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Part Number:

0757830136

Status:

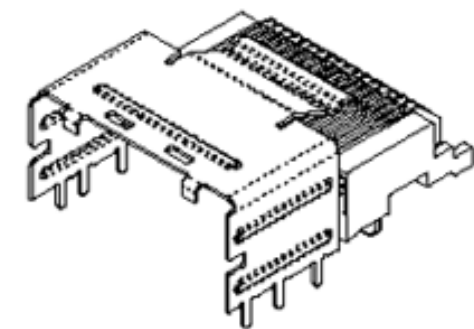
Active

Overview:

ipass

Description:

0.80mm (.031") Pitch, iPass™ I/O SMT Receptacle, Right Angle, Internal Application, 36 Circuit, 0.76µm (30µ") Gold (Au), Through Hole Shell, Universal Key



Series

image - Reference only

Documents:

- [Drawing \(PDF\)](#)
- [Product Specification PS-75783-001 \(PDF\)](#)
- [Application Specification \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

General

|                |                                              |
|----------------|----------------------------------------------|
| Product Family | I/O Connectors                               |
| Series         | 75783                                        |
| Application    | Wire-to-Board                                |
| Comments       | Positive or passive latching cable available |
| Component Type | Receptacle                                   |
| Overview       | ipass                                        |
| Product Name   | iPass™, PCI Express*, SAS, Serial ATA        |
| Type           | N/A                                          |

Physical

|                                |                                                  |
|--------------------------------|--------------------------------------------------|
| Boot Color                     | N/A                                              |
| Circuits (Loaded)              | 36                                               |
| Circuits (maximum)             | 36                                               |
| Color - Resin                  | Black                                            |
| Durability (mating cycles max) | 25                                               |
| Flammability                   | 94V-0                                            |
| Gender                         | Receptacle                                       |
| Keying to Mating Part          | Yes                                              |
| Lock to Mating Part            | None                                             |
| Material - Metal               | Copper-Nickel-Zinc, High Performance Alloy (HPA) |
| Material - Plating Mating      | Gold                                             |
| Material - Plating Termination | Tin                                              |
| Material - Resin               | High Temperature Thermoplastic                   |
| Number of Rows                 | 2                                                |
| Orientation                    | Right Angle                                      |
| PCB Locator                    | Yes                                              |
| PCB Retention                  | Yes                                              |
| PCB Thickness Recommended (in) | 0.077 In                                         |
| PCB Thickness Recommended (mm) | 1.96 mm                                          |
| Packaging Type                 | Embossed Tape on Reel                            |
| Panel Mount                    | No                                               |
| Pitch - Mating Interface (in)  | 0.031 In                                         |
| Pitch - Mating Interface (mm)  | 0.80 mm                                          |
| Pitch - Term. Interface (in)   | 0.031 In                                         |
| Pitch - Term. Interface (mm)   | 0.80 mm                                          |
| Plating min: Mating (µin)      | 30.4                                             |
| Plating min: Mating (µm)       | 0.76                                             |
| Plating min: Termination (µin) | 101.6                                            |
| Plating min: Termination (µm)  | 2.54                                             |
| Polarized to Mating Part       | Yes                                              |
| Polarized to PCB               | Yes                                              |

EU RoHS

ELV and RoHS  
Compliant  
REACH SVHC  
Contains SVHC: No  
Halogen-Free  
Status

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

75783Series

Mates With

iPass™ Cable Assemblies, [79575](#) , [79576](#)  
, [74562](#) , [74563](#) , [79536](#) , [74573](#) , [74569](#) ,  
[74586](#)

|                                |                |
|--------------------------------|----------------|
| Ports                          | 1              |
| Surface Mount Compatible (SMC) | Yes            |
| Temperature Range - Operating  | -40°C to +80°C |
| Termination Interface: Style   | Surface Mount  |
| Waterproof / Dustproof         | No             |
| Wire Insulation Diameter       | N/A            |
| Wire Size AWG                  | N/A            |

**Electrical**

|                               |                 |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 0.5A            |
| Grounding to Panel            | None            |
| Shield Type                   | Full Shield     |
| Shielded                      | Yes             |
| Voltage - Maximum             | 30V AC (RMS)/DC |

**Solder Process Data**

|                              |                           |
|------------------------------|---------------------------|
| Lead-free Process Capability | Reflow Capable (SMT only) |
| Process Temperature max. C   | 260                       |

**Material Info**

**Reference - Drawing Numbers**

|                         |              |
|-------------------------|--------------|
| Packaging Specification | PK-75783-001 |
| Product Specification   | PS-75783-001 |
| Sales Drawing           | SD-75783-001 |

This document was generated on 05/28/2010

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MOLD CAVITY ID  
FOR REFERENCE ONLY



# NOTES:

## 1. MATERIAL:

### CONNECTOR:

HOUSING - HIGH TEMPERATURE THERMOPLASTIC GLASS FILLED, UL 94V-0, BLACK  
TERMINALS - COPPER ALLOY

### SHELL

SILVER NICKEL, C770, THICKNESS: 0.250/0.254

## 2. FINISH:

### CONNECTOR

#### OPTION 1

CONTACT AREA - 0.38 $\mu$ m MIN GOLD OVER 2.54  $\mu$ m NICKEL

SOLDER FOOT AREA - 2.54-5.09 $\mu$ m TIN OVER 1.27  $\mu$ m NICKEL

#### OPTION 2

CONTACT AREA - 0.76 $\mu$ m MIN GOLD OVER 2.54  $\mu$ m NICKEL

SOLDER FOOT AREA - 2.54-5.09 $\mu$ m TIN OVER 1.27  $\mu$ m NICKEL

## 3. TERMINAL SOLDER FEET TO BE COPLANAR WITHIN 0.10 MEASURED FROM FRONT HOUSING STAND OFF (DATUM C)

## 4. DATE CODE: 4 DIGIT (3 DIGIT DAY, 1 DIGIT YEAR) CONNECTOR ONLY

## 5. CIRCUIT IDENTIFIER: SEE APPROPRIATE INDUSTRY SPECIFICATION FOR LOCATION OF PIN 1.

## 6. TO BE USED WITH THE FOLLOWING CABLE SERIES:

79575/74563/79576/74573/79536/74562/74569/74586

## 7. PACKAGED PER PACKAGING SPECIFICATION: PK-75783-001

## 8. CONFORMS TO PRODUCT SPECIFICATION: PS-75783-001

## 9. PROCESS PER APPLICATION SPECIFICATION: AS-75783-001

## 10. THIS PART CONFORMS TO CLASS C REQUIREMENTS OF COSMETIC SPEC PS-45499-002



SEE NOTE 3

36 CIRCUIT  
RETENTION FIT  
SHELL OPTION SHOWN



| CIRCUIT<br>SIZE | DIM 'A' | DIM 'B' | DIM 'C' |
|-----------------|---------|---------|---------|
| 26              | 12.00   | 13.80   | 11.80   |
| 36              | 16.00   | 17.80   | 15.80   |
| 50              | 21.60   | 23.40   | 21.40   |
| 68              | 28.80   | 30.60   | 28.60   |

GEOMETRY UPDATE  
EC NO: UCP2010-1913  
2010/02/03  
DRUNKLANG  
CHKD: JSWENSON  
2010/03/24  
APPR: MBANAKIS  
2010/03/25

QUALITY  
SYMBOLS  
=0  
=0

GENERAL TOLERANCES  
(UNLESS SPECIFIED)

|                    | mm         | INCH        |
|--------------------|------------|-------------|
| 4 PLACES           | $\pm$ .005 | $\pm$ .0004 |
| 3 PLACES           | $\pm$ .005 | $\pm$ .0004 |
| 2 PLACES           | $\pm$ .013 | $\pm$ .0005 |
| 1 PLACE            | $\pm$ 0.25 | $\pm$ .010  |
| ANGULAR $\pm$ 1/2° |            |             |

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

DIMENSION STYLE  
MM ONLY

| DRAWN BY    | DATE     |
|-------------|----------|
| KLANG       | 02/09/05 |
| CHECKED BY  | DATE     |
| JSWENSON    | 02/09/05 |
| APPROVED BY | DATE     |
| MBANAKIS    | 02/02/05 |

MATERIAL NO.  
SEE CHART

SCALE  
5:1

DESIGN UNITS  
METRIC

THIRD ANGLE  
PROJECTION

TITLE  
I-PASS R/A CONNECTOR  
INTERNAL ASSY W/SHELL  
0.8MM PITCH I/O

MOLEX INCORPORATED

DOCUMENT NO.  
SD-75783-001

SHEET NO.  
1 OF 12

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# ASSEMBLY WITH PRE-POSITION DEVICE



PICK & PLACE  
NOZZLE AREA



36 CIRCUIT RETENTION-FIT SHELL OPTION SHOWN



## NOTES:

1. PICK AND PLACE AREA DEFINED IN APPLICATION SPECIFICATION, AS-75783-001
2. PACKAGING CONSISTS OF CONNECTOR AND SHELL WITH A PRE-POSITIONING PICK AND PLACE DEVICE THAT ARE PACKAGED IN "TAPE AND REEL" FOR ROBOTIC PICK AND PLACE.

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| CIRCUIT SIZE | DIM 'D' |
|--------------|---------|
| 26           | 15.50   |
| 36           | 19.50   |
| 50           | 25.10   |
| 68           | 32.30   |

|                                                                                                                             |     |                           |                 |                                                            |  |  |                                                                                                                               |  |                  |                                                                           |                              |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------|-----|---------------------------|-----------------|------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------------------------------------------------|--|------------------|---------------------------------------------------------------------------|------------------------------|--|--|--|--|
| SEE SHEET 1<br>EC NO: UCP2010-1913<br>2010/02/03<br>DRW:KLANG<br>CHKD:JSWENSON<br>2010/03/24<br>APPR:MBANAKIS<br>2010/03/25 | REV | DESCRIPTION<br>▽=0<br>▽=0 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |  |  | DIMENSION STYLE<br>MM ONLY                                                                                                    |  | SCALE<br>5:1     | DESIGN UNITS<br>METRIC                                                    | THIRD ANGLE<br>PROJECTION    |  |  |  |  |
|                                                                                                                             |     |                           |                 |                                                            |  |  | DRAWN BY<br>KLANG                                                                                                             |  | DATE<br>02/09/05 | TITLE<br>I-PASS R/A CONNECTOR<br>INTERNAL ASSY W/SHELL<br>0.8MM PITCH I/O |                              |  |  |  |  |
|                                                                                                                             |     |                           |                 |                                                            |  |  | CHECKED BY<br>JSWENSON                                                                                                        |  | DATE<br>02/09/05 |                                                                           |                              |  |  |  |  |
|                                                                                                                             |     |                           |                 | 4 PLACES ± --- ± ---                                       |  |  |                                                                                                                               |  |                  |                                                                           | MOLEX INCORPORATED           |  |  |  |  |
|                                                                                                                             |     |                           |                 | 3 PLACES ± --- ± ---                                       |  |  |                                                                                                                               |  |                  |                                                                           |                              |  |  |  |  |
|                                                                                                                             |     |                           |                 | 2 PLACES ± 0.13 ± ---                                      |  |  |                                                                                                                               |  |                  |                                                                           | DOCUMENT NO.<br>SD-75783-001 |  |  |  |  |
|                                                                                                                             |     |                           |                 | 1 PLACE ± 0.25 ± ---                                       |  |  |                                                                                                                               |  |                  |                                                                           |                              |  |  |  |  |
|                                                                                                                             |     |                           |                 | ANGULAR ±1/2°                                              |  |  |                                                                                                                               |  |                  |                                                                           | SHEET NO.<br>2 OF 12         |  |  |  |  |
|                                                                                                                             |     |                           |                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  |  |                                                                                                                               |  |                  |                                                                           |                              |  |  |  |  |
|                                                                                                                             |     |                           |                 | SIZE<br>C                                                  |  |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                  |                                                                           |                              |  |  |  |  |

# SHELL PCB INTERFACE



RETENTION-FIT  
SHELL OPTION

SMT SHELL OPTION

THRU-HOLE SHELL OPTION  
SEE TABLE FOR LENGTH  
(X.XX DENOTES TAIL LENGTH)

RECOMMENDED PCB THICKNESS  
FOR SPECIFIED TAIL LENGTH

| TAIL LENGTH | PCB THICKNESS |
|-------------|---------------|
| 1.96        | 1.57 (.062)   |
| 2.79        | 2.36 (.093)   |
| 3.18        | 2.79 (.110)   |
| 3.56        | 3.18 (.125)   |

NOTE:  
RETENTION FIT DENOTES TAILS THAT OFFER RETENTION  
TO PCB DURING REFLOW PROCESS  
SMT DENOTES SURFACE MOUNT TERMINATION  
T/H X.XX DENOTES THRU-HOLE TAIL OF LENGTH X.XX

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|                                                            |                                                                                                     |             |               |                 |                                                                                                                                  |        |                            |                         |                      |                        |                                                                           |                             |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------|---------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------|-------------------------|----------------------|------------------------|---------------------------------------------------------------------------|-----------------------------|
| SEE SHEET 1                                                | EC NO: UCP2010-1913<br>DRW:KLANG 2010/02/03<br>CHKD:JSWENSON 2010/03/24<br>APPR:MBANAKIS 2010/03/25 | DESCRIPTION | REV           | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                            |        | DIMENSION STYLE<br>MM ONLY |                         | SCALE<br>5:1         | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION                                                 |                             |
|                                                            |                                                                                                     |             |               | ▽=0<br><br>▽=0  |                                                                                                                                  | mm     | INCH                       | DRAWN BY<br>KLANG       |                      | DATE<br>02/09/05       | TITLE<br>I-PASS R/A CONNECTOR<br>INTERNAL ASSY W/SHELL<br>0.8MM PITCH I/O | molex<br>MOLEX INCORPORATED |
|                                                            |                                                                                                     |             |               |                 | 4 PLACES                                                                                                                         | ± ---  | ± ---                      | CHECKED BY<br>JSWENSON  |                      | DATE<br>02/09/05       |                                                                           |                             |
|                                                            |                                                                                                     |             |               |                 | 3 PLACES                                                                                                                         | ± ---  | ± ---                      | APPROVED BY<br>MBANAKIS |                      | DATE<br>02/02/05       |                                                                           |                             |
|                                                            |                                                                                                     |             |               |                 | 2 PLACES                                                                                                                         | ± 0.13 | ± ---                      | MATERIAL NO.            |                      | DOCUMENT NO.           |                                                                           |                             |
| 1 PLACE                                                    | ± 0.25                                                                                              | ± ---       | ANGULAR ±1/2° |                 | SEE CHART                                                                                                                        |        | SD-75783-001               |                         | SHEET NO.<br>3 OF 12 |                        |                                                                           |                             |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                                     |             |               |                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |        |                            |                         |                      |                        |                                                                           |                             |

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# KEYING OPTIONS



|                | UNIVERSAL SHELL | LEFT KEY SHELL | RIGHT KEY SHELL | DUAL KEY SHELL |
|----------------|-----------------|----------------|-----------------|----------------|
| NO KEY PLUG    | YES             | NO             | NO              | NO             |
| LEFT KEY PLUG  | YES             | YES            | NO              | NO             |
| RIGHT KEY PLUG | YES             | NO             | YES             | NO             |
| UNIVERSAL PLUG | YES             | YES            | YES             | YES            |

SEE SHEET 1  
EC NO: UCP2010-1913  
2010/02/03  
DRUNKLANG  
CHKD: JMWENSON  
2010/03/24  
APPR: MBANAKIS  
2010/03/25

QUALITY SYMBOLS  
▽=0  
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

|          | mm     | INCH    |
|----------|--------|---------|
| 4 PLACES | ± .005 | ± .0004 |
| 3 PLACES | ± .005 | ± .0004 |
| 2 PLACES | ± 0.13 | ± .005  |
| 1 PLACE  | ± 0.25 | ± .010  |

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE  
MM ONLY

|             |          |      |          |
|-------------|----------|------|----------|
| DRAWN BY    | KLANK    | DATE | 02/09/05 |
| CHECKED BY  | JMWENSON | DATE | 02/09/05 |
| APPROVED BY | MBANAKIS | DATE | 02/02/05 |

MATERIAL NO.

SIZE C

SCALE 2:1

DESIGN UNITS METRIC

THIRD ANGLE PROJECTION

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SD-75783-001

4 OF 12

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26 CIRCUIT ITEM NUMBERS

| CIRCUIT SIZE | ITEM NUMBER | PLATING OPTION | SHELL PCB OPTION | SHELL KEY OPTION |
|--------------|-------------|----------------|------------------|------------------|
| 26           | 75783-0007  | OPTION 1       | RETENTION        | LEFT             |
| 26           | 75783-0008  | OPTION 1       | RETENTION        | RIGHT            |
| 26           | 75783-0009  | OPTION 1       | RETENTION        | DUAL             |
| 26           | 75783-0010  | OPTION 1       | SMT              | LEFT             |
| 26           | 75783-0011  | OPTION 1       | SMT              | RIGHT            |
| 26           | 75783-0012  | OPTION 1       | SMT              | DUAL             |
| 26           | 75783-0019  | OPTION 2       | RETENTION        | LEFT             |
| 26           | 75783-0020  | OPTION 2       | RETENTION        | RIGHT            |
| 26           | 75783-0021  | OPTION 2       | RETENTION        | DUAL             |
| 26           | 75783-0022  | OPTION 2       | SMT              | LEFT             |
| 26           | 75783-0023  | OPTION 2       | SMT              | RIGHT            |
| 26           | 75783-0024  | OPTION 2       | SMT              | DUAL             |
| 26           | 75783-0025  | OPTION 1       | RETENTION        | UNIVERSAL        |
| 26           | 75783-0026  | OPTION 1       | SMT              | UNIVERSAL        |
| 26           | 75783-0027  | OPTION 2       | RETENTION        | UNIVERSAL        |
| 26           | 75783-0028  | OPTION 2       | SMT              | UNIVERSAL        |
| 26           | 75783-0029  | OPTION 1       | T/H 1.96         | LEFT             |
| 26           | 75783-0030  | OPTION 1       | T/H 1.96         | RIGHT            |
| 26           | 75783-0031  | OPTION 1       | T/H 1.96         | DUAL             |
| 26           | 75783-0032  | OPTION 1       | T/H 1.96         | UNIVERSAL        |
| 26           | 75783-0033  | OPTION 2       | T/H 1.96         | LEFT             |
| 26           | 75783-0034  | OPTION 2       | T/H 1.96         | RIGHT            |
| 26           | 75783-0035  | OPTION 2       | T/H 1.96         | DUAL             |
| 26           | 75783-0036  | OPTION 2       | T/H 1.96         | UNIVERSAL        |

| CIRCUIT SIZE | ITEM NUMBER | PLATING OPTION | SHELL PCB OPTION | SHELL KEY OPTION |
|--------------|-------------|----------------|------------------|------------------|
| 26           | 75783-0037  | OPTION 1       | T/H 2.79         | LEFT             |
| 26           | 75783-0038  | OPTION 1       | T/H 2.79         | RIGHT            |
| 26           | 75783-0039  | OPTION 1       | T/H 2.79         | DUAL             |
| 26           | 75783-0040  | OPTION 1       | T/H 2.79         | UNIVERSAL        |
| 26           | 75783-0041  | OPTION 2       | T/H 2.79         | LEFT             |
| 26           | 75783-0042  | OPTION 2       | T/H 2.79         | RIGHT            |
| 26           | 75783-0043  | OPTION 2       | T/H 2.79         | DUAL             |
| 26           | 75783-0044  | OPTION 2       | T/H 2.79         | UNIVERSAL        |
| 26           | 75783-0045  | OPTION 1       | T/H 3.18         | LEFT             |
| 26           | 75783-0046  | OPTION 1       | T/H 3.18         | RIGHT            |
| 26           | 75783-0047  | OPTION 1       | T/H 3.18         | DUAL             |
| 26           | 75783-0048  | OPTION 1       | T/H 3.18         | UNIVERSAL        |
| 26           | 75783-0049  | OPTION 2       | T/H 3.18         | LEFT             |
| 26           | 75783-0050  | OPTION 2       | T/H 3.18         | RIGHT            |
| 26           | 75783-0051  | OPTION 2       | T/H 3.18         | DUAL             |
| 26           | 75783-0052  | OPTION 2       | T/H 3.18         | UNIVERSAL        |

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SEE SHEET 1

EC NO: UCP2010-1913

2010/02/03

DRWN:KLANG

2010/03/24

CHKD:JSWENSON

2010/03/25

APPR:MBANAKIS

REV

DESCRIPTION

QUALITY SYMBOLS

▽=0

▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

mm

INCH

4 PLACES ± --- ± ---

3 PLACES ± --- ± ---

2 PLACES ± 0.13 ± ---

1 PLACE ± 0.25 ± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY

DATE

CHECKED BY

DATE

APPROVED BY

DATE

MATERIAL NO.

SEE CHART

SIZE

C

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SCALE

2:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

TITLE

I-PASS R/A CONNECTOR  
INTERNAL ASSY W/SHELL  
0.8MM PITCH I/O

MOLEX

MOLEX INCORPORATED

DOCUMENT NO.

SD-75783-001

SHEET NO.

5 OF 12

## 36 CIRCUIT ITEM NUMBERS

| CIRCUIT SIZE | ITEM NUMBER | PLATING OPTION | SHELL PCB OPTION | SHELL KEY OPTION |
|--------------|-------------|----------------|------------------|------------------|
| 36           | 75783-0107  | OPTION 1       | RETENTION        | LEFT             |
| 36           | 75783-0108  | OPTION 1       | RETENTION        | RIGHT            |
| 36           | 75783-0109  | OPTION 1       | RETENTION        | DUAL             |
| 36           | 75783-0110  | OPTION 1       | SMT              | LEFT             |
| 36           | 75783-0111  | OPTION 1       | SMT              | RIGHT            |
| 36           | 75783-0112  | OPTION 1       | SMT              | DUAL             |
| 36           | 75783-0119  | OPTION 2       | RETENTION        | LEFT             |
| 36           | 75783-0120  | OPTION 2       | RETENTION        | RIGHT            |
| 36           | 75783-0121  | OPTION 2       | RETENTION        | DUAL             |
| 36           | 75783-0122  | OPTION 2       | SMT              | LEFT             |
| 36           | 75783-0123  | OPTION 2       | SMT              | RIGHT            |
| 36           | 75783-0124  | OPTION 2       | SMT              | DUAL             |
| 36           | 75783-0125  | OPTION 1       | RETENTION        | UNIVERSAL        |
| 36           | 75783-0126  | OPTION 1       | SMT              | UNIVERSAL        |
| 36           | 75783-0127  | OPTION 2       | RETENTION        | UNIVERSAL        |
| 36           | 75783-0128  | OPTION 2       | SMT              | UNIVERSAL        |
| 36           | 75783-0129  | OPTION 1       | T/H 1.96         | LEFT             |
| 36           | 75783-0130  | OPTION 1       | T/H 1.96         | RIGHT            |
| 36           | 75783-0131  | OPTION 1       | T/H 1.96         | DUAL             |
| 36           | 75783-0132  | OPTION 1       | T/H 1.96         | UNIVERSAL        |
| 36           | 75783-0133  | OPTION 2       | T/H 1.96         | LEFT             |
| 36           | 75783-0134  | OPTION 2       | T/H 1.96         | RIGHT            |
| 36           | 75783-0135  | OPTION 2       | T/H 1.96         | DUAL             |
| 36           | 75783-0136  | OPTION 2       | T/H 1.96         | UNIVERSAL        |

| CIRCUIT SIZE | ITEM NUMBER | PLATING OPTION | SHELL PCB OPTION | SHELL KEY OPTION |
|--------------|-------------|----------------|------------------|------------------|
| 36           | 75783-0137  | OPTION 1       | T/H 2.79         | LEFT             |
| 36           | 75783-0138  | OPTION 1       | T/H 2.79         | RIGHT            |
| 36           | 75783-0139  | OPTION 1       | T/H 2.79         | DUAL             |
| 36           | 75783-0140  | OPTION 1       | T/H 2.79         | UNIVERSAL        |
| 36           | 75783-0141  | OPTION 2       | T/H 2.79         | LEFT             |
| 36           | 75783-0142  | OPTION 2       | T/H 2.79         | RIGHT            |
| 36           | 75783-0143  | OPTION 2       | T/H 2.79         | DUAL             |
| 36           | 75783-0144  | OPTION 2       | T/H 2.79         | UNIVERSAL        |
| 36           | 75783-0145  | OPTION 1       | T/H 3.18         | LEFT             |
| 36           | 75783-0146  | OPTION 1       | T/H 3.18         | RIGHT            |
| 36           | 75783-0147  | OPTION 1       | T/H 3.18         | DUAL             |
| 36           | 75783-0148  | OPTION 1       | T/H 3.18         | UNIVERSAL        |
| 36           | 75783-0149  | OPTION 2       | T/H 3.18         | LEFT             |
| 36           | 75783-0150  | OPTION 2       | T/H 3.18         | RIGHT            |
| 36           | 75783-0151  | OPTION 2       | T/H 3.18         | DUAL             |
| 36           | 75783-0152  | OPTION 2       | T/H 3.18         | UNIVERSAL        |
| 36           | 75783-0153  | OPTION 1       | T/H 3.56         | LEFT             |
| 36           | 75783-0154  | OPTION 1       | T/H 3.56         | RIGHT            |
| 36           | 75783-0155  | OPTION 1       | T/H 3.56         | DUAL             |
| 36           | 75783-0156  | OPTION 1       | T/H 3.56         | UNIVERSAL        |
| 36           | 75783-0157  | OPTION 2       | T/H 3.56         | LEFT             |
| 36           | 75783-0158  | OPTION 2       | T/H 3.56         | RIGHT            |
| 36           | 75783-0159  | OPTION 2       | T/H 3.56         | DUAL             |
| 36           | 75783-0160  | OPTION 2       | T/H 3.56         | UNIVERSAL        |

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|                                                                                                     |                               |                                                                                                                                  |  |                            |                  |                                                                           |                          |                        |  |
|-----------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--|----------------------------|------------------|---------------------------------------------------------------------------|--------------------------|------------------------|--|
| ENTER DESCRIPTION<br>EC NO: UCP2010-1913<br>DRAWN BY: DRWNLKANG<br>CHKD: JSWENSON<br>APPR: MBANAKIS | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                            |  | DIMENSION STYLE<br>MM ONLY |                  | SCALE<br>2:1                                                              | DESIGN UNITS<br>METRIC   | THIRD ANGLE PROJECTION |  |
|                                                                                                     |                               |                                                                                                                                  |  | DRAWN BY<br>KLANG          | DATE<br>02/09/05 | TITLE<br>I-PASS R/A CONNECTOR<br>INTERNAL ASSY W/SHELL<br>0.8MM PITCH I/O |                          |                        |  |
|                                                                                                     |                               |                                                                                                                                  |  | CHECKED BY<br>JSWENSON     | DATE<br>02/09/05 |                                                                           |                          |                        |  |
|                                                                                                     |                               |                                                                                                                                  |  | APPROVED BY<br>MBANAKIS    |                  | DATE<br>02/02/05                                                          | MOLEX MOLEX INCORPORATED |                        |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                          |                               | MATERIAL NO.                                                                                                                     |  | SEE CHART                  |                  | DOCUMENT NO.<br>SD-75783-001                                              |                          | SHEET NO.<br>6 OF 12   |  |
| SIZE<br>C                                                                                           |                               | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                            |                  |                                                                           |                          |                        |  |

50 CIRCUIT ITEM NUMBERS

| CIRCUIT SIZE | ITEM NUMBER | PLATING OPTION | SHELL PCB OPTION | SHELL KEY OPTION |
|--------------|-------------|----------------|------------------|------------------|
| 50           | 75783-0207  | OPTION 1       | RETENTION        | LEFT             |
| 50           | 75783-0208  | OPTION 1       | RETENTION        | RIGHT            |
| 50           | 75783-0209  | OPTION 1       | RETENTION        | DUAL             |
| 50           | 75783-0210  | OPTION 1       | SMT              | LEFT             |
| 50           | 75783-0211  | OPTION 1       | SMT              | RIGHT            |
| 50           | 75783-0212  | OPTION 1       | SMT              | DUAL             |
| 50           | 75783-0219  | OPTION 2       | RETENTION        | LEFT             |
| 50           | 75783-0220  | OPTION 2       | RETENTION        | RIGHT            |
| 50           | 75783-0221  | OPTION 2       | RETENTION        | DUAL             |
| 50           | 75783-0222  | OPTION 2       | SMT              | LEFT             |
| 50           | 75783-0223  | OPTION 2       | SMT              | RIGHT            |
| 50           | 75783-0224  | OPTION 2       | SMT              | DUAL             |
| 50           | 75783-0225  | OPTION 1       | RETENTION        | UNIVERSAL        |
| 50           | 75783-0226  | OPTION 1       | SMT              | UNIVERSAL        |
| 50           | 75783-0227  | OPTION 2       | RETENTION        | UNIVERSAL        |
| 50           | 75783-0228  | OPTION 2       | SMT              | UNIVERSAL        |
| 50           | 75783-0229  | OPTION 1       | T/H 1.96         | LEFT             |
| 50           | 75783-0230  | OPTION 1       | T/H 1.96         | RIGHT            |
| 50           | 75783-0231  | OPTION 1       | T/H 1.96         | DUAL             |
| 50           | 75783-0232  | OPTION 1       | T/H 1.96         | UNIVERSAL        |
| 50           | 75783-0233  | OPTION 2       | T/H 1.96         | LEFT             |
| 50           | 75783-0234  | OPTION 2       | T/H 1.96         | RIGHT            |
| 50           | 75783-0235  | OPTION 2       | T/H 1.96         | DUAL             |
| 50           | 75783-0236  | OPTION 2       | T/H 1.96         | UNIVERSAL        |

| CIRCUIT SIZE | ITEM NUMBER | PLATING OPTION | SHELL PCB OPTION | SHELL KEY OPTION |
|--------------|-------------|----------------|------------------|------------------|
| 50           | 75783-0237  | OPTION 1       | T/H 2.79         | LEFT             |
| 50           | 75783-0238  | OPTION 1       | T/H 2.79         | RIGHT            |
| 50           | 75783-0239  | OPTION 1       | T/H 2.79         | DUAL             |
| 50           | 75783-0240  | OPTION 1       | T/H 2.79         | UNIVERSAL        |
| 50           | 75783-0241  | OPTION 2       | T/H 2.79         | LEFT             |
| 50           | 75783-0242  | OPTION 2       | T/H 2.79         | RIGHT            |
| 50           | 75783-0243  | OPTION 2       | T/H 2.79         | DUAL             |
| 50           | 75783-0244  | OPTION 2       | T/H 2.79         | UNIVERSAL        |
| 50           | 75783-0245  | OPTION 1       | T/H 3.18         | LEFT             |
| 50           | 75783-0246  | OPTION 1       | T/H 3.18         | RIGHT            |
| 50           | 75783-0247  | OPTION 1       | T/H 3.18         | DUAL             |
| 50           | 75783-0248  | OPTION 1       | T/H 3.18         | UNIVERSAL        |
| 50           | 75783-0249  | OPTION 2       | T/H 3.18         | LEFT             |
| 50           | 75783-0250  | OPTION 2       | T/H 3.18         | RIGHT            |
| 50           | 75783-0251  | OPTION 2       | T/H 3.18         | DUAL             |
| 50           | 75783-0252  | OPTION 2       | T/H 3.18         | UNIVERSAL        |

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|                                                                                                                                         |                               |                                                                                                                                  |  |                            |                  |                                                                                                       |                        |                        |  |
|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--|----------------------------|------------------|-------------------------------------------------------------------------------------------------------|------------------------|------------------------|--|
| SEE SHEET 1<br>EC NO: UCP2010-1913<br>2010/02/03<br>DRAWN BY: DRWNKLANG<br>CHKD: JSWENSON<br>2010/03/24<br>APPR: MBANAKIS<br>2010/03/25 | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                            |  | DIMENSION STYLE<br>MM ONLY |                  | SCALE<br>2:1                                                                                          | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION |  |
|                                                                                                                                         |                               |                                                                                                                                  |  | DRAWN BY<br>KLANG          | DATE<br>02/09/05 | TITLE<br>I-PASS R/A CONNECTOR<br>INTERNAL ASSY W/SHELL<br>0.8MM PITCH I/O<br>MOLEX MOLEX INCORPORATED |                        |                        |  |
|                                                                                                                                         |                               |                                                                                                                                  |  | CHECKED BY<br>JSWENSON     | DATE<br>02/09/05 |                                                                                                       |                        |                        |  |
|                                                                                                                                         |                               |                                                                                                                                  |  | APPROVED BY<br>MBANAKIS    | DATE<br>02/02/05 |                                                                                                       |                        |                        |  |
|                                                                                                                                         |                               |                                                                                                                                  |  | MATERIAL NO.               |                  | DOCUMENT NO.                                                                                          |                        | SHEET NO.              |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                              |                               | SEE CHART                                                                                                                        |  | SD-75783-001               |                  | 7 OF 12                                                                                               |                        |                        |  |
| SIZE                                                                                                                                    |                               | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                            |                  |                                                                                                       |                        |                        |  |

# 68 CIRCUIT ITEM NUMBERS

| CIRCUIT SIZE | ITEM NUMBER | PLATING OPTION | SHELL PCB OPTION | SHELL KEY OPTION |
|--------------|-------------|----------------|------------------|------------------|
| 68           | 75783-0307  | OPTION 1       | RETENTION        | LEFT             |
| 68           | 75783-0308  | OPTION 1       | RETENTION        | RIGHT            |
| 68           | 75783-0309  | OPTION 1       | RETENTION        | DUAL             |
| 68           | 75783-0310  | OPTION 1       | SMT              | LEFT             |
| 68           | 75783-0311  | OPTION 1       | SMT              | RIGHT            |
| 68           | 75783-0312  | OPTION 1       | SMT              | DUAL             |
| 68           | 75783-0319  | OPTION 2       | RETENTION        | LEFT             |
| 68           | 75783-0320  | OPTION 2       | RETENTION        | RIGHT            |
| 68           | 75783-0321  | OPTION 2       | RETENTION        | DUAL             |
| 68           | 75783-0322  | OPTION 2       | SMT              | LEFT             |
| 68           | 75783-0323  | OPTION 2       | SMT              | RIGHT            |
| 68           | 75783-0324  | OPTION 2       | SMT              | DUAL             |
| 68           | 75783-0325  | OPTION 1       | RETENTION        | UNIVERSAL        |
| 68           | 75783-0326  | OPTION 1       | SMT              | UNIVERSAL        |
| 68           | 75783-0327  | OPTION 2       | RETENTION        | UNIVERSAL        |
| 68           | 75783-0328  | OPTION 2       | SMT              | UNIVERSAL        |
| 68           | 75783-0329  | OPTION 1       | T/H 1.96         | LEFT             |
| 68           | 75783-0330  | OPTION 1       | T/H 1.96         | RIGHT            |
| 68           | 75783-0331  | OPTION 1       | T/H 1.96         | DUAL             |
| 68           | 75783-0332  | OPTION 1       | T/H 1.96         | UNIVERSAL        |
| 68           | 75783-0333  | OPTION 2       | T/H 1.96         | LEFT             |
| 68           | 75783-0334  | OPTION 2       | T/H 1.96         | RIGHT            |
| 68           | 75783-0335  | OPTION 2       | T/H 1.96         | DUAL             |
| 68           | 75783-0336  | OPTION 2       | T/H 1.96         | UNIVERSAL        |

| CIRCUIT SIZE | ITEM NUMBER | PLATING OPTION | SHELL PCB OPTION | SHELL KEY OPTION |
|--------------|-------------|----------------|------------------|------------------|
| 68           | 75783-0337  | OPTION 1       | T/H 2.79         | LEFT             |
| 68           | 75783-0338  | OPTION 1       | T/H 2.79         | RIGHT            |
| 68           | 75783-0339  | OPTION 1       | T/H 2.79         | DUAL             |
| 68           | 75783-0340  | OPTION 1       | T/H 2.79         | UNIVERSAL        |
| 68           | 75783-0341  | OPTION 2       | T/H 2.79         | LEFT             |
| 68           | 75783-0342  | OPTION 2       | T/H 2.79         | RIGHT            |
| 68           | 75783-0343  | OPTION 2       | T/H 2.79         | DUAL             |
| 68           | 75783-0344  | OPTION 2       | T/H 2.79         | UNIVERSAL        |
| 68           | 75783-0345  | OPTION 1       | T/H 3.18         | LEFT             |
| 68           | 75783-0346  | OPTION 1       | T/H 3.18         | RIGHT            |
| 68           | 75783-0347  | OPTION 1       | T/H 3.18         | DUAL             |
| 68           | 75783-0348  | OPTION 1       | T/H 3.18         | UNIVERSAL        |
| 68           | 75783-0349  | OPTION 2       | T/H 3.18         | LEFT             |
| 68           | 75783-0350  | OPTION 2       | T/H 3.18         | RIGHT            |
| 68           | 75783-0351  | OPTION 2       | T/H 3.18         | DUAL             |
| 68           | 75783-0352  | OPTION 2       | T/H 3.18         | UNIVERSAL        |

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| <b>SEE SHEET 1</b><br>EC NO: UCP2010-1913<br>2010/02/03<br>DRWN:KLANG<br>2010/03/24<br>CHKD:JSWENSON<br>2010/03/25<br>APPR:MBANAKIS | QUALITY SYMBOLS<br>▼=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                                                                                                                                                                                                   |       | DIMENSION STYLE<br><b>MM ONLY</b> |    | SCALE<br><b>2:1</b> | DESIGN UNITS<br><b>METRIC</b> | THIRD ANGLE PROJECTION |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                    |  |
|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------|----|---------------------|-------------------------------|------------------------|-------|----------|-------|-------|----------|--------|-------|---------|--------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|------|-------|----------|------------|------|----------|----------|-------------|------|----------|----------|------------------------------------------------------------------------------------------------------------------------------------|--|
|                                                                                                                                     |                               | <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.13</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.25</td> <td>± ---</td> </tr> </table> |       |                                   | mm | INCH                | 4 PLACES                      | ± ---                  | ± --- | 3 PLACES | ± --- | ± --- | 2 PLACES | ± 0.13 | ± --- | 1 PLACE | ± 0.25 | ± --- | <table border="1"> <tr> <td>DRAWN BY</td> <td>DATE</td> </tr> <tr> <td>KLANG</td> <td>02/09/05</td> </tr> <tr> <td>CHECKED BY</td> <td>DATE</td> </tr> <tr> <td>JSWENSON</td> <td>02/09/05</td> </tr> <tr> <td>APPROVED BY</td> <td>DATE</td> </tr> <tr> <td>MBANAKIS</td> <td>02/02/05</td> </tr> </table> |  | DRAWN BY | DATE | KLANG | 02/09/05 | CHECKED BY | DATE | JSWENSON | 02/09/05 | APPROVED BY | DATE | MBANAKIS | 02/02/05 | <b>TITLE</b><br><b>I-PASS R/A CONNECTOR</b><br><b>INTERNAL ASSY W/SHELL</b><br><b>0.8MM PITCH I/O</b><br><b>MOLEX INCORPORATED</b> |  |
|                                                                                                                                     |                               |                                                                                                                                                                                                                                                                                                                         | mm    | INCH                              |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                    |  |
|                                                                                                                                     |                               | 4 PLACES                                                                                                                                                                                                                                                                                                                | ± --- | ± ---                             |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                    |  |
|                                                                                                                                     |                               | 3 PLACES                                                                                                                                                                                                                                                                                                                | ± --- | ± ---                             |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                    |  |
| 2 PLACES                                                                                                                            | ± 0.13                        | ± ---                                                                                                                                                                                                                                                                                                                   |       |                                   |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                    |  |
| 1 PLACE                                                                                                                             | ± 0.25                        | ± ---                                                                                                                                                                                                                                                                                                                   |       |                                   |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                    |  |
| DRAWN BY                                                                                                                            | DATE                          |                                                                                                                                                                                                                                                                                                                         |       |                                   |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                    |  |
| KLANG                                                                                                                               | 02/09/05                      |                                                                                                                                                                                                                                                                                                                         |       |                                   |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                    |  |
| CHECKED BY                                                                                                                          | DATE                          |                                                                                                                                                                                                                                                                                                                         |       |                                   |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                    |  |
| JSWENSON                                                                                                                            | 02/09/05                      |                                                                                                                                                                                                                                                                                                                         |       |                                   |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                    |  |
| APPROVED BY                                                                                                                         | DATE                          |                                                                                                                                                                                                                                                                                                                         |       |                                   |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                    |  |
| MBANAKIS                                                                                                                            | 02/02/05                      |                                                                                                                                                                                                                                                                                                                         |       |                                   |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                    |  |
| ANGULAR ±1/2°                                                                                                                       |                               | MATERIAL NO.                                                                                                                                                                                                                                                                                                            |       |                                   |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                    |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                |                               | <b>SEE CHART</b><br>DOCUMENT NO.                                                                                                                                                                                                                                                                                        |       |                                   |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                    |  |
| SIZE C                                                                                                                              |                               | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION                                                                                                                                                                                           |       | SHEET NO.<br>8 OF 12              |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                    |  |

## -



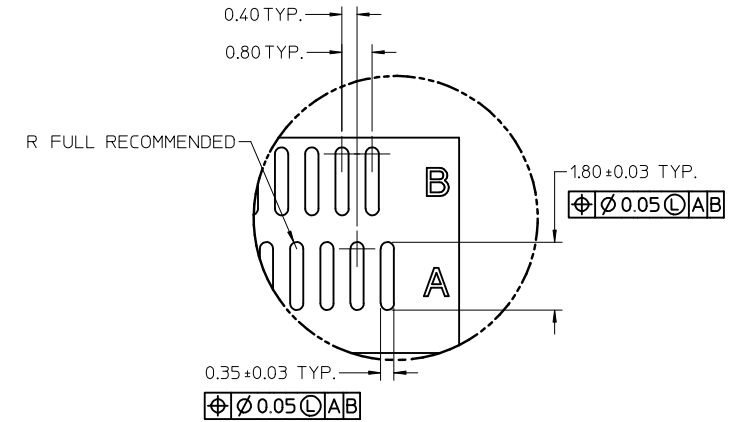
F

E

E

**A**

RIGHT ANGLE CONNECTOR  
WITH SMT SHELL  
PCB FOOT PRINT



|              | PEG TO PEG | FIRST PAD TO LAST PAD | CENTERLINE TO PAD | CENTERLINE TO PAD | CONNECTOR WIDTH SHELL PEG TO PEG | SHELL FOOTPRINT WIDTH | CENTERLINE TO PAD EDGE |
|--------------|------------|-----------------------|-------------------|-------------------|----------------------------------|-----------------------|------------------------|
| CIRCUIT SIZE | DIM 'A'    | DIM 'B'               | DIM 'C'           | DIM 'D'           | DIM 'E'                          | DIM 'F'               | DIM 'G'                |
| 26           | 12.00      | 10.00                 | 4.60              | 5.00              | 13.80                            | 16.80                 | 6.825                  |
| 36           | 16.00      | 14.00                 | 6.60              | 7.00              | 17.80                            | 20.80                 | 8.825                  |
| 50           | 21.60      | 19.60                 | 9.40              | 9.80              | 23.40                            | 26.40                 | 11.625                 |
| 68           | 28.80      | 26.80                 | 13.00             | 13.40             | 30.60                            | 33.60                 | 15.225                 |

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|                                                                                                                              |                               |                                                                                                                                                                     |                                                                                                                                                                  |                                                                                                                                  |                                                                           |  |
|------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|--|
| SEE SHEET 1<br>EC NO: UCP2010-1913<br>2010/02/03<br>DRINKKLANG<br>CHKD:JSWENSON<br>2010/03/24<br>APPR:MBANAKIS<br>2010/03/25 | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± 0.13 ± ---<br>1 PLACE ± 0.25 ± ---<br>ANGULAR ± 1/2° | DIMENSION STYLE<br>MM ONLY<br>DRAWN BY<br>KLANK<br>DATE<br>02/09/05<br>CHECKED BY<br>JSWENSON<br>DATE<br>02/09/05<br>APPROVED BY<br>MBANAKIS<br>DATE<br>02/02/05 | SCALE<br>5:1<br>DESIGN UNITS<br>METRIC<br>THIRD ANGLE PROJECTION                                                                 | TITLE<br>I-PASS R/A CONNECTOR<br>INTERNAL ASSY W/SHELL<br>0.8MM PITCH I/O |  |
|                                                                                                                              |                               |                                                                                                                                                                     |                                                                                                                                                                  |                                                                                                                                  | MOLEX INCORPORATED                                                        |  |
|                                                                                                                              |                               |                                                                                                                                                                     |                                                                                                                                                                  |                                                                                                                                  | DOCUMENT NO.<br>SD-75783-001                                              |  |
|                                                                                                                              |                               |                                                                                                                                                                     |                                                                                                                                                                  |                                                                                                                                  | SHEET NO.<br>10 OF 12                                                     |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                   |                               |                                                                                                                                                                     | SIZE<br>C                                                                                                                                                        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                           |  |

RIGHT ANGLE CONNECTOR WITH SHELL  
PCB FOOT PRINT DESCRIPTIONS



36 CIRCUIT SHOWN

NOTE: IF RECEPTACLE AND SHELL  
ARE NOT PLACED AT EDGE  
OF PCB AS SHOWN, ADDITIONAL  
CLEARANCE IS NEEDED FOR  
BODY OF PLUG AND CABLE

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|                                                                                        |                                   |                                                            |                                       |                                                                                                                                  |                            |                        |                  |                                                                                                     |                                                                                                              |           |
|----------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------|------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------|
| SEE SHEET 1<br>EC NO: UCP2010-1913<br>DRAWN: KLANG<br>CHKD: JSWENSON<br>APPR: MBANAKIS | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | DESCRIPTION                                                | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                                                                                                                  | DIMENSION STYLE<br>MM ONLY |                        | SCALE<br>5:1     | DESIGN UNITS<br>METRIC                                                                              |  THIRD ANGLE PROJECTION |           |
|                                                                                        |                                   |                                                            |                                       | mm                                                                                                                               | INCH                       | DRAWN BY<br>KLANG      | DATE<br>02/09/05 | TITLE<br>I-PASS R/A CONNECTOR<br>INTERNAL ASSY W/SHELL<br>0.8MM PITCH I/O<br><br>MOLEX INCORPORATED |                                                                                                              |           |
|                                                                                        |                                   |                                                            | 4 PLACES                              | ± ---                                                                                                                            | ± ---                      | CHECKED BY<br>JSWENSON | DATE<br>02/09/05 |                                                                                                     |                                                                                                              |           |
|                                                                                        |                                   |                                                            | 3 PLACES                              | ± ---                                                                                                                            | ± ---                      | APPROVED BY            | DATE             |                                                                                                     |                                                                                                              |           |
|                                                                                        |                                   |                                                            | 2 PLACES                              | ± 0.13                                                                                                                           | ± ---                      | MBANAKIS               | 02/02/05         |                                                                                                     |                                                                                                              |           |
|                                                                                        |                                   |                                                            | 1 PLACE                               | ± 0.25                                                                                                                           | ± ---                      | MATERIAL NO.           |                  | DOCUMENT NO.                                                                                        |                                                                                                              | SHEET NO. |
|                                                                                        |                                   |                                                            | ANGULAR ±1/2°                         |                                                                                                                                  | SEE CHART                  |                        | SD-75783-001     |                                                                                                     |                                                                                                              | 11 OF 12  |
| D1                                                                                     | REV                               | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                            |                        |                  |                                                                                                     |                                                                                                              |           |

# MATING INTERFACE (FOR REFERENCE ONLY)



## NOTES:

1. PAD CONFIGURATION FOR FIRST MATE.
2. PAD CONFIGURATION FOR SECOND MATE.
3. PAD CONFIGURATION FOR THIRD MATE.  
(HIGH SPEED SIGNALS)
4. FOR PIN ASSIGNMENTS AND MATING SEQUENCE  
(1ST, 2ND, 3RD), SEE APPLICABLE  
SPECIFICATION.
5. MINIMUM STEP REQUIRED IF PCB MADE  
WIDER THAN TOUNGE.

| CIRCUIT<br>SIZE | TERM/SIDE<br>'N' | DIM 'B' | DIM 'C' | DIM 'D' | DIM 'E' |
|-----------------|------------------|---------|---------|---------|---------|
| 26              | 13               | 9.60    | 4.60    | 5.00    | 11.60   |
| 36              | 18               | 13.60   | 6.60    | 7.00    | 15.60   |
| 50              | 25               | 19.20   | 9.40    | 9.80    | 21.20   |
| 68              | 34               | 26.40   | 13.00   | 13.40   | 28.40   |

|                                                                                                                             |                    |
|-----------------------------------------------------------------------------------------------------------------------------|--------------------|
| SEE SHEET 1<br>EC NO: UCP2010-1913<br>2010/02/03<br>DRW:KLANG<br>CHKD:JSWENSON<br>2010/03/24<br>APPR:MBANAKIS<br>2010/03/25 | QUALITY<br>SYMBOLS |
|                                                                                                                             | ▽=0                |
|                                                                                                                             | ▽=0                |
|                                                                                                                             | REV DESCRIPTION    |

| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |       |
|------------------------------------------------------------|-------|
| mm                                                         | INCH  |
| 4 PLACES ± ---                                             | ± --- |
| 3 PLACES ± ---                                             | ± --- |
| 2 PLACES ± 0.13                                            | ± --- |
| 1 PLACE ± 0.25                                             | ± --- |
| ANGULAR ± 1/2°                                             |       |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       |

| DIMENSION STYLE<br>MM ONLY |          |
|----------------------------|----------|
| DRAWN BY                   | DATE     |
| KLANG                      | 02/09/05 |
| CHECKED BY                 | DATE     |
| JSWENSON                   | 02/09/05 |
| APPROVED BY                | DATE     |
| MBANAKIS                   | 02/02/05 |
| MATERIAL NO.               |          |
| SIZE                       |          |
| SEE CHART                  |          |

|                                                                                                                 |                        |                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|
| SCALE<br>10:1                                                                                                   | DESIGN UNITS<br>METRIC |  THIRD ANGLE<br>PROJECTION |
| TITLE<br>I-PASS R/A CONNECTOR<br>INTERNAL ASSY W/SHELL<br>0.8MM PITCH I/O                                       |                        |                                                                                                                 |
|  MOLEX INCORPORATED        |                        |                                                                                                                 |
| DOCUMENT NO.<br>SD-75783-001                                                                                    |                        | SHEET NO.<br>12 OF 12                                                                                           |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                                                                                                                 |

## 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

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