

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [0459712311](#)  
**Status:** **Active**  
**Description:** 1.27mm (.050") by 1.27mm (.050") Pitch SEARAY\* Receptacle, 200 Circuits, 6.50mm (.255") Unmated Height, 10 Rows, With Pegs, Solder Charge™ Lead Free

**Documents:**  
[3D Model](#)  
[Drawing \(PDF\)](#)  
[Product Specification PS-45970-001 \(PDF\)](#)  
[Product Specification PS-45970-002 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

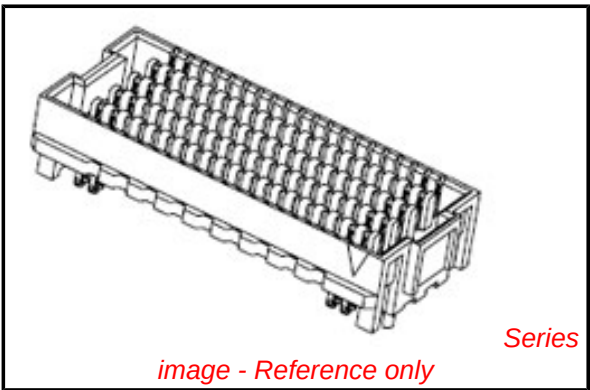
CSA LR19980  
UL E29179

**General**

Product Family PCB Receptacles  
Series [45971](#)  
Application Board-to-Board  
MolexKits Yes  
Product Name SEARAY\*

**Physical**

Circuits (Loaded) 200  
Circuits (maximum) 200  
Circuits Detail 200  
Color - Resin Black  
Durability (mating cycles max) 100  
Flammability 94V-0  
Glow-Wire Compliant No  
Guide to Mating Part No  
Keying to Mating Part None  
Lock to Mating Part No  
Material - Metal Copper Alloy  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin High Temperature Thermoplastic  
Number of Rows 10  
Orientation Vertical  
PC Tail Length (in) 0.086 In  
PC Tail Length (mm) 2.18 mm  
PCB Locator Yes  
PCB Retention Yes  
PCB Thickness Recommended (in) 0.062 In  
PCB Thickness Recommended (mm) 1.57 mm  
Packaging Type Tray  
Pitch - Mating Interface (in) 0.050 In  
Pitch - Mating Interface (mm) 1.27 mm  
Pitch - Term. Interface (in) 0.050 In  
Pitch - Term. Interface (mm) 1.27 mm  
Plating min: Mating (µin) 30  
Plating min: Mating (µm) 0.75  
Plating min: Termination (µin) 100  
Plating min: Termination (µm) 2.5  
Polarized to Mating Part Yes  
Polarized to PCB Yes  
Robotic Placement Pick and Place Cap



**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC**

Not Reviewed

**Halogen-Free**

**Status**

**Not Reviewed**

**China RoHS**



**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of  
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any  
non-product compliance questions.

**Search Parts in this Series**

[45971Series](#)

**Mates With**

[45970 SEARAY\\* Plug](#)

|                                |                 |
|--------------------------------|-----------------|
| Stackable                      | No              |
| Surface Mount Compatible (SMC) | Yes             |
| Temperature Range - Operating  | -55°C to +125°C |
| Termination Interface: Style   | Surface Mount   |

**Electrical**

|                               |         |
|-------------------------------|---------|
| Current - Maximum per Contact | 2.7A    |
| Grounding to PCB              | No      |
| Voltage - Maximum             | 240V AC |

**Solder Process Data**

|                                                |                           |
|------------------------------------------------|---------------------------|
| Duration at Max. Process Temperature (seconds) | 3                         |
| Lead-free Process Capability                   | Reflow Capable (SMT only) |
| Max. Cycles at Max. Process Temperature        | 1                         |
| Process Temperature max. C                     | 260                       |

**Material Info**

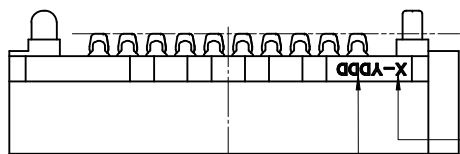
**Reference - Drawing Numbers**

|                           |                                          |
|---------------------------|------------------------------------------|
| Application Specification | AS-45970-001, AS-45970-002, AS-45970-990 |
| Packaging Specification   | PK-45971-001                             |
| Product Specification     | PS-45970-001, PS-45970-002               |
| Sales Drawing             | SD-45971-001                             |
| Test Summary              | TS-45970-001                             |

\*SEARAY is a trademark of Samtec, Inc.

This document was generated on 06/08/2010

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**



DATE CODE



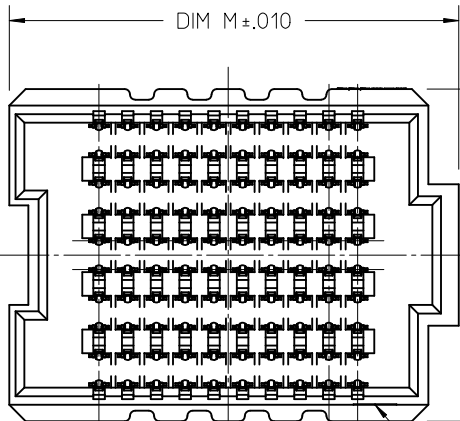
ACROSS ALL  
SOLDER CHARGES

LEAD CODE:

1 = TIN

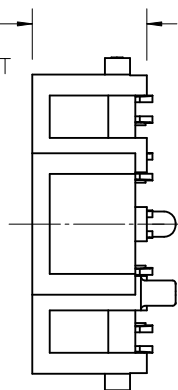
2 = TIN / LEAD

DIM M  $\pm .010$



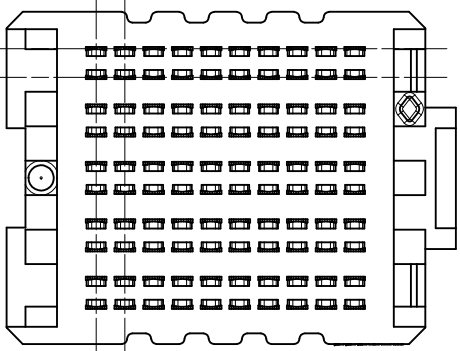
DIM C  $\pm .010$

DIM R  $^{+.002}_{-.004}$   
UNMATED HEIGHT

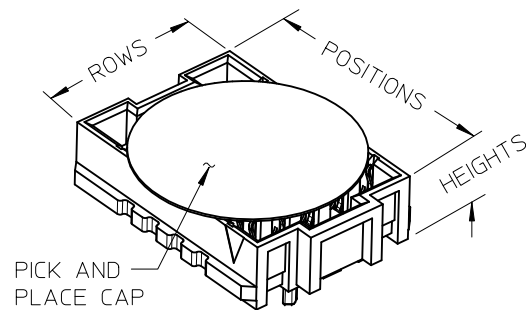


ROW 1 / POSITION 1 ID THIS SIDE

.050 TYP  
TERMINAL PITCH



.050 TYP  
TERMINAL PITCH



PICK AND  
PLACE CAP

#### NOTES:

- MATERIALS: HOUSING: LCP, UL94V-0, BLACK  
CONTACTS: COPPER ALLOY  
SOLDER CHARGE: SEE CHART
- FINISH: ALL OPTIONS - SELECT GOLD IN CONTACT AREA: 30 MI MIN  
OPTIONS 5.0: SELECT GOLD FLASH IN TAIL, 7 MI MIN  
OPTIONS 6.0 THRU 8.0: SELECT TIN IN TAIL, 100 MI MIN  
ALL OPTIONS - OVER NICKEL
- PRODUCT SPECIFICATION: PS-45970-001
- PACKAGING SPECIFICATION: SEE CHART
- MATES WITH SEARAY PLUG ASSEMBLY 45970
- APPLICATION SPECIFICATION: AS-45970-001
- COSMETIC SPECIFICATION: PS-45499-002 CLASS B
- PART STATUS: CONTACT MOLEX

|                |                     |            |
|----------------|---------------------|------------|
| UPDATED NOTE 2 | EC NO: UCP2010-2270 | 2010/03/05 |
|                | DRWN: TREGORI       | 2010/03/05 |
|                | CHKD: JCOMERC       | 2010/03/05 |
|                | APPR: JCOMERC       | 2010/03/05 |
| DESCRIPTION    |                     |            |
| REV            |                     |            |

| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |            |             |
|------------------------------------------------------------|------------|-------------|
|                                                            | mm         | INCH        |
| 4 PLACES                                                   | $\pm .005$ | $\pm .0005$ |
| 3 PLACES                                                   | $\pm .005$ | $\pm .0005$ |
| 2 PLACES                                                   | $\pm .005$ | $\pm .0005$ |
| 1 PLACE                                                    | $\pm .005$ | $\pm .0005$ |
| ANGULAR $\pm .005^\circ$                                   |            |             |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |            |             |

| DIMENSION STYLE<br>INCH ONLY |            |
|------------------------------|------------|
| DRAWN BY                     | DATE       |
| TGREGORI                     | 2010/03/05 |
| CHECKED BY                   | DATE       |
| JCOMERC                      | 2010/03/05 |
| APPROVED BY                  | DATE       |
| JCOMERC                      | 2010/03/05 |
| MATERIAL NO.                 |            |
| SEE CHART                    |            |
| SIZE                         |            |
| A                            |            |

|                                                                                                                                  |                      |                                                                                                                 |                      |
|----------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------|----------------------|
| SCALE<br>3:1                                                                                                                     | DESIGN UNITS<br>INCH |  THIRD ANGLE<br>PROJECTION |                      |
| TITLE                                                                                                                            |                      |                                                                                                                 |                      |
| SEARAY<br>RECEPTACLE ASSEMBLY<br>.050 CENTERS                                                                                    |                      |                                                                                                                 |                      |
|  MOLEX INCORPORATED                         |                      |                                                                                                                 |                      |
| DOCUMENT NO.<br>SD-45971-001                                                                                                     |                      |                                                                                                                 | SHEET NO.<br>1 OF 10 |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                      |                                                                                                                 |                      |

6

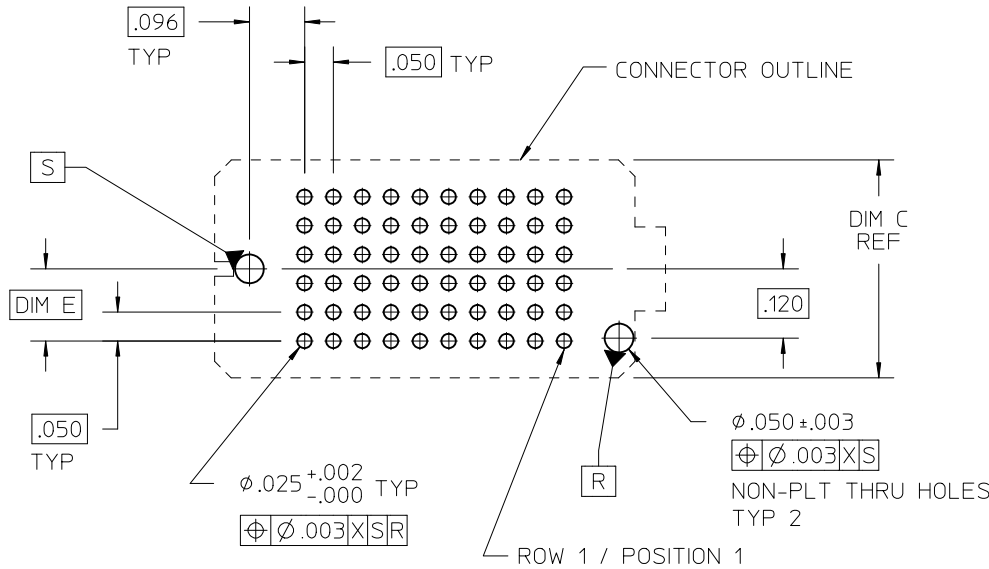
5

4

3

2

1

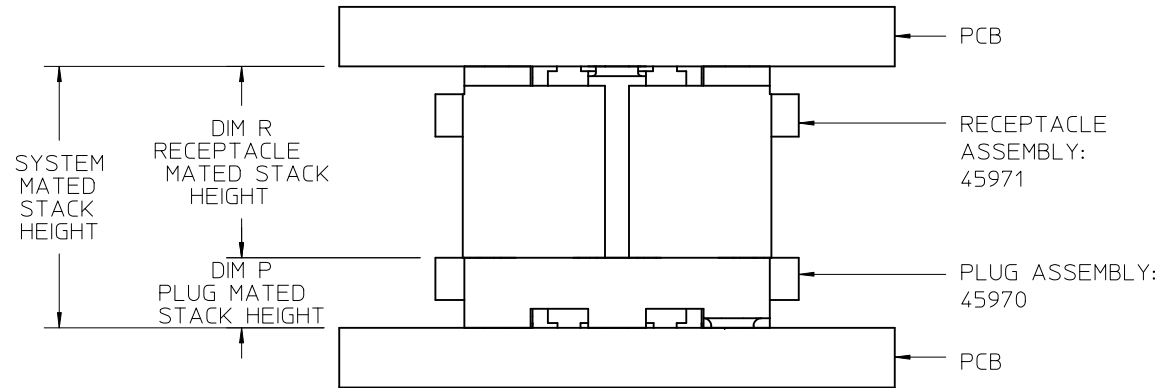


F  
.005  
MIN SOLDER  
PASTE THICKNESS

| NO OF<br>ROWS | DIM C | DIM E |
|---------------|-------|-------|
| 6             | .378  | .125  |
| 8             | .478  | .175  |
| 10            | .578  | .225  |
| 12            | .678  | .275  |

RECOMMENDED PCB LAYOUT: COMPONENT SIDE  
SOLDER SCREEN APERTURE SIZE: .035  
PCB THICKNESS: NA  
F

| DIM P<br>PLUG STACK HEIGHT | DIM R<br>RECEPTACLE STACK HEIGHT |      |      |      |      |      |
|----------------------------|----------------------------------|------|------|------|------|------|
|                            | MM                               | 5.0  | 6.0  | 6.5  | 7.5  | 8.0  |
|                            | 2.0                              | 7.0  | 8.0  | 8.5  | 9.5  | 10.0 |
|                            | 3.0                              | 8.0  | 9.0  | 9.5  | 10.5 | 11.0 |
|                            | 3.5                              | 8.5  | 9.5  | 10.0 | 11.0 | 11.5 |
|                            | 2.5                              | 7.5  | 8.5  | 9.0  | 10.0 | 10.5 |
|                            | 4.5                              | 9.5  | 10.5 | 11.0 | 12.0 | 12.5 |
|                            | 5.0                              | 10.0 | 11.0 | 11.5 | 12.5 | 13.0 |
| 7.0                        | 12.0                             | 13.0 | 13.5 | 14.5 | 15.0 |      |



STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY

MATED STACK HEIGHTS  
(MILLIMETERS) REF

|                                                                                                                            |             |                                          |                                                                                                                                  |        |                              |                    |                                                        |                      |                           |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------|------------------------------|--------------------|--------------------------------------------------------|----------------------|---------------------------|--|--|--|--|
| SEE SHEET 1<br>EC NO: UCP2010-2270<br>DRWN: TREGORI 2010/03/05<br>CHKD: JCOMERC I 2005/05/17<br>APPR: JCOMERC I 2010/03/05 | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |                                                                                                                                  |        | DIMENSION STYLE<br>INCH ONLY |                    | SCALE<br>3:1                                           | DESIGN UNITS<br>INCH | THIRD ANGLE<br>PROJECTION |  |  |  |  |
|                                                                                                                            |             |                                          | mm                                                                                                                               | INCH   | DRAWN BY<br>TREGORI          | DATE<br>2005/05/17 | TITLE<br>SEARAY<br>RECEPTACLE ASSEMBLY<br>.050 CENTERS |                      |                           |  |  |  |  |
|                                                                                                                            |             | 4 PLACES                                 | ± ---                                                                                                                            | ± ---  | CHECKED BY<br>JCOMERC I      | DATE<br>2005/05/17 |                                                        |                      |                           |  |  |  |  |
|                                                                                                                            |             | 3 PLACES                                 | ± ---                                                                                                                            | ± .005 | APPROVED BY<br>JCOMERC I     |                    | DATE<br>2010/03/05                                     |                      | MOLEX INCORPORATED        |  |  |  |  |
|                                                                                                                            |             | 2 PLACES                                 | ± ---                                                                                                                            | ± ---  |                              |                    |                                                        |                      |                           |  |  |  |  |
|                                                                                                                            |             | 1 PLACE                                  | ± ---                                                                                                                            | ± ---  |                              |                    |                                                        |                      |                           |  |  |  |  |
|                                                                                                                            |             | ANGULAR ± ---°                           |                                                                                                                                  |        | MATERIAL NO.                 |                    | DOCUMENT NO.                                           |                      | SHEET NO.                 |  |  |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                 |             |                                          | SEE CHARTS                                                                                                                       |        | SD-45971-001                 |                    | 2 OF 10                                                |                      |                           |  |  |  |  |
| REV                                                                                                                        |             | SIZE<br>A                                | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |        |                              |                    |                                                        |                      |                           |  |  |  |  |

5

4

3

2

1

|   |                        |                       |       |             |  |             |  |             |  |             |  |             |  |                                            |  |
|---|------------------------|-----------------------|-------|-------------|--|-------------|--|-------------|--|-------------|--|-------------|--|--------------------------------------------|--|
|   |                        | 6                     |       | 5           |  | 4           |  | 3           |  | 2           |  | 1           |  |                                            |  |
| D | TRAY PACK PK-45971-001 | DIM R: (REF)          |       | 5.0 MM      |  | 6.0 MM      |  | 6.5 MM      |  | 7.5 MM      |  | 8.0 MM      |  | STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY |  |
|   |                        | DIM R: HOUSING HEIGHT |       |             |  |             |  |             |  |             |  |             |  |                                            |  |
|   |                        | POSITION              | DIM M | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  |                                            |  |
|   |                        | 19                    | 1.232 | 45971-0161  |  | 45971-0261  |  | 45971-0361  |  | 45971-0461  |  | 45971-0561  |  |                                            |  |
|   |                        | 10                    | 0.782 | 45971-1161  |  | 45971-1261  |  | 45971-1361  |  | 45971-1461  |  | 45971-1561  |  |                                            |  |
|   |                        | 20                    | 1.282 | 45971-2161  |  | 45971-2261  |  | 45971-2361  |  | 45971-2461  |  | 45971-2561  |  |                                            |  |
|   |                        | 30                    | 1.782 | 45971-3161  |  | 45971-3261  |  | 45971-3361  |  | 45971-3461  |  | 45971-3561  |  |                                            |  |
|   |                        | 40                    | 2.282 | 45971-4161  |  | 45971-4261  |  | 45971-4361  |  | 45971-4461  |  | 45971-4561  |  |                                            |  |
|   |                        | 50                    | 2.782 | 45971-5161  |  | 45971-5261  |  | 45971-5361  |  | 45971-5461  |  | 45971-5561  |  |                                            |  |
|   |                        | 15                    | 1.032 | 45971-6161  |  | 45971-6261  |  | 45971-6361  |  | 45971-6461  |  | 45971-6561  |  |                                            |  |
| C | TRAY PACK PK-45971-002 | DIM R: (REF)          |       | 5.0 MM      |  | 6.0 MM      |  | 6.5 MM      |  | 7.5 MM      |  | 8.0 MM      |  | STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY |  |
|   |                        | DIM R: HOUSING HEIGHT |       |             |  |             |  |             |  |             |  |             |  |                                            |  |
|   |                        | POSITION              | DIM M | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  |                                            |  |
|   |                        | 19                    | 1.232 | 45971-0165  |  | 45971-0265  |  | 45971-0365  |  | 45971-0465  |  | 45971-0565  |  |                                            |  |
|   |                        | 10                    | 0.782 | 45971-1165  |  | 45971-1265  |  | 45971-1365  |  | 45971-1465  |  | 45971-1565  |  |                                            |  |
|   |                        | 20                    | 1.282 | 45971-2165  |  | 45971-2265  |  | 45971-2365  |  | 45971-2465  |  | 45971-2565  |  |                                            |  |
|   |                        | 30                    | 1.782 | 45971-3165  |  | 45971-3265  |  | 45971-3365  |  | 45971-3465  |  | 45971-3565  |  |                                            |  |
|   |                        | 40                    | 2.282 | 45971-4165  |  | 45971-4265  |  | 45971-4365  |  | 45971-4465  |  | 45971-4565  |  |                                            |  |
|   |                        | 50                    | 2.782 | 45971-5165  |  | 45971-5265  |  | 45971-5365  |  | 45971-5465  |  | 45971-5565  |  |                                            |  |
|   |                        | 15                    | 1.032 | 45971-6165  |  | 45971-6265  |  | 45971-6365  |  | 45971-6465  |  | 45971-6565  |  |                                            |  |
| B | TRAY PACK PK-45971-002 | DIM R: (REF)          |       | 5.0 MM      |  | 6.0 MM      |  | 6.5 MM      |  | 7.5 MM      |  | 8.0 MM      |  | STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY |  |
|   |                        | DIM R: HOUSING HEIGHT |       |             |  |             |  |             |  |             |  |             |  |                                            |  |
|   |                        | POSITION              | DIM M | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  |                                            |  |
|   |                        | 19                    | 1.232 | 45971-0165  |  | 45971-0265  |  | 45971-0365  |  | 45971-0465  |  | 45971-0565  |  |                                            |  |
|   |                        | 10                    | 0.782 | 45971-1165  |  | 45971-1265  |  | 45971-1365  |  | 45971-1465  |  | 45971-1565  |  |                                            |  |
|   |                        | 20                    | 1.282 | 45971-2165  |  | 45971-2265  |  | 45971-2365  |  | 45971-2465  |  | 45971-2565  |  |                                            |  |
|   |                        | 30                    | 1.782 | 45971-3165  |  | 45971-3265  |  | 45971-3365  |  | 45971-3465  |  | 45971-3565  |  |                                            |  |
|   |                        | 40                    | 2.282 | 45971-4165  |  | 45971-4265  |  | 45971-4365  |  | 45971-4465  |  | 45971-4565  |  |                                            |  |
|   |                        | 50                    | 2.782 | 45971-5165  |  | 45971-5265  |  | 45971-5365  |  | 45971-5465  |  | 45971-5565  |  |                                            |  |
|   |                        | 15                    | 1.032 | 45971-6165  |  | 45971-6265  |  | 45971-6365  |  | 45971-6465  |  | 45971-6565  |  |                                            |  |
| A | TRAY PACK PK-45971-002 | DIM R: (REF)          |       | 5.0 MM      |  | 6.0 MM      |  | 6.5 MM      |  | 7.5 MM      |  | 8.0 MM      |  | STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY |  |
|   |                        | DIM R: HOUSING HEIGHT |       |             |  |             |  |             |  |             |  |             |  |                                            |  |
|   |                        | POSITION              | DIM M | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  |                                            |  |
|   |                        | 19                    | 1.232 | 45971-0165  |  | 45971-0265  |  | 45971-0365  |  | 45971-0465  |  | 45971-0565  |  |                                            |  |
|   |                        | 10                    | 0.782 | 45971-1165  |  | 45971-1265  |  | 45971-1365  |  | 45971-1465  |  | 45971-1565  |  |                                            |  |
|   |                        | 20                    | 1.282 | 45971-2165  |  | 45971-2265  |  | 45971-2365  |  | 45971-2465  |  | 45971-2565  |  |                                            |  |
|   |                        | 30                    | 1.782 | 45971-3165  |  | 45971-3265  |  | 45971-3365  |  | 45971-3465  |  | 45971-3565  |  |                                            |  |
|   |                        | 40                    | 2.282 | 45971-4165  |  | 45971-4265  |  | 45971-4365  |  | 45971-4465  |  | 45971-4565  |  |                                            |  |
|   |                        | 50                    | 2.782 | 45971-5165  |  | 45971-5265  |  | 45971-5365  |  | 45971-5465  |  | 45971-5565  |  |                                            |  |
|   |                        | 15                    | 1.032 | 45971-6165  |  | 45971-6265  |  | 45971-6365  |  | 45971-6465  |  | 45971-6565  |  |                                            |  |
|   |                        | DIM R: (REF)          |       | 5.0 MM      |  | 6.0 MM      |  | 6.5 MM      |  | 7.5 MM      |  | 8.0 MM      |  | STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY |  |
|   |                        | DIM R: HOUSING HEIGHT |       |             |  |             |  |             |  |             |  |             |  |                                            |  |
|   |                        |                       |       | .199        |  | .238        |  | .258        |  | .297        |  | .297        |  |                                            |  |
|   |                        | POSITION              | DIM M | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  |                                            |  |
|   |                        | 19                    | 1.232 | 45971-0165  |  | 45971-0265  |  | 45971-0365  |  | 45971-0465  |  | 45971-0565  |  |                                            |  |
|   |                        | 10                    | 0.782 | 45971-1165  |  | 45971-1265  |  | 45971-1365  |  | 45971-1465  |  | 45971-1565  |  |                                            |  |
|   |                        | 20                    | 1.282 | 45971-2165  |  | 45971-2265  |  | 45971-2365  |  | 45971-2465  |  | 45971-2565  |  |                                            |  |
|   |                        | 30                    | 1.782 | 45971-3165  |  | 45971-3265  |  | 45971-3365  |  | 45971-3465  |  | 45971-3565  |  |                                            |  |
|   |                        | 40                    | 2.282 | 45971-4165  |  | 45971-4265  |  | 45971-4365  |  | 45971-4465  |  | 45971-4565  |  |                                            |  |
|   |                        | 50                    | 2.782 | 45971-5165  |  | 45971-5265  |  | 45971-5365  |  | 45971-5465  |  | 45971-5565  |  |                                            |  |
|   |                        | 15                    | 1.032 | 45971-6165  |  | 45971-6265  |  | 45971-6365  |  | 45971-6465  |  | 45971-6565  |  |                                            |  |
|   |                        | 25                    | 1.532 | 45971-7165  |  | 45971-7265  |  | 45971-7365  |  | 45971-7465  |  | 45971-7565  |  |                                            |  |
|   |                        | 35                    | 2.032 | 45971-8165  |  | 45971-8265  |  | 45971-8365  |  | 45971-8465  |  | 45971-8561  |  |                                            |  |
|   |                        | 45                    | 2.532 | 45971-9161  |  | 45971-9261  |  | 45971-9361  |  | 45971-9461  |  | 45971-9561  |  |                                            |  |
|   |                        | DIM R: (REF)          |       | 5.0 MM      |  | 6.0 MM      |  | 6.5 MM      |  | 7.5 MM      |  | 8.0 MM      |  | STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY |  |
|   |                        | DIM R: HOUSING HEIGHT |       |             |  |             |  |             |  |             |  |             |  |                                            |  |
|   |                        |                       |       | .199        |  | .238        |  | .258        |  | .297        |  | .297        |  |                                            |  |
|   |                        | POSITION              | DIM M | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  |                                            |  |
|   |                        | 19                    | 1.232 | 45971-0165  |  | 45971-0265  |  | 45971-0365  |  | 45971-0465  |  | 45971-0565  |  |                                            |  |
|   |                        | 10                    | 0.782 | 45971-1165  |  | 45971-1265  |  | 45971-1365  |  | 45971-1465  |  | 45971-1565  |  |                                            |  |
|   |                        | 20                    | 1.282 | 45971-2165  |  | 45971-2265  |  | 45971-2365  |  | 45971-2465  |  | 45971-2565  |  |                                            |  |
|   |                        | 30                    | 1.782 | 45971-3165  |  | 45971-3265  |  | 45971-3365  |  | 45971-3465  |  | 45971-3565  |  |                                            |  |
|   |                        | 40                    | 2.282 | 45971-4165  |  | 45971-4265  |  | 45971-4365  |  | 45971-4465  |  | 45971-4565  |  |                                            |  |
|   |                        | 50                    | 2.782 | 45971-5165  |  | 45971-5265  |  | 45971-5365  |  | 45971-5465  |  | 45971-5565  |  |                                            |  |
|   |                        | 15                    | 1.032 | 45971-6165  |  | 45971-6265  |  | 45971-6365  |  | 45971-6465  |  | 45971-6565  |  |                                            |  |
|   |                        | 25                    | 1.532 | 45971-7165  |  | 45971-7265  |  | 45971-7365  |  | 45971-7465  |  | 45971-7565  |  |                                            |  |
|   |                        | 35                    | 2.032 | 45971-8165  |  | 45971-8265  |  | 45971-8365  |  | 45971-8465  |  | 45971-8565  |  |                                            |  |
|   |                        | 45                    | 2.532 | 45971-9165  |  | 45971-9265  |  | 45971-9365  |  | 45971-9465  |  | 45971-9565  |  |                                            |  |
|   |                        | DIM R: (REF)          |       | 5.0 MM      |  | 6.0 MM      |  | 6.5 MM      |  | 7.5 MM      |  | 8.0 MM      |  | STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY |  |
|   |                        | DIM R: HOUSING HEIGHT |       |             |  |             |  |             |  |             |  |             |  |                                            |  |
|   |                        |                       |       | .199        |  | .238        |  | .258        |  | .297        |  | .297        |  |                                            |  |
|   |                        | POSITION              | DIM M | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  |                                            |  |
|   |                        | 19                    | 1.232 | 45971-0165  |  | 45971-0265  |  | 45971-0365  |  | 45971-0465  |  | 45971-0565  |  |                                            |  |
|   |                        | 10                    | 0.782 | 45971-1165  |  | 45971-1265  |  | 45971-1365  |  | 45971-1465  |  | 45971-1565  |  |                                            |  |
|   |                        | 20                    | 1.282 | 45971-2165  |  | 45971-2265  |  | 45971-2365  |  | 45971-2465  |  | 45971-2565  |  |                                            |  |
|   |                        | 30                    | 1.782 | 45971-3165  |  | 45971-3265  |  | 45971-3365  |  | 45971-3465  |  | 45971-3565  |  |                                            |  |
|   |                        | 40                    | 2.282 | 45971-4165  |  | 45971-4265  |  | 45971-4365  |  | 45971-4465  |  | 45971-4565  |  |                                            |  |
|   |                        | 50                    | 2.782 | 45971-5165  |  | 45971-5265  |  | 45971-5365  |  | 45971-5465  |  | 45971-5565  |  |                                            |  |
|   |                        | 15                    | 1.032 | 45971-6165  |  | 45971-6265  |  | 45971-6365  |  | 45971-6465  |  | 45971-6565  |  |                                            |  |
|   |                        | 25                    | 1.532 | 45971-7165  |  | 45971-7265  |  | 45971-7365  |  | 45971-7465  |  | 45971-7565  |  |                                            |  |
|   |                        | 35                    | 2.032 | 45971-8165  |  | 45971-8265  |  | 45971-8365  |  | 45971-8465  |  | 45971-8565  |  |                                            |  |
|   |                        | 45                    | 2.532 | 45971-9165  |  | 45971-9265  |  | 45971-9365  |  | 45971-9465  |  | 45971-9565  |  |                                            |  |
|   |                        | DIM R: (REF)          |       | 5.0 MM      |  | 6.0 MM      |  | 6.5 MM      |  | 7.5 MM      |  | 8.0 MM      |  | STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY |  |
|   |                        | DIM R: HOUSING HEIGHT |       |             |  |             |  |             |  |             |  |             |  |                                            |  |
|   |                        |                       |       | .199        |  | .238        |  | .258        |  | .297        |  | .297        |  |                                            |  |
|   |                        | POSITION              | DIM M | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  |                                            |  |
|   |                        | 19                    | 1.232 | 45971-0165  |  | 45971-0265  |  | 45971-0365  |  | 45971-0465  |  | 45971-0565  |  |                                            |  |
|   |                        | 10                    | 0.782 | 45971-1165  |  | 45971-1265  |  | 45971-1365  |  | 45971-1465  |  | 45971-1565  |  |                                            |  |
|   |                        | 20                    | 1.282 | 45971-2165  |  | 45971-2265  |  | 45971-2365  |  | 45971-2465  |  | 45971-2565  |  |                                            |  |
|   |                        | 30                    | 1.782 | 45971-3165  |  | 45971-3265  |  | 45971-3365  |  | 45971-3465  |  | 45971-3565  |  |                                            |  |
|   |                        | 40                    | 2.282 | 45971-4165  |  | 45971-4265  |  | 45971-4365  |  | 45971-4465  |  | 45971-4565  |  |                                            |  |
|   |                        | 50                    | 2.782 | 45971-5165  |  | 45971-5265  |  | 45971-5365  |  | 45971-5465  |  | 45971-5565  |  |                                            |  |
|   |                        | 15                    | 1.032 | 45971-6165  |  | 45971-6265  |  | 45971-6365  |  | 45971-6465  |  | 45971-6565  |  |                                            |  |
|   |                        | 25                    | 1.532 | 45971-7165  |  | 45971-7265  |  | 45971-7365  |  | 45971-7465  |  | 45971-7565  |  |                                            |  |
|   |                        | 35                    | 2.032 | 45971-8165  |  | 45971-8265  |  | 45971-8365  |  | 45971-8465  |  | 45971-8565  |  |                                            |  |
|   |                        | 45                    | 2.532 | 45971-9165  |  | 45971-9265  |  | 45971-9365  |  | 45971-9465  |  | 45971-9565  |  |                                            |  |
|   |                        | DIM R: (REF)          |       | 5.0 MM      |  | 6.0 MM      |  | 6.5 MM      |  | 7.5 MM      |  | 8.0 MM      |  | STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY |  |
|   |                        | DIM R: HOUSING HEIGHT |       |             |  |             |  |             |  |             |  |             |  |                                            |  |
|   |                        |                       |       | .199        |  | .238        |  | .258        |  | .297        |  | .297        |  |                                            |  |
|   |                        | POSITION              | DIM M | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  |                                            |  |
|   |                        | 19                    | 1.232 | 45971-0165  |  | 45971-0265  |  | 45971-0365  |  | 45971-0465  |  | 45971-0565  |  |                                            |  |
|   |                        | 10                    | 0.782 | 45971-1165  |  | 45971-1265  |  | 45971-1365  |  | 45971-1465  |  | 45971-1565  |  |                                            |  |
|   |                        | 20                    | 1.282 | 45971-2165  |  | 45971-2265  |  | 45971-2365  |  | 45971-2465  |  | 45971-2565  |  |                                            |  |
|   |                        | 30                    | 1.782 | 45971-3165  |  | 45971-3265  |  | 45971-3365  |  | 45971-3465  |  | 45971-3565  |  |                                            |  |
|   |                        | 40                    | 2.282 | 45971-4165  |  | 45971-4265  |  | 45971-4365  |  | 45971-4465  |  | 45971-4565  |  |                                            |  |
|   |                        | 50                    | 2.782 | 45971-5165  |  | 45971-5265  |  | 45971-5365  |  | 45971-5465  |  | 45971-5565  |  |                                            |  |
|   |                        | 15                    | 1.032 | 45971-6165  |  | 45971-6265  |  | 45971-6365  |  | 45971-6465  |  | 45971-6565  |  |                                            |  |
|   |                        | 25                    | 1.532 | 45971-7165  |  | 45971-7265  |  | 45971-7365  |  | 45971-7465  |  | 45971-7565  |  |                                            |  |
|   |                        | 35                    | 2.032 | 45971-8165  |  | 45971-8265  |  | 45971-8365  |  | 45971-8465  |  | 45971-8565  |  |                                            |  |
|   |                        | 45                    | 2.532 | 45971-9165  |  | 45971-9265  |  | 45971-9365  |  | 45971-9465  |  | 45971-9565  |  |                                            |  |
|   |                        | DIM R: (REF)          |       | 5.0 MM      |  | 6.0 MM      |  | 6.5 MM      |  | 7.5 MM      |  | 8.0 MM      |  | STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY |  |
|   |                        | DIM R: HOUSING HEIGHT |       |             |  |             |  |             |  |             |  |             |  |                                            |  |
|   |                        |                       |       | .199        |  | .238        |  | .258        |  | .297        |  | .297        |  |                                            |  |
|   |                        | POSITION              | DIM M | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  |                                            |  |
|   |                        | 19                    | 1.232 | 45971-0165  |  | 45971-0265  |  | 45971-0365  |  | 45971-0465  |  | 45971-0565  |  |                                            |  |
|   |                        | 10                    | 0.782 | 45971-1165  |  | 45971-1265  |  | 45971-1365  |  | 45971-1465  |  | 45971-1565  |  |                                            |  |
|   |                        | 20                    | 1.282 | 45971-2165  |  | 45971-2265  |  | 45971-2365  |  | 45971-2465  |  | 45971-2565  |  |                                            |  |
|   |                        | 30                    |       |             |  |             |  |             |  |             |  |             |  |                                            |  |

[illegible]

|                             |                                                                                                                             |                             |                        |              |             |                                          |                                                            |                    |                                                        |                                        |  |              |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------------|--------------|-------------|------------------------------------------|------------------------------------------------------------|--------------------|--------------------------------------------------------|----------------------------------------|--|--------------|----------------------|--------------------------------------------|--|---|--|-------------------------|--------------------|--------------|--------------|---|--------------|---------|--|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--|--|
|                             |                                                                                                                             | 6                           |                        |              |             | 5                                        |                                                            |                    |                                                        | 4                                      |  |              |                      | 3                                          |  |   |  | 2                       |                    |              |              | 1 |              |         |  |                                            |                                                                                                                                  |  |  |
| D                           | TRAY PACK PK-45971-001                                                                                                      | DIM R: (REF)                |                        | 5.0 MM       |             | 6.0 MM                                   |                                                            | 6.5 MM             |                                                        | 7.5 MM                                 |  | 8.0 MM       |                      | STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
|                             |                                                                                                                             | DIM R:<br>HOUSING<br>HEIGHT |                        |              |             |                                          |                                                            |                    |                                                        |                                        |  |              |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
|                             |                                                                                                                             | POSITION                    | DIM M                  | MATERIAL NO  |             | MATERIAL NO                              |                                                            | MATERIAL NO        |                                                        | MATERIAL NO                            |  | MATERIAL NO  |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
|                             |                                                                                                                             | 19                          | 1.232                  | 45971-0181   |             | 45971-0281                               |                                                            | 45971-0381         |                                                        | 45971-0481                             |  | 45971-0581   |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
|                             |                                                                                                                             | 10                          | 0.782                  | 45971-1181   |             | 45971-1281                               |                                                            | 45971-1381         |                                                        | 45971-1481                             |  | 45971-1581   |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
|                             |                                                                                                                             | 20                          | 1.282                  | 45971-2181   |             | 45971-2281                               |                                                            | 45971-2381         |                                                        | 45971-2481                             |  | 45971-2581   |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
|                             |                                                                                                                             | 30                          | 1.782                  | 45971-3181   |             | 45971-3281                               |                                                            | 45971-3381         |                                                        | 45971-3481                             |  | 45971-3581   |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
|                             |                                                                                                                             | 40                          | 2.282                  | 45971-4181   |             | 45971-4281                               |                                                            | 45971-4381         |                                                        | 45971-4481                             |  | 45971-4581   |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
|                             |                                                                                                                             | 50                          | 2.782                  | 45971-5181   |             | 45971-5281                               |                                                            | 45971-5381         |                                                        | 45971-5481                             |  | 45971-5581   |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
|                             |                                                                                                                             | 15                          | 1.032                  | 45971-6181   |             | 45971-6281                               |                                                            | 45971-6381         |                                                        | 45971-6481                             |  | 45971-6581   |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
|                             |                                                                                                                             | 25                          | 1.532                  | 45971-7181   |             | 45971-7281                               |                                                            | 45971-7381         |                                                        | 45971-7481                             |  | 45971-7581   |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
|                             |                                                                                                                             | 35                          | 2.032                  | 45971-8181   |             | 45971-8281                               |                                                            | 45971-8381         |                                                        | 45971-8481                             |  | 45971-8581   |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
|                             |                                                                                                                             | 45                          | 2.532                  | 45971-9181   |             | 45971-9281                               |                                                            | 45971-9381         |                                                        | 45971-9481                             |  | 45971-9581   |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
|                             |                                                                                                                             | C                           | TRAY PACK PK-45971-002 | DIM R: (REF) |             | 5.0 MM                                   |                                                            | 6.0 MM             |                                                        | 6.5 MM                                 |  | 7.5 MM       |                      |                                            |  |   |  |                         |                    |              |              |   |              | 8.0 MM  |  | STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY |                                                                                                                                  |  |  |
| DIM R:<br>HOUSING<br>HEIGHT |                                                                                                                             |                             |                        |              |             |                                          |                                                            |                    |                                                        |                                        |  |              |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
| POSITION                    | DIM M                                                                                                                       |                             |                        | MATERIAL NO  |             | MATERIAL NO                              |                                                            | MATERIAL NO        |                                                        | MATERIAL NO                            |  | MATERIAL NO  |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
| 19                          | 1.232                                                                                                                       |                             |                        | 45971-0185   |             | 45971-0285                               |                                                            | 45971-0385         |                                                        | 45971-0485                             |  | 45971-0585   |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
| 10                          | 0.782                                                                                                                       |                             |                        | 45971-1185   |             | 45971-1285                               |                                                            | 45971-1385         |                                                        | 45971-1485                             |  | 45971-1585   |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
| 20                          | 1.282                                                                                                                       |                             |                        | 45971-2185   |             | 45971-2285                               |                                                            | 45971-2385         |                                                        | 45971-2485                             |  | 45971-2585   |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
| 30                          | 1.782                                                                                                                       |                             |                        | 45971-3185   |             | 45971-3285                               |                                                            | 45971-3385         |                                                        | 45971-3485                             |  | 45971-3585   |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
| 40                          | 2.282                                                                                                                       |                             |                        | 45971-4185   |             | 45971-4285                               |                                                            | 45971-4385         |                                                        | 45971-4485                             |  | 45971-4585   |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
| 50                          | 2.782                                                                                                                       |                             |                        | 45971-5185   |             | 45971-5285                               |                                                            | 45971-5385         |                                                        | 45971-5485                             |  | 45971-5585   |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
| 15                          | 1.032                                                                                                                       |                             |                        | 45971-6185   |             | 45971-6285                               |                                                            | 45971-6385         |                                                        | 45971-6485                             |  | 45971-6585   |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
| 25                          | 1.532                                                                                                                       |                             |                        | 45971-7185   |             | 45971-7285                               |                                                            | 45971-7385         |                                                        | 45971-7485                             |  | 45971-7585   |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
| 35                          | 2.032                                                                                                                       |                             |                        | 45971-8185   |             | 45971-8285                               |                                                            | 45971-8385         |                                                        | 45971-8485                             |  | 45971-8585   |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
| 45                          | 2.532                                                                                                                       |                             |                        | 45971-9185   |             | 45971-9285                               |                                                            | 45971-9385         |                                                        | 45971-9485                             |  | 45971-9585   |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
| B                           | SEE SHEET 1<br>EC NO: UCP2010-2270<br>DRWN: TGREGORI 2010/03/05<br>CHKD: JCOMERC I 2005/05/17<br>APPR: JCOMERC I 2010/03/05 |                             |                        | REV          | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |                                                            |                    |                                                        | DIMENSION STYLE<br>INCH ONLY           |  | SCALE<br>1:1 | DESIGN UNITS<br>INCH | THIRD ANGLE<br>PROJECTION                  |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
|                             |                                                                                                                             | 4 PLACES                    | ± ---                  |              |             | ± ---                                    | DRAWN BY<br>TGREGORI                                       | DATE<br>2005/05/17 | TITLE<br>SEARAY<br>RECEPTACLE ASSEMBLY<br>.050 CENTERS |                                        |  |              |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
|                             |                                                                                                                             |                             |                        |              |             |                                          |                                                            |                    |                                                        |                                        |  |              |                      |                                            |  |   |  | CHECKED BY<br>JCOMERC I | DATE<br>2005/05/17 |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
|                             |                                                                                                                             |                             |                        |              |             |                                          | APPROVED BY<br>JCOMERC I                                   | DATE<br>2010/03/05 |                                                        |                                        |  |              |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
|                             |                                                                                                                             |                             |                        |              |             |                                          |                                                            |                    |                                                        |                                        |  |              |                      |                                            |  |   |  | ANGULAR ± ---°          |                    |              | MATERIAL NO. |   | DOCUMENT NO. |         |  |                                            | SHEET NO.                                                                                                                        |  |  |
|                             |                                                                                                                             |                             |                        |              |             |                                          | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                    |                                                        |                                        |  |              |                      |                                            |  |   |  | SEE CHART               |                    | SD-45971-001 |              |   |              | 5 OF 10 |  |                                            |                                                                                                                                  |  |  |
|                             |                                                                                                                             |                             |                        |              |             |                                          |                                                            |                    |                                                        |                                        |  |              |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  | SIZE<br>A                                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |  |
|                             |                                                                                                                             |                             |                        |              |             |                                          |                                                            |                    |                                                        |                                        |  |              |                      |                                            |  |   |  |                         |                    |              |              |   |              |         |  |                                            |                                                                                                                                  |  |  |
|                             |                                                                                                                             |                             |                        |              |             |                                          |                                                            |                    |                                                        | tb_frame_A_P_AM_T<br>Rev. E 2006/04/15 |  | 5            |                      | 4                                          |  | 3 |  | 2                       |                    |              |              |   |              |         |  | 1                                          |                                                                                                                                  |  |  |

NOTES:  
 1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS  
 NO OF ROWS: 8  
 SOLDER CHARGE: TIN  
 PACKAGING: TRAYS AND TAPE AND REEL

[illegible]



|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|----|------------------------|-----------------------|-------|---------------------|--|---------------------------|--|-----------------------------|--|----------------------------|--|-------------|--|------------------------------------------------------|--|---------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|-------------------|--|------------------------|--|
|    |                        | 6                     |       |                     |  | 5                         |  |                             |  | 4                          |  |             |  | 3                                                    |  |                                       |  | 2                                                                                                                             |  |                   |  | 1                      |  |
| D  | TRAY PACK PK-45971-001 | DIM R: (REF)          |       | 5.0 MM              |  | 6.0 MM                    |  | 6.5 MM                      |  | 7.5 MM                     |  | 8.0 MM      |  | STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY           |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | DIM R: HOUSING HEIGHT |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | POSITION              | DIM M | MATERIAL NO         |  | MATERIAL NO               |  | MATERIAL NO                 |  | MATERIAL NO                |  | MATERIAL NO |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 19                    | 1.232 | 45971-0111          |  | 45971-0211                |  | 45971-0311                  |  | 45971-0411                 |  | 45971-0511  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 10                    | 0.782 | 45971-1111          |  | 45971-1211                |  | 45971-1311                  |  | 45971-1411                 |  | 45971-1511  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 20                    | 1.282 | 45971-2111          |  | 45971-2211                |  | 45971-2311                  |  | 45971-2411                 |  | 45971-2511  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 30                    | 1.782 | 45971-3111          |  | 45971-3211                |  | 45971-3311                  |  | 45971-3411                 |  | 45971-3511  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 40                    | 2.282 | 45971-4111          |  | 45971-4211                |  | 45971-4311                  |  | 45971-4411                 |  | 45971-4511  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 50                    | 2.782 | 45971-5111          |  | 45971-5211                |  | 45971-5311                  |  | 45971-5411                 |  | 45971-5511  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 15                    | 1.032 | 45971-6111          |  | 45971-6211                |  | 45971-6311                  |  | 45971-6411                 |  | 45971-6511  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 25                    | 1.532 | 45971-7111          |  | 45971-7211                |  | 45971-7311                  |  | 45971-7411                 |  | 45971-7511  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 35                    | 2.032 | 45971-8111          |  | 45971-8211                |  | 45971-8311                  |  | 45971-8411                 |  | 45971-8511  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
| 45 | 2.532                  | 45971-9111            |       | 45971-9211          |  | 45971-9311                |  | 45971-9411                  |  | 45971-9511                 |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
| C  | TRAY PACK PK-45971-002 | DIM R: (REF)          |       | 5.0 MM              |  | 6.0 MM                    |  | 6.5 MM                      |  | 7.5 MM                     |  | 8.0 MM      |  | STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY           |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | DIM R: HOUSING HEIGHT |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | POSITION              | DIM M | MATERIAL NO         |  | MATERIAL NO               |  | MATERIAL NO                 |  | MATERIAL NO                |  | MATERIAL NO |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 19                    | 1.232 | 45971-0115          |  | 45971-0215                |  | 45971-0315                  |  | 45971-0415                 |  | 45971-0515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 10                    | 0.782 | 45971-1115          |  | 45971-1215                |  | 45971-1315                  |  | 45971-1415                 |  | 45971-1515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 20                    | 1.282 | 45971-2115          |  | 45971-2215                |  | 45971-2315                  |  | 45971-2415                 |  | 45971-2515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 30                    | 1.782 | 45971-3115          |  | 45971-3215                |  | 45971-3315                  |  | 45971-3415                 |  | 45971-3515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 40                    | 2.282 | 45971-4115          |  | 45971-4215                |  | 45971-4315                  |  | 45971-4415                 |  | 45971-4515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 50                    | 2.782 | 45971-5115          |  | 45971-5215                |  | 45971-5315                  |  | 45971-5415                 |  | 45971-5515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 15                    | 1.032 | 45971-6115          |  | 45971-6215                |  | 45971-6315                  |  | 45971-6415                 |  | 45971-6515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 25                    | 1.532 | 45971-7115          |  | 45971-7215                |  | 45971-7315                  |  | 45971-7415                 |  | 45971-7515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 35                    | 2.032 | 45971-8115          |  | 45971-8215                |  | 45971-8315                  |  | 45971-8415                 |  | 45971-8515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
| 45 | 2.532                  | 45971-9115            |       | 45971-9215          |  | 45971-9315                |  | 45971-9415                  |  | 45971-9515                 |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
| B  | TRAY PACK PK-45971-002 | DIM R: (REF)          |       | 5.0 MM              |  | 6.0 MM                    |  | 6.5 MM                      |  | 7.5 MM                     |  | 8.0 MM      |  | STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY           |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | DIM R: HOUSING HEIGHT |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | POSITION              | DIM M | MATERIAL NO         |  | MATERIAL NO               |  | MATERIAL NO                 |  | MATERIAL NO                |  | MATERIAL NO |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 19                    | 1.232 | 45971-0115          |  | 45971-0215                |  | 45971-0315                  |  | 45971-0415                 |  | 45971-0515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 10                    | 0.782 | 45971-1115          |  | 45971-1215                |  | 45971-1315                  |  | 45971-1415                 |  | 45971-1515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 20                    | 1.282 | 45971-2115          |  | 45971-2215                |  | 45971-2315                  |  | 45971-2415                 |  | 45971-2515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 30                    | 1.782 | 45971-3115          |  | 45971-3215                |  | 45971-3315                  |  | 45971-3415                 |  | 45971-3515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 40                    | 2.282 | 45971-4115          |  | 45971-4215                |  | 45971-4315                  |  | 45971-4415                 |  | 45971-4515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 50                    | 2.782 | 45971-5115          |  | 45971-5215                |  | 45971-5315                  |  | 45971-5415                 |  | 45971-5515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 15                    | 1.032 | 45971-6115          |  | 45971-6215                |  | 45971-6315                  |  | 45971-6415                 |  | 45971-6515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 25                    | 1.532 | 45971-7115          |  | 45971-7215                |  | 45971-7315                  |  | 45971-7415                 |  | 45971-7515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 35                    | 2.032 | 45971-8115          |  | 45971-8215                |  | 45971-8315                  |  | 45971-8415                 |  | 45971-8515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
| 45 | 2.532                  | 45971-9115            |       | 45971-9215          |  | 45971-9315                |  | 45971-9415                  |  | 45971-9515                 |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
| A  | TRAY PACK PK-45971-002 | DIM R: (REF)          |       | 5.0 MM              |  | 6.0 MM                    |  | 6.5 MM                      |  | 7.5 MM                     |  | 8.0 MM      |  | STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY           |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | DIM R: HOUSING HEIGHT |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | POSITION              | DIM M | MATERIAL NO         |  | MATERIAL NO               |  | MATERIAL NO                 |  | MATERIAL NO                |  | MATERIAL NO |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 19                    | 1.232 | 45971-0115          |  | 45971-0215                |  | 45971-0315                  |  | 45971-0415                 |  | 45971-0515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 10                    | 0.782 | 45971-1115          |  | 45971-1215                |  | 45971-1315                  |  | 45971-1415                 |  | 45971-1515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 20                    | 1.282 | 45971-2115          |  | 45971-2215                |  | 45971-2315                  |  | 45971-2415                 |  | 45971-2515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 30                    | 1.782 | 45971-3115          |  | 45971-3215                |  | 45971-3315                  |  | 45971-3415                 |  | 45971-3515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 40                    | 2.282 | 45971-4115          |  | 45971-4215                |  | 45971-4315                  |  | 45971-4415                 |  | 45971-4515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 50                    | 2.782 | 45971-5115          |  | 45971-5215                |  | 45971-5315                  |  | 45971-5415                 |  | 45971-5515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 15                    | 1.032 | 45971-6115          |  | 45971-6215                |  | 45971-6315                  |  | 45971-6415                 |  | 45971-6515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 25                    | 1.532 | 45971-7115          |  | 45971-7215                |  | 45971-7315                  |  | 45971-7415                 |  | 45971-7515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | 35                    | 2.032 | 45971-8115          |  | 45971-8215                |  | 45971-8315                  |  | 45971-8415                 |  | 45971-8515  |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
| 45 | 2.532                  | 45971-9115            |       | 45971-9215          |  | 45971-9315                |  | 45971-9415                  |  | 45971-9515                 |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        | SEE SHEET 1           |       | EC NO: UCP2010-2270 |  | DRWN: TGREGORI 2010/03/05 |  | CH'KD: JCOMERC I 2005/05/17 |  | APPR: JCOMERC I 2010/03/05 |  |             |  | GENERAL TOLERANCES (UNLESS SPECIFIED)                |  | DIMENSION STYLE INCH ONLY             |  | SCALE 1:1                                                                                                                     |  | DESIGN UNITS INCH |  | THIRD ANGLE PROJECTION |  |
|    |                        | O                     |       | REV                 |  |                           |  |                             |  |                            |  |             |  | 4 PLACES ± --- mm ± --- INCH                         |  | DRAWN BY TGREGORI DATE 2005/05/17     |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  | 3 PLACES ± --- ± .005                                |  | CHECKED BY JCOMERC I DATE 2005/05/17  |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  | 2 PLACES ± --- ± ---                                 |  | APPROVED BY JCOMERC I DATE 2010/03/05 |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  | 1 PLACE ± --- ± ---                                  |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  | ANGULAR ± ---°                                       |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | MATERIAL NO. SEE CHART                |  | DOCUMENT NO. SD-45971-001                                                                                                     |  | SHEET NO. 7 OF 10 |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  | SIZE A                                |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |
|    |                        |                       |       |                     |  |                           |  |                             |  |                            |  |             |  |                                                      |  |                                       |  |                                                                                                                               |  |                   |  |                        |  |

|                                        |                        |                       |       |             |  |             |  |             |  |             |  |             |  |                                            |  |  |  |   |  |  |  |   |  |
|----------------------------------------|------------------------|-----------------------|-------|-------------|--|-------------|--|-------------|--|-------------|--|-------------|--|--------------------------------------------|--|--|--|---|--|--|--|---|--|
|                                        |                        | 6                     |       |             |  | 5           |  |             |  | 4           |  |             |  | 3                                          |  |  |  | 2 |  |  |  | 1 |  |
| D                                      | TRAY PACK PK-45971-001 | DIM R: (REF)          |       | 5.0 MM      |  | 6.0 MM      |  | 6.5 MM      |  | 7.5 MM      |  | 8.0 MM      |  | STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY |  |  |  |   |  |  |  |   |  |
|                                        |                        | DIM R: HOUSING HEIGHT |       |             |  |             |  |             |  |             |  |             |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | POSITION              | DIM M | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 19                    | 1.232 | 45971-0113  |  | 45971-0213  |  | 45971-0313  |  | 45971-0413  |  | 45971-0513  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 10                    | 0.782 | 45971-1113  |  | 45971-1213  |  | 45971-1313  |  | 45971-1413  |  | 45971-1513  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 20                    | 1.282 | 45971-2113  |  | 45971-2213  |  | 45971-2313  |  | 45971-2413  |  | 45971-2513  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 30                    | 1.782 | 45971-3113  |  | 45971-3213  |  | 45971-3313  |  | 45971-3413  |  | 45971-3513  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 40                    | 2.282 | 45971-4113  |  | 45971-4213  |  | 45971-4313  |  | 45971-4413  |  | 45971-4513  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 50                    | 2.782 | 45971-5113  |  | 45971-5213  |  | 45971-5313  |  | 45971-5413  |  | 45971-5513  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 15                    | 1.032 | 45971-6113  |  | 45971-6213  |  | 45971-6313  |  | 45971-6413  |  | 45971-6513  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 25                    | 1.532 | 45971-7113  |  | 45971-7213  |  | 45971-7313  |  | 45971-7413  |  | 45971-7513  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 35                    | 2.032 | 45971-8113  |  | 45971-8213  |  | 45971-8313  |  | 45971-8413  |  | 45971-8513  |  |                                            |  |  |  |   |  |  |  |   |  |
| 45                                     | 2.532                  | 45971-9113            |       | 45971-9213  |  | 45971-9313  |  | 45971-9413  |  | 45971-9513  |  |             |  |                                            |  |  |  |   |  |  |  |   |  |
| C                                      | TRAY PACK PK-45971-002 | DIM R: (REF)          |       | 5.0 MM      |  | 6.0 MM      |  | 6.5 MM      |  | 7.5 MM      |  | 8.0 MM      |  | STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY |  |  |  |   |  |  |  |   |  |
|                                        |                        | DIM R: HOUSING HEIGHT |       |             |  |             |  |             |  |             |  |             |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | POSITION              | DIM M | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 19                    | 1.232 | 45971-0117  |  | 45971-0217  |  | 45971-0317  |  | 45971-0417  |  | 45971-0517  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 10                    | 0.782 | 45971-1117  |  | 45971-1217  |  | 45971-1317  |  | 45971-1417  |  | 45971-1517  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 20                    | 1.282 | 45971-2117  |  | 45971-2217  |  | 45971-2317  |  | 45971-2417  |  | 45971-2517  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 30                    | 1.782 | 45971-3117  |  | 45971-3217  |  | 45971-3317  |  | 45971-3417  |  | 45971-3517  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 40                    | 2.282 | 45971-4117  |  | 45971-4217  |  | 45971-4317  |  | 45971-4417  |  | 45971-4517  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 50                    | 2.782 | 45971-5117  |  | 45971-5217  |  | 45971-5317  |  | 45971-5417  |  | 45971-5517  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 15                    | 1.032 | 45971-6117  |  | 45971-6217  |  | 45971-6317  |  | 45971-6417  |  | 45971-6517  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 25                    | 1.532 | 45971-7117  |  | 45971-7217  |  | 45971-7317  |  | 45971-7417  |  | 45971-7517  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 35                    | 2.032 | 45971-8117  |  | 45971-8217  |  | 45971-8317  |  | 45971-8417  |  | 45971-8517  |  |                                            |  |  |  |   |  |  |  |   |  |
| 45                                     | 2.532                  | 45971-9117            |       | 45971-9217  |  | 45971-9317  |  | 45971-9417  |  | 45971-9517  |  |             |  |                                            |  |  |  |   |  |  |  |   |  |
| B                                      | TRAY PACK PK-45971-002 | DIM R: (REF)          |       | 5.0 MM      |  | 6.0 MM      |  | 6.5 MM      |  | 7.5 MM      |  | 8.0 MM      |  | STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY |  |  |  |   |  |  |  |   |  |
|                                        |                        | DIM R: HOUSING HEIGHT |       |             |  |             |  |             |  |             |  |             |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | POSITION              | DIM M | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 19                    | 1.232 | 45971-0117  |  | 45971-0217  |  | 45971-0317  |  | 45971-0417  |  | 45971-0517  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 10                    | 0.782 | 45971-1117  |  | 45971-1217  |  | 45971-1317  |  | 45971-1417  |  | 45971-1517  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 20                    | 1.282 | 45971-2117  |  | 45971-2217  |  | 45971-2317  |  | 45971-2417  |  | 45971-2517  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 30                    | 1.782 | 45971-3117  |  | 45971-3217  |  | 45971-3317  |  | 45971-3417  |  | 45971-3517  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 40                    | 2.282 | 45971-4117  |  | 45971-4217  |  | 45971-4317  |  | 45971-4417  |  | 45971-4517  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 50                    | 2.782 | 45971-5117  |  | 45971-5217  |  | 45971-5317  |  | 45971-5417  |  | 45971-5517  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 15                    | 1.032 | 45971-6117  |  | 45971-6217  |  | 45971-6317  |  | 45971-6417  |  | 45971-6517  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 25                    | 1.532 | 45971-7117  |  | 45971-7217  |  | 45971-7317  |  | 45971-7417  |  | 45971-7517  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 35                    | 2.032 | 45971-8117  |  | 45971-8217  |  | 45971-8317  |  | 45971-8417  |  | 45971-8517  |  |                                            |  |  |  |   |  |  |  |   |  |
| 45                                     | 2.532                  | 45971-9117            |       | 45971-9217  |  | 45971-9317  |  | 45971-9417  |  | 45971-9517  |  |             |  |                                            |  |  |  |   |  |  |  |   |  |
| A                                      | TRAY PACK PK-45971-002 | DIM R: (REF)          |       | 5.0 MM      |  | 6.0 MM      |  | 6.5 MM      |  | 7.5 MM      |  | 8.0 MM      |  | STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY |  |  |  |   |  |  |  |   |  |
|                                        |                        | DIM R: HOUSING HEIGHT |       |             |  |             |  |             |  |             |  |             |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | POSITION              | DIM M | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  | MATERIAL NO |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 19                    | 1.232 | 45971-0117  |  | 45971-0217  |  | 45971-0317  |  | 45971-0417  |  | 45971-0517  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 10                    | 0.782 | 45971-1117  |  | 45971-1217  |  | 45971-1317  |  | 45971-1417  |  | 45971-1517  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 20                    | 1.282 | 45971-2117  |  | 45971-2217  |  | 45971-2317  |  | 45971-2417  |  | 45971-2517  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 30                    | 1.782 | 45971-3117  |  | 45971-3217  |  | 45971-3317  |  | 45971-3417  |  | 45971-3517  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 40                    | 2.282 | 45971-4117  |  | 45971-4217  |  | 45971-4317  |  | 45971-4417  |  | 45971-4517  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 50                    | 2.782 | 45971-5117  |  | 45971-5217  |  | 45971-5317  |  | 45971-5417  |  | 45971-5517  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 15                    | 1.032 | 45971-6117  |  | 45971-6217  |  | 45971-6317  |  | 45971-6417  |  | 45971-6517  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 25                    | 1.532 | 45971-7117  |  | 45971-7217  |  | 45971-7317  |  | 45971-7417  |  | 45971-7517  |  |                                            |  |  |  |   |  |  |  |   |  |
|                                        |                        | 35                    | 2.032 | 45971-8117  |  | 45971-8217  |  | 45971-8317  |  | 45971-8417  |  | 45971-8517  |  |                                            |  |  |  |   |  |  |  |   |  |
| 45                                     | 2.532                  | 45971-9117            |       | 45971-9217  |  | 45971-9317  |  | 45971-9417  |  | 45971-9517  |  |             |  |                                            |  |  |  |   |  |  |  |   |  |
| tb_frame_A_P_AM_T<br>Rev. E 2006/04/15 |                        | 5                     |       | 4           |  | 3           |  | 2           |  | 1           |  |             |  |                                            |  |  |  |   |  |  |  |   |  |

NOTES:

1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS

NO OF ROWS: 10

SOLDER CHARGE: TIN / LEAD

PACKAGING: TRAYS AND TAPE AND REEL

SEE SHEET 1

EC NO: UCP2010-2270

DRWN: TGREGORI 2010/03/05

CH'KD: JCOMERC I 2005/05/17

APPR: JCOMERC I 2010/03/05

REV

DESCRIPTION

GENERAL TOLERANCES (UNLESS SPECIFIED)

mm

INCH

4 PLACES ± --- ± ---

3 PLACES ± --- ± .005

2 PLACES ± --- ± ---

1 PLACE ± --- ± ---

ANGULAR ± ---°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

INCH ONLY

DRAWN BY

DATE

TGREGORI 2005/05/17

CHECKED BY

DATE

JCOMERC I 2005/05/17

APPROVED BY

DATE

JCOMERC I 2010/03/05

MATERIAL NO.

SEE CHART

SIZE

A

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE

1:1

DESIGN UNITS

INCH

THIRD ANGLE PROJECTION

TITLE

SEARAY  
RECEPTACLE ASSEMBLY  
.050 CENTERS

 MOLEX INCORPORATED

DOCUMENT NO.

SD-45971-001

SHEET NO.

8 OF 10

|                                                            |                                                                                                                              |                                        |             |                                          |                                                                                                                                  |        |                              |                    |                                                        |                      |                           |        |             |                                            |                      |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------|------------------------------|--------------------|--------------------------------------------------------|----------------------|---------------------------|--------|-------------|--------------------------------------------|----------------------|
|                                                            |                                                                                                                              | 6                                      |             | 5                                        |                                                                                                                                  | 4      |                              | 3                  |                                                        | 2                    |                           | 1      |             |                                            |                      |
| D                                                          | TRAY PACK PK-45971-001                                                                                                       | DIM R: (REF)                           |             | 5.0 MM                                   |                                                                                                                                  | 6.0 MM |                              | 6.5 MM             |                                                        | 7.5 MM               |                           | 8.0 MM |             | STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY |                      |
|                                                            |                                                                                                                              | DIM R:<br>HOUSING<br>HEIGHT            |             |                                          |                                                                                                                                  |        |                              |                    |                                                        |                      |                           |        |             |                                            |                      |
|                                                            |                                                                                                                              | POSITION                               |             | DIM M                                    | MATERIAL NO                                                                                                                      |        | MATERIAL NO                  |                    | MATERIAL NO                                            |                      | MATERIAL NO               |        | MATERIAL NO |                                            |                      |
|                                                            |                                                                                                                              | 19                                     |             | 1.232                                    | 45971-0121                                                                                                                       |        | 45971-0221                   |                    | 45971-0321                                             |                      | 45971-0421                |        | 45971-0521  |                                            |                      |
|                                                            |                                                                                                                              | 10                                     |             | 0.782                                    | 45971-1121                                                                                                                       |        | 45971-1221                   |                    | 45971-1321                                             |                      | 45971-1421                |        | 45971-1521  |                                            |                      |
|                                                            |                                                                                                                              | 20                                     |             | 1.282                                    | 45971-2121                                                                                                                       |        | 45971-2221                   |                    | 45971-2321                                             |                      | 45971-2421                |        | 45971-2521  |                                            |                      |
|                                                            |                                                                                                                              | 30                                     |             | 1.782                                    | 45971-3121                                                                                                                       |        | 45971-3221                   |                    | 45971-3321                                             |                      | 45971-3421                |        | 45971-3521  |                                            |                      |
|                                                            |                                                                                                                              | 40                                     |             | 2.282                                    | 45971-4121                                                                                                                       |        | 45971-4221                   |                    | 45971-4321                                             |                      | 45971-4421                |        | 45971-4521  |                                            |                      |
|                                                            |                                                                                                                              | 50                                     |             | 2.782                                    | 45971-5121                                                                                                                       |        | 45971-5221                   |                    | 45971-5321                                             |                      | 45971-5421                |        | 45971-5521  |                                            |                      |
|                                                            |                                                                                                                              | 15                                     |             | 1.032                                    | 45971-6121                                                                                                                       |        | 45971-6221                   |                    | 45971-6321                                             |                      | 45971-6421                |        | 45971-6521  |                                            |                      |
|                                                            |                                                                                                                              | 25                                     |             | 1.532                                    | 45971-7121                                                                                                                       |        | 45971-7221                   |                    | 45971-7321                                             |                      | 45971-7421                |        | 45971-7521  |                                            |                      |
|                                                            |                                                                                                                              | 35                                     |             | 2.032                                    | 45971-8121                                                                                                                       |        | 45971-8221                   |                    | 45971-8321                                             |                      | 45971-8421                |        | 45971-8521  |                                            |                      |
| 45                                                         |                                                                                                                              | 2.532                                  | 45971-9121  |                                          | 45971-9221                                                                                                                       |        | 45971-9321                   |                    | 45971-9421                                             |                      | 45971-9521                |        |             |                                            |                      |
| C                                                          | TRAY PACK PK-45971-002                                                                                                       | DIM R: (REF)                           |             | 5.0 MM                                   |                                                                                                                                  | 6.0 MM |                              | 6.5 MM             |                                                        | 7.5 MM               |                           | 8.0 MM |             | STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY |                      |
|                                                            |                                                                                                                              | DIM R:<br>HOUSING<br>HEIGHT            |             |                                          |                                                                                                                                  |        |                              |                    |                                                        |                      |                           |        |             |                                            |                      |
|                                                            |                                                                                                                              | POSITION                               |             | DIM M                                    | MATERIAL NO                                                                                                                      |        | MATERIAL NO                  |                    | MATERIAL NO                                            |                      | MATERIAL NO               |        | MATERIAL NO |                                            |                      |
|                                                            |                                                                                                                              | 19                                     |             | 1.232                                    | 45971-0125                                                                                                                       |        | 45971-0225                   |                    | 45971-0325                                             |                      | 45971-0425                |        | 45971-0525  |                                            |                      |
|                                                            |                                                                                                                              | 10                                     |             | 0.782                                    | 45971-1125                                                                                                                       |        | 45971-1225                   |                    | 45971-1325                                             |                      | 45971-1425                |        | 45971-1525  |                                            |                      |
|                                                            |                                                                                                                              | 20                                     |             | 1.282                                    | 45971-2125                                                                                                                       |        | 45971-2225                   |                    | 45971-2325                                             |                      | 45971-2425                |        | 45971-2525  |                                            |                      |
|                                                            |                                                                                                                              | 30                                     |             | 1.782                                    | 45971-3125                                                                                                                       |        | 45971-3225                   |                    | 45971-3325                                             |                      | 45971-3425                |        | 45971-3525  |                                            |                      |
|                                                            |                                                                                                                              | 40                                     |             | 2.282                                    | 45971-4125                                                                                                                       |        | 45971-4225                   |                    | 45971-4325                                             |                      | 45971-4425                |        | 45971-4525  |                                            |                      |
|                                                            |                                                                                                                              | 50                                     |             | 2.782                                    | 45971-5125                                                                                                                       |        | 45971-5225                   |                    | 45971-5325                                             |                      | 45971-5425                |        | 45971-5525  |                                            |                      |
|                                                            |                                                                                                                              | 15                                     |             | 1.032                                    | 45971-6125                                                                                                                       |        | 45971-6225                   |                    | 45971-6325                                             |                      | 45971-6425                |        | 45971-6525  |                                            |                      |
|                                                            |                                                                                                                              | 25                                     |             | 1.532                                    | 45971-7125                                                                                                                       |        | 45971-7225                   |                    | 45971-7325                                             |                      | 45971-7425                |        | 45971-7525  |                                            |                      |
|                                                            |                                                                                                                              | 35                                     |             | 2.032                                    | 45971-8125                                                                                                                       |        | 45971-8225                   |                    | 45971-8325                                             |                      | 45971-8425                |        | 45971-8525  |                                            |                      |
| 45                                                         |                                                                                                                              | 2.532                                  | 45971-9125  |                                          | 45971-9225                                                                                                                       |        | 45971-9325                   |                    | 45971-9425                                             |                      | 45971-9525                |        |             |                                            |                      |
| B                                                          | SEE SHEET 1<br>EC NO: UCP2010-2270<br>DRWN: TGREGORI 2010/03/05<br>CH'KD: JCOMERC I 2005/05/17<br>APPR: JCOMERC I 2010/03/05 | REV                                    | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED) |                                                                                                                                  |        | DIMENSION STYLE<br>INCH ONLY |                    | SCALE<br>3:1                                           | DESIGN UNITS<br>INCH | THIRD ANGLE<br>PROJECTION |        |             |                                            |                      |
|                                                            |                                                                                                                              |                                        |             | 4 PLACES                                 | ± ---                                                                                                                            | ± ---  | DRAWN BY<br>TGREGORI         | DATE<br>2005/05/17 | TITLE<br>SEARAY<br>RECEPTACLE ASSEMBLY<br>.050 CENTERS |                      |                           |        |             |                                            |                      |
|                                                            |                                                                                                                              |                                        |             |                                          |                                                                                                                                  |        |                              |                    |                                                        |                      |                           |        |             |                                            |                      |
|                                                            |                                                                                                                              |                                        |             |                                          |                                                                                                                                  |        |                              |                    |                                                        |                      |                           |        |             |                                            |                      |
|                                                            |                                                                                                                              |                                        |             |                                          |                                                                                                                                  |        |                              |                    |                                                        |                      |                           |        |             |                                            |                      |
|                                                            |                                                                                                                              |                                        |             |                                          |                                                                                                                                  |        |                              |                    |                                                        |                      |                           |        |             |                                            |                      |
|                                                            |                                                                                                                              |                                        |             | 3 PLACES                                 | ± ---                                                                                                                            | ± .005 | CHECKED BY<br>JCOMERC I      | DATE<br>2005/05/17 | MOLEX INCORPORATED                                     |                      |                           |        |             |                                            |                      |
|                                                            |                                                                                                                              |                                        |             |                                          |                                                                                                                                  |        |                              |                    |                                                        |                      |                           |        |             |                                            |                      |
|                                                            |                                                                                                                              |                                        |             |                                          |                                                                                                                                  |        |                              |                    |                                                        |                      |                           |        |             |                                            |                      |
|                                                            |                                                                                                                              |                                        |             | 2 PLACES                                 |                                                                                                                                  | ± ---  | APPROVED BY<br>JCOMERC I     | DATE<br>2010/03/05 | DOCUMENT NO.<br>SD-45971-001                           |                      |                           |        |             |                                            |                      |
|                                                            |                                                                                                                              |                                        |             | 1 PLACE                                  |                                                                                                                                  |        |                              |                    |                                                        |                      |                           |        | ± ---       |                                            | SHEET NO.<br>9 OF 10 |
|                                                            |                                                                                                                              |                                        |             | ANGULAR ± ---°                           |                                                                                                                                  |        | MATERIAL NO.<br>SEE CHART    |                    |                                                        |                      |                           |        |             |                                            |                      |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                                                              |                                        | SIZE<br>A   |                                          | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |        |                              |                    |                                                        |                      |                           |        |             |                                            |                      |
|                                                            |                                                                                                                              |                                        |             |                                          |                                                                                                                                  |        |                              |                    |                                                        |                      |                           |        |             |                                            |                      |
|                                                            |                                                                                                                              | tb_frame_A_P_AM_T<br>Rev. E 2006/04/15 |             | 5                                        |                                                                                                                                  | 4      |                              | 3                  |                                                        | 2                    |                           | 1      |             |                                            |                      |

|    |                                                                                                                                      |                                                                                                                                             |       |                                                            |  |             |  |                                                                                                                                  |  |                              |  |                                                                     |  |                                            |  |                       |  |  |  |   |  |
|----|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------|--|-------------|--|----------------------------------------------------------------------------------------------------------------------------------|--|------------------------------|--|---------------------------------------------------------------------|--|--------------------------------------------|--|-----------------------|--|--|--|---|--|
|    |                                                                                                                                      | 6                                                                                                                                           |       | 5                                                          |  | 4           |  | 3                                                                                                                                |  | 2                            |  | 1                                                                   |  |                                            |  |                       |  |  |  |   |  |
| D  | TRAY PACK PK-45971-001                                                                                                               | DIM R: (REF)                                                                                                                                |       | 5.0 MM                                                     |  | 6.0 MM      |  | 6.5 MM                                                                                                                           |  | 7.5 MM                       |  | 8.0 MM                                                              |  | STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | DIM R:<br>HOUSING<br>HEIGHT                                                                                                                 |       |                                                            |  |             |  |                                                                                                                                  |  |                              |  |                                                                     |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | POSITION                                                                                                                                    | DIM M | MATERIAL NO                                                |  | MATERIAL NO |  | MATERIAL NO                                                                                                                      |  | MATERIAL NO                  |  | MATERIAL NO                                                         |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | 19                                                                                                                                          | 1.232 | 45971-0123                                                 |  | 45971-0223  |  | 45971-0323                                                                                                                       |  | 45971-0423                   |  | 45971-0523                                                          |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | 10                                                                                                                                          | 0.782 | 45971-1123                                                 |  | 45971-1223  |  | 45971-1323                                                                                                                       |  | 45971-1423                   |  | 45971-1523                                                          |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | 20                                                                                                                                          | 1.282 | 45971-2123                                                 |  | 45971-2223  |  | 45971-2323                                                                                                                       |  | 45971-2423                   |  | 45971-2523                                                          |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | 30                                                                                                                                          | 1.782 | 45971-3123                                                 |  | 45971-3223  |  | 45971-3323                                                                                                                       |  | 45971-3423                   |  | 45971-3523                                                          |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | 40                                                                                                                                          | 2.282 | 45971-4123                                                 |  | 45971-4223  |  | 45971-4323                                                                                                                       |  | 45971-4423                   |  | 45971-4523                                                          |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | 50                                                                                                                                          | 2.782 | 45971-5123                                                 |  | 45971-5223  |  | 45971-5323                                                                                                                       |  | 45971-5423                   |  | 45971-5523                                                          |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | 15                                                                                                                                          | 1.032 | 45971-6123                                                 |  | 45971-6223  |  | 45971-6323                                                                                                                       |  | 45971-6423                   |  | 45971-6523                                                          |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | 25                                                                                                                                          | 1.532 | 45971-7123                                                 |  | 45971-7223  |  | 45971-7323                                                                                                                       |  | 45971-7423                   |  | 45971-7523                                                          |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | 35                                                                                                                                          | 2.032 | 45971-8123                                                 |  | 45971-8223  |  | 45971-8323                                                                                                                       |  | 45971-8423                   |  | 45971-8523                                                          |  |                                            |  |                       |  |  |  |   |  |
| 45 | 2.532                                                                                                                                | 45971-9123                                                                                                                                  |       | 45971-9223                                                 |  | 45971-9323  |  | 45971-9423                                                                                                                       |  | 45971-9523                   |  |                                                                     |  |                                            |  |                       |  |  |  |   |  |
| C  | TRAY PACK PK-45971-002                                                                                                               | DIM R: (REF)                                                                                                                                |       | 5.0 MM                                                     |  | 6.0 MM      |  | 6.5 MM                                                                                                                           |  | 7.5 MM                       |  | 8.0 MM                                                              |  | STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | DIM R:<br>HOUSING<br>HEIGHT                                                                                                                 |       |                                                            |  |             |  |                                                                                                                                  |  |                              |  |                                                                     |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | POSITION                                                                                                                                    | DIM M | MATERIAL NO                                                |  | MATERIAL NO |  | MATERIAL NO                                                                                                                      |  | MATERIAL NO                  |  | MATERIAL NO                                                         |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | 19                                                                                                                                          | 1.232 | 45971-0127                                                 |  | 45971-0227  |  | 45971-0327                                                                                                                       |  | 45971-0427                   |  | 45971-0527                                                          |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | 10                                                                                                                                          | 0.782 | 45971-1127                                                 |  | 45971-1227  |  | 45971-1327                                                                                                                       |  | 45971-1427                   |  | 45971-1527                                                          |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | 20                                                                                                                                          | 1.282 | 45971-2127                                                 |  | 45971-2227  |  | 45971-2327                                                                                                                       |  | 45971-2427                   |  | 45971-2527                                                          |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | 30                                                                                                                                          | 1.782 | 45971-3127                                                 |  | 45971-3227  |  | 45971-3327                                                                                                                       |  | 45971-3427                   |  | 45971-3527                                                          |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | 40                                                                                                                                          | 2.282 | 45971-4127                                                 |  | 45971-4227  |  | 45971-4327                                                                                                                       |  | 45971-4427                   |  | 45971-4527                                                          |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | 50                                                                                                                                          | 2.782 | 45971-5127                                                 |  | 45971-5227  |  | 45971-5327                                                                                                                       |  | 45971-5427                   |  | 45971-5527                                                          |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | 15                                                                                                                                          | 1.032 | 45971-6127                                                 |  | 45971-6227  |  | 45971-6327                                                                                                                       |  | 45971-6427                   |  | 45971-6527                                                          |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | 25                                                                                                                                          | 1.532 | 45971-7127                                                 |  | 45971-7227  |  | 45971-7327                                                                                                                       |  | 45971-7427                   |  | 45971-7527                                                          |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | 35                                                                                                                                          | 2.032 | 45971-8127                                                 |  | 45971-8227  |  | 45971-8327                                                                                                                       |  | 45971-8427                   |  | 45971-8527                                                          |  |                                            |  |                       |  |  |  |   |  |
| 45 | 2.532                                                                                                                                | 45971-9127                                                                                                                                  |       | 45971-9227                                                 |  | 45971-9327  |  | 45971-9427                                                                                                                       |  | 45971-9527                   |  |                                                                     |  |                                            |  |                       |  |  |  |   |  |
| B  | SEE SHEET 1<br>EC NO: UCP2010-2270<br>DRWN: TGREGORI 2010/03/05<br>CHKD: JCOMERC I 2005/05/17<br>APPR: JCOMERC I 2010/03/05<br>REV O | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                    |       | mm                                                         |  | INCH        |  | DIMENSION STYLE<br>INCH ONLY                                                                                                     |  | SCALE<br>1:1                 |  | DESIGN UNITS<br>INCH                                                |  | THIRD ANGLE<br>PROJECTION                  |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | 4 PLACES                                                                                                                                    |       | ± ---                                                      |  | ± ---       |  | DRAWN BY<br>TGREGORI                                                                                                             |  | DATE<br>2005/05/17           |  | SEARAY<br>RECEPTACLE ASSEMBLY<br>.050 CENTERS<br>MOLEX INCORPORATED |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | 3 PLACES                                                                                                                                    |       | ± ---                                                      |  | ± .005      |  | CHECKED BY<br>JCOMERC I                                                                                                          |  | DATE<br>2005/05/17           |  |                                                                     |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | 2 PLACES                                                                                                                                    |       | ± ---                                                      |  | ± ---       |  | APPROVED BY<br>JCOMERC I                                                                                                         |  | DATE<br>2010/03/05           |  |                                                                     |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | 1 PLACE                                                                                                                                     |       | ± ---                                                      |  | ± ---       |  | MATERIAL NO.<br>SEE CHART                                                                                                        |  | DOCUMENT NO.<br>SD-45971-001 |  |                                                                     |  |                                            |  | SHEET NO.<br>10 OF 10 |  |  |  |   |  |
|    |                                                                                                                                      | ANGULAR ± ---°                                                                                                                              |       | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | SIZE<br>A   |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                              |  |                                                                     |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | NOTES:<br>1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS<br>NO OF ROWS: 12<br>SOLDER CHARGE: TIN / LEAD<br>PACKAGING: TRAYS AND TAPE AND REEL |       |                                                            |  |             |  |                                                                                                                                  |  |                              |  |                                                                     |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      | tb_frame_A_P_AM_T<br>Rev. E 2006/04/15                                                                                                      |       |                                                            |  |             |  |                                                                                                                                  |  |                              |  |                                                                     |  |                                            |  |                       |  |  |  |   |  |
|    |                                                                                                                                      |                                                                                                                                             |       | 5                                                          |  |             |  | 4                                                                                                                                |  |                              |  | 3                                                                   |  |                                            |  | 2                     |  |  |  | 1 |  |

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9