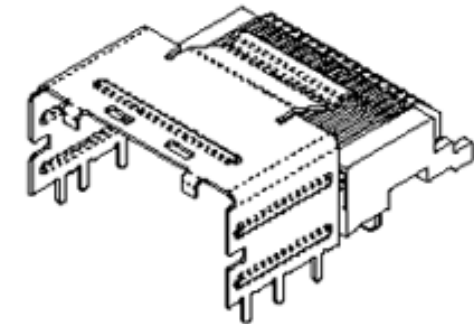


PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [0757830143](#)  
**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, Dual Key



Series

image - Reference only

**Documents:**

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

**Agency Certification**

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

**General**

|                |                                              |
|----------------|----------------------------------------------|
| Product Family | I/O Connectors                               |
| Series         | <a href="#">75783</a>                        |
| Application    | Wire-to-Board                                |
| Comments       | Positive or passive latching cable available |
| Component Type | Receptacle                                   |
| Overview       | <a href="#">ipass</a>                        |
| 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) | 0.110 In                                         |
| PCB Thickness Recommended (mm) | 2.79 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 |

**Material Info**

**Reference - Drawing Numbers**

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

This document was generated on 05/28/2010

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



# 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 - 0.384mm MIN GOLD OVER 2.54 4mm NICKEL

SOLDER FOOT AREA - 2.54-5.094mm TIN OVER 1.27 4mm NICKEL

#### OPTION 2

CONTACT AREA - 0.764mm MIN GOLD OVER 2.54 4mm NICKEL

SOLDER FOOT AREA - 2.54-5.094mm TIN OVER 1.27 4mm 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

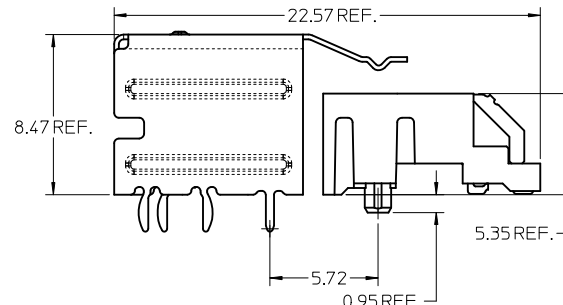
## 8. CONFORMS TO PRODUCT SPECIFICATION: PS-75783-001

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

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



36 CIRCUIT  
RETENTION FIT  
SHELL OPTION SHOWN



| CIRCUIT 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       | ± .005 | ± .0004 |
| 3 PLACES       | ± .005 | ± .0004 |
| 2 PLACES       | ± .013 | ± .0005 |
| 1 PLACE        | ± 0.25 | ± .010  |
| ANGULAR ± 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

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

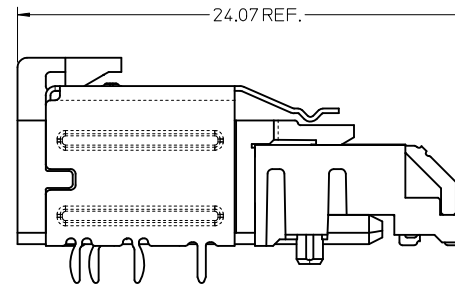
# ASSEMBLY WITH PRE-POSITION DEVICE



PICK & PLACE  
NOZZLE AREA



36 CIRCUIT RETENTION-FIT SHELL OPTION SHOWN



## NOTES:

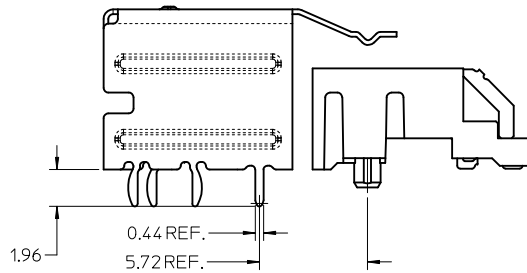
1. PICK AND PLACE AREA DEFINED IN APPLICATION SPECIFICATION, AS-75783-001
2. PACKAGING CONSISTS OF CONNECTOR AND SHELL WITH A PRE-POSITIONING PICK AND PLACE DEVICE THAT ARE PACKAGED IN "TAPE AND REEL" FOR ROBOTIC PICK AND PLACE.

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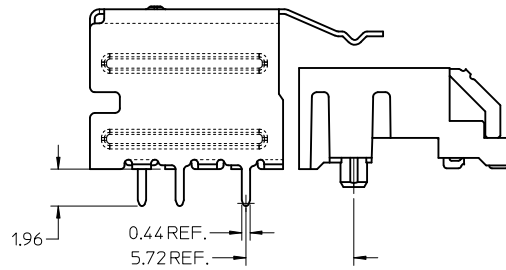
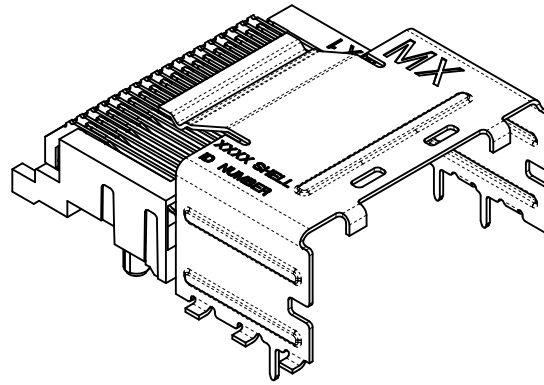
| CIRCUIT SIZE | DIM 'D' |
|--------------|---------|
| 26           | 15.50   |
| 36           | 19.50   |
| 50           | 25.10   |
| 68           | 32.30   |

|             |                                                                                                              |             |                                       |                                                            |        |                            |                                                                                                                               |              |                        |                                                                                                              |                                                                                                          |  |
|-------------|--------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------|------------------------------------------------------------|--------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--|
| SEE SHEET 1 | 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 | DESCRIPTION | QUALITY SYMBOLS<br><br>▽=0<br><br>▽=0 | 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                                |  |
|             |                                                                                                              |             |                                       | 4 PLACES                                                   | ± ---  | ± ---                      | CHECKED BY<br>JSWENSON                                                                                                        |              | DATE<br>02/09/05       |                                                                                                              |  MOLEX INCORPORATED |  |
|             |                                                                                                              |             |                                       | 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 |                        | 2 OF 12                                                                                                      |                                                                                                          |  |
|             |                                                                                                              | REV         |                                       | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        | SIZE                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                        |                                                                                                              |                                                                                                          |  |

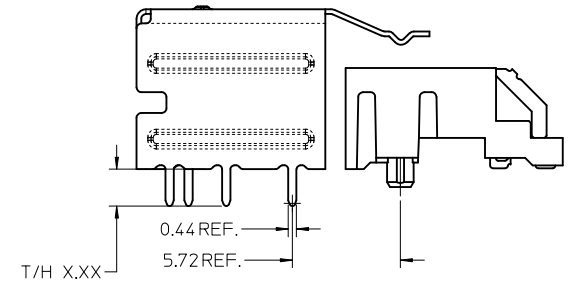
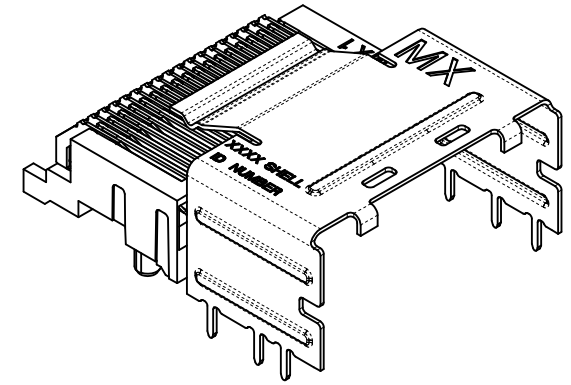
# SHELL PCB INTERFACE



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<br>EC NO: UCP2010-1913<br>DRAWN BY: DRWNLKANG<br>CHKD: JSWENSON<br>APPR: MBANAKIS<br>D1 | 2010/02/03<br>2010/03/24<br>2010/03/25 | DESCRIPTION | REV | QUALITY SYMBOLS<br><div>▽=0</div> <div>▽=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>5:1                                                                                                                     | 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                                                  |                                                                                                              |                      |  |
|                                                                                                     |                                        |             |     |                                                  |                                                            |  | MATERIAL NO.               |  | DOCUMENT NO.                                                                                                                     |                                                                           |                                                                                                              | SHEET NO.<br>3 OF 12 |  |
|                                                                                                     |                                        |             |     |                                                  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | SEE CHART                  |  | SD-75783-001                                                                                                                     |                                                                           |                                                                                                              |                      |  |
|                                                                                                     |                                        |             |     |                                                  |                                                            |  | SIZE<br>C                  |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                           |                                                                                                              |                      |  |
|                                                                                                     |                                        |             |     |                                                  |                                                            |  |                            |  |                                                                                                                                  |                                                                           |                                                                                                              |                      |  |
|                                                                                                     |                                        |             |     |                                                  |                                                            |  |                            |  |                                                                                                                                  |                                                                           |                                                                                                              |                      |  |
|                                                                                                     |                                        |             |     |                                                  |                                                            |  |                            |  |                                                                                                                                  |                                                                           |                                                                                                              |                      |  |

# 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

DOCUMENT NO. SD-75783-001

SHEET NO. 4 OF 12

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

MOLEX INCORPORATED

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  
DRAWN BY  
DRWN:KLANG  
2010/03/24  
CHKD:JSWENSON  
2010/03/25  
APPR:MBANAK I S

REV  
D1

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  
KLANG  
DATE  
02/09/05  
CHECKED BY  
JSWENSON  
DATE  
02/09/05  
APPROVED BY  
MBANAK I S  
DATE  
02/02/05  
MATERIAL NO.  
SEE CHART

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

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INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

## 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: DRWNKLANG<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>DRWN:KLANG<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 INCORPORATED |                        |                        |  |
|                                                                                                                              |                               |                                       |  | CHECKED BY<br>JSWENSON                                                                                                           | DATE<br>02/09/05 |                                                                                                 |                        |                        |  |
|                                                                                                                              |                               |                                       |  | APPROVED BY<br>MBANAKIS                                                                                                          | DATE<br>02/02/05 |                                                                                                 |                        |                        |  |
|                                                                                                                              |                               |                                       |  | ANGULAR ±1/2°                                                                                                                    |                  | MATERIAL NO.                                                                                    |                        | DOCUMENT NO.           |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                   |                               | SEE CHART                             |  | SD-75783-001                                                                                                                     |                  | 7 OF 12                                                                                         |                        |                        |  |
| D1                                                                                                                           |                               | SIZE C                                |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                  |                                                                                                 |                        |                        |  |

# 68 CIRCUIT ITEM NUMBERS

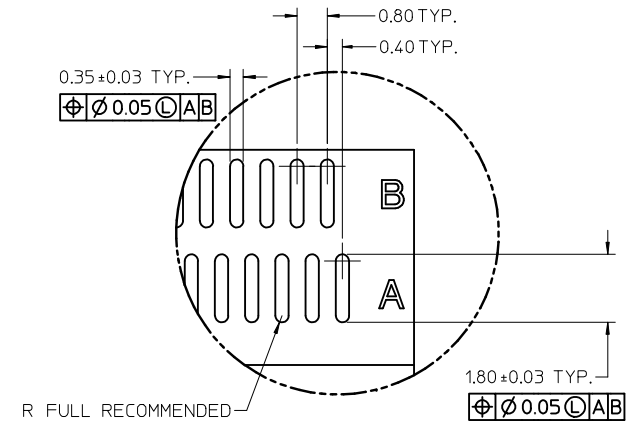
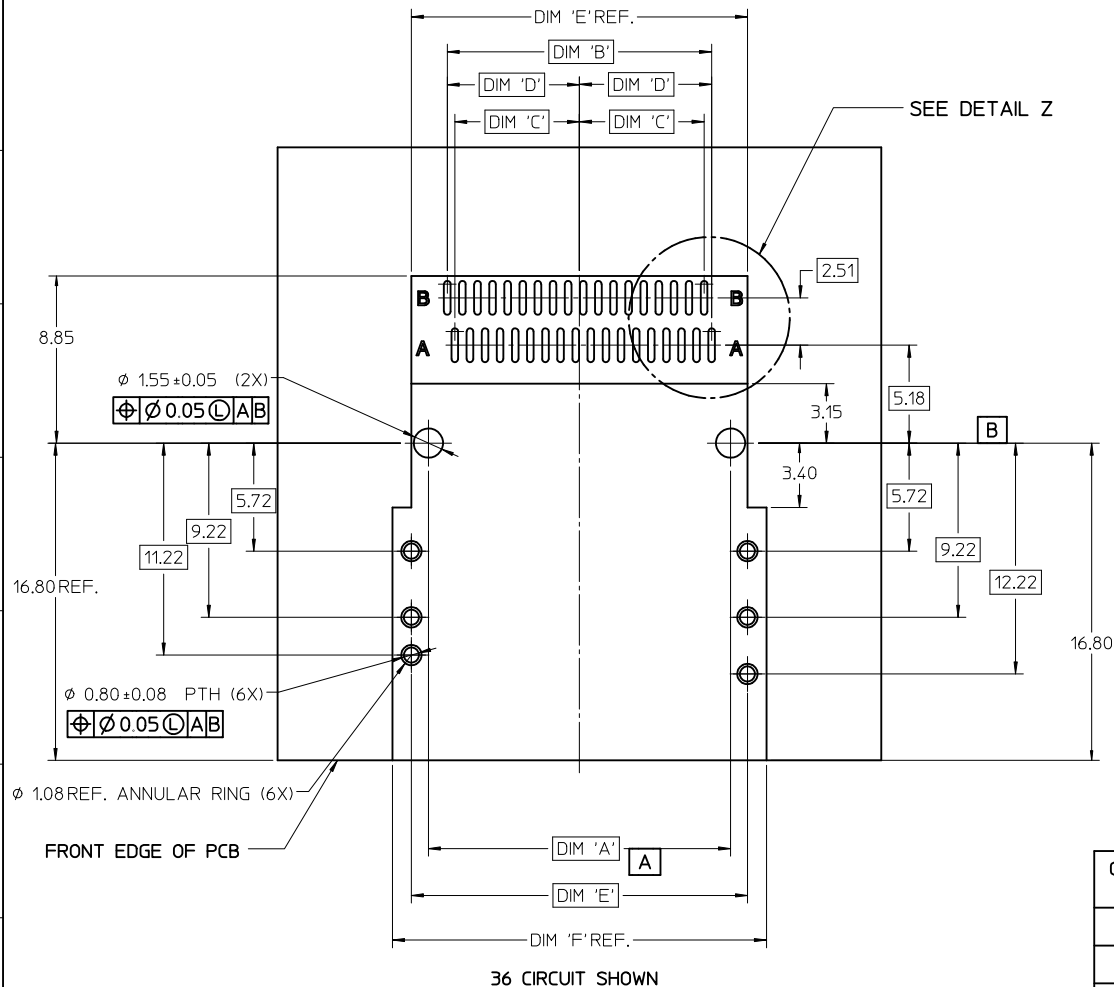
| CIRCUIT SIZE | ITEM NUMBER | PLATING OPTION | SHELL PCB OPTION | SHELL KEY OPTION |
|--------------|-------------|----------------|------------------|------------------|
| 68           | 75783-0307  | OPTION 1       | RETENTION        | LEFT             |
| 68           | 75783-0308  | OPTION 1       | 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>± .005</td> <td>± .0004</td> </tr> <tr> <td>3 PLACES</td> <td>± .005</td> <td>± .0004</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.13</td> <td>± .005</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.25</td> <td>± .010</td> </tr> </table> |        |                                   | mm | INCH                | 4 PLACES                      | ± .005                 | ± .0004 | 3 PLACES | ± .005 | ± .0004 | 2 PLACES | ± 0.13 | ± .005 | 1 PLACE | ± 0.25 | ± .010 | <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                                                                                                                                                                                                                                                                                                                        | ± .005 | ± .0004                           |    |                     |                               |                        |         |          |        |         |          |        |        |         |        |        |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                    |  |
|                                                                                                                                     |                               | 3 PLACES                                                                                                                                                                                                                                                                                                                        | ± .005 | ± .0004                           |    |                     |                               |                        |         |          |        |         |          |        |        |         |        |        |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                    |  |
| 2 PLACES                                                                                                                            | ± 0.13                        | ± .005                                                                                                                                                                                                                                                                                                                          |        |                                   |    |                     |                               |                        |         |          |        |         |          |        |        |         |        |        |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                    |  |
| 1 PLACE                                                                                                                             | ± 0.25                        | ± .010                                                                                                                                                                                                                                                                                                                          |        |                                   |    |                     |                               |                        |         |          |        |         |          |        |        |         |        |        |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                    |  |
| 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.<br><b>SEE CHART</b>                                                                                                                                                                                                                                                                                                |        |                                   |    |                     |                               |                        |         |          |        |         |          |        |        |         |        |        |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                    |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                |                               | DOCUMENT NO.<br><b>SD-75783-001</b>                                                                                                                                                                                                                                                                                             |        | SHEET NO.<br><b>8 OF 12</b>       |    |                     |                               |                        |         |          |        |         |          |        |        |         |        |        |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                    |  |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION       |                               |                                                                                                                                                                                                                                                                                                                                 |        |                                   |    |                     |                               |                        |         |          |        |         |          |        |        |         |        |        |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                    |  |

RIGHT ANGLE CONNECTOR  
WITH RETENTION FIT & THRU-HOLE 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 |
|--------------|------------|-----------------------|-------------------|-------------------|----------------------------------|-----------------------|
| CIRCUIT SIZE | DIM 'A'    | DIM 'B'               | DIM 'C'           | DIM 'D'           | DIM 'E'                          | DIM 'F'               |
| 26           | 12.00      | 10.00                 | 4.60              | 5.00              | 13.80                            | 15.80                 |
| 36           | 16.00      | 14.00                 | 6.60              | 7.00              | 17.80                            | 19.80                 |
| 50           | 21.60      | 19.60                 | 9.40              | 9.80              | 23.40                            | 25.40                 |
| 68           | 28.80      | 26.80                 | 13.00             | 13.40             | 30.60                            | 32.60                 |

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|                                                                                                                               |             |                                   |                                                                                                                                  |        |                            |                           |                  |                                                                           |                        |                      |  |  |
|-------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------|---------------------------|------------------|---------------------------------------------------------------------------|------------------------|----------------------|--|--|
| SEE SHEET 1<br>EC NO: UCP2010-1913<br>2010/02/03<br>DRUNKLANG<br>CHKD: JSWENSON<br>2010/03/24<br>APPR: MBANAKIS<br>2010/03/25 | DESCRIPTION | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | 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 |                        |                      |  |  |
|                                                                                                                               |             |                                   | 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 | ± ---                      | MOLEX INCORPORATED        |                  |                                                                           |                        |                      |  |  |
|                                                                                                                               |             |                                   | 1 PLACE                                                                                                                          | ± 0.25 | ± ---                      |                           |                  |                                                                           |                        |                      |  |  |
|                                                                                                                               |             |                                   | ANGULAR ±1/2°                                                                                                                    |        |                            | MATERIAL NO.<br>SEE CHART |                  | DOCUMENT NO.<br>SD-75783-001                                              |                        | SHEET NO.<br>9 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 |        |                            |                           |                  |                                                                           |                        |                      |  |  |

RIGHT ANGLE CONNECTOR  
WITH SMT SHELL  
PCB FOOT PRINT



DETAIL Y  
SCALE 10:1

|              | 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                 |

iPass™ IS A TRADEMARK OF MOLEX

SEE SHEET 1

EC NO: UCP2010-1913

DRWN: KLANG

CHKD: JSWENSON

APPR: MBANAKIS

REV

2010/02/03

2010/03/24

2010/03/25

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     |
| KLANK       | 02/09/05 |
| CHECKED BY  | DATE     |
| JSWENSON    | 02/09/05 |
| APPROVED BY | DATE     |
| MBANAKIS    | 02/02/05 |

MATERIAL NO.

SEE CHART

SIZE

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.

10 OF 12

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

iPass™ IS A TRADEMARK OF MOLEX

|                                                                                                                                       |                                      |             |                                                            |        |                                                                                                                                  |             |              |                                                                                                          |                                                                                                                 |           |  |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------|------------------------------------------------------------|--------|----------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------|--|
| SEE SHEET 1<br>EC NO: UCP2010-1913<br>2010/02/03<br>DRAWN BY<br>KLANK<br>CHKD: JSWENSON<br>2010/03/24<br>APPR: MBANAKIS<br>2010/03/25 | QUALITY<br>SYMBOLS<br><br>▽=0<br>▽=0 | DESCRIPTION | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |        | DIMENSION STYLE<br>MM ONLY                                                                                                       |             | SCALE<br>5:1 | DESIGN UNITS<br>METRIC                                                                                   |  THIRD ANGLE<br>PROJECTION |           |  |
|                                                                                                                                       |                                      |             |                                                            | mm     | INCH                                                                                                                             | DRAWN BY    | DATE         | TITLE<br>I-PASS R/A CONNECTOR<br>INTERNAL ASSY W/SHELL<br>0.8MM PITCH I/O<br><br>MOLEX INCORPORATED      |                                                                                                                 |           |  |
|                                                                                                                                       |                                      |             | 4 PLACES                                                   | ± ---  | ± ---                                                                                                                            | KLANK       | 02/09/05     |                                                                                                          |                                                                                                                 |           |  |
|                                                                                                                                       |                                      |             | 3 PLACES                                                   | ± ---  | ± ---                                                                                                                            | CHECKED BY  | DATE         |                                                                                                          |                                                                                                                 |           |  |
|                                                                                                                                       |                                      |             | 2 PLACES                                                   | ± ---  | ± ---                                                                                                                            | JSWENSON    | 02/09/05     |                                                                                                          |                                                                                                                 |           |  |
|                                                                                                                                       |                                      |             | 1 PLACE                                                    | ± 0.13 | ± ---                                                                                                                            | APPROVED BY | DATE         |  MOLEX INCORPORATED |                                                                                                                 |           |  |
|                                                                                                                                       |                                      |             |                                                            | ± 0.25 | ± ---                                                                                                                            | MBANAKIS    | 02/02/05     |                                                                                                          |                                                                                                                 |           |  |
|                                                                                                                                       |                                      |             | ANGULAR ±1/2°                                              |        | MATERIAL NO.                                                                                                                     |             | DOCUMENT NO. |                                                                                                          |                                                                                                                 | SHEET NO. |  |
|                                                                                                                                       |                                      |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        | SEE CHART                                                                                                                        |             | SD-75783-001 |                                                                                                          |                                                                                                                 | 11 OF 12  |  |
|                                                                                                                                       |                                      |             | SIZE<br>C                                                  |        | 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 $\pm .005$                                        | $\pm .005$ |
| 3 PLACES $\pm .005$                                        | $\pm .005$ |
| 2 PLACES $\pm .013$                                        | $\pm .005$ |
| 1 PLACE $\pm 0.25$                                         | $\pm .005$ |
| ANGULAR $\pm 1/2^\circ$                                    |            |
| 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                       |          |
| C                          |          |

|                                                                                                                                  |                        |                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|
| 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>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                                                                                                                 |

## Данный компонент на территории Российской Федерации

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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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