

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

**Part Number:** [0757840142](#)  
**Status:** **Active**  
**Overview:** [ipass](#)  
**Description:** 0.80mm (.031") Pitch, iPass™ I/O SMT Receptacle, Vertical, Internal Application, 36 Circuit, 0.76µm (30µ") Gold (Au), Through Hole 2.79 Shell, Right Key

**Documents:**

[Application Specification \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#)

**Agency Certification**

CSA LR19980  
UL E29179

**General**

Product Family I/O Connectors  
Series [75784](#)  
Application Wire-to-Board  
Comments Positive or passive latching cable available  
Component Type Receptacle  
Overview [ipass](#)  
Product Name iPass™, PCI Express\*, SAS, Serial ATA  
Type N/A

**Physical**

Boot Color N/A  
Circuits (Loaded) 36  
Circuits (maximum) 36  
Color - Resin Black  
Durability (mating cycles max) 250  
Flammability 94V-0  
Gender Female  
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 Vertical  
PCB Locator Yes  
PCB Retention Yes  
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  
Ports 1  
Surface Mount Compatible (SMC) Yes



Series

image - Reference only

**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**

[75784Series](#)

**Mates With**

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

|                               |                             |
|-------------------------------|-----------------------------|
| Temperature Range - Operating | -40°C to +80°C              |
| Termination Interface: Style  | Surface Mount, Through Hole |
| Waterproof / Dustproof        | No                          |

**Electrical**

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

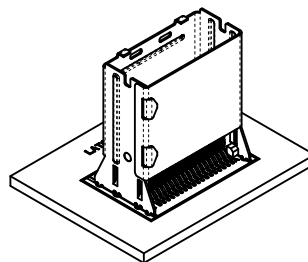
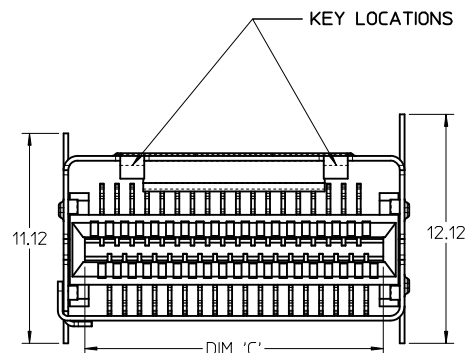
**Material Info**

**Reference - Drawing Numbers**

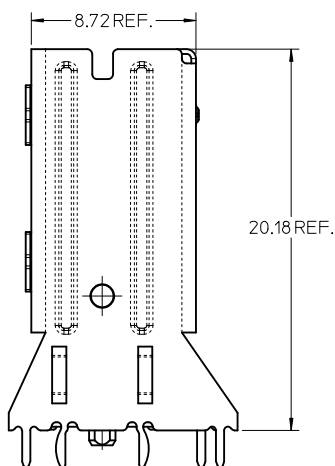
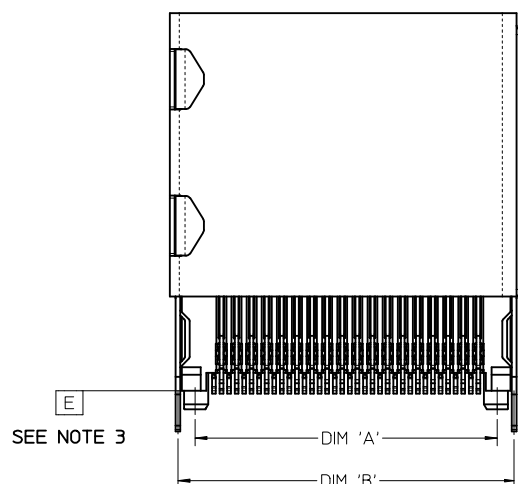
|                           |              |
|---------------------------|--------------|
| Application Specification | AS-75783-001 |
| Packaging Specification   | PK-75783-001 |
| Sales Drawing             | SD-75784-001 |

This document was generated on 05/28/2010

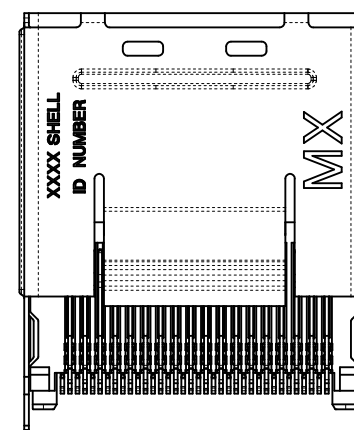
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- NOTES:
- MATERIAL:
    - CONNECTOR:
      - HOUSING - HIGH TEMPERATURE THERMOPLASTIC GLASS FILLED, UL 94V-0, BLACK
      - TERMINALS - COPPER ALLOY
    - SHELL
      - NICKEL SILVER, C770, THICKNESS: 0.250/0.254
  - FINISH:
    - CONNECTOR
      - OPTION 1
        - CONTACT AREA - 0.38 $\mu$ m MIN GOLD OVER 2.54  $\mu$ m NICKEL
        - SOLDER FOOT AREA - 2.54-5.09 $\mu$ m TIN OVER 1.27  $\mu$ m NICKEL
      - OPTION 2
        - CONTACT AREA - 0.76 $\mu$ m MIN GOLD OVER 2.54  $\mu$ m NICKEL
        - SOLDER FOOT AREA - 2.54-5.09 $\mu$ m TIN OVER 1.27  $\mu$ m NICKEL
  - TERMINAL SOLDER FEET TO BE COPLANAR WITHIN 0.10 MEASURED FROM DATUM E
  - DATE CODE: 4 DIGIT (3 DIGIT DAY, 1 DIGIT YEAR) ON CONNECTOR ONLY
  - CIRCUIT IDENTIFIER: SEE APPROPRIATE INDUSTRY SPECIFICATION FOR LOCATION OF PIN 1
  - TO BE USED WITH THE FOLLOWING CABLE SERIES:
    - 79575/74563/79576/74573/79536/74562/74569/74586
  - PACKAGED PER PACKAGING SPECIFICATION: PK-75783-001
  - CONFORMS TO PRODUCT SPECIFICATION: PS-75783-001
  - PROCESS PER APPLICATION SPECIFICATION: AS-75783-001
  - THIS PART CONFORMS TO CLASS C REQUIREMENTS OF COSMETIC SPEC PS-45499-002



36 CIRCUIT  
RETENTION FIT  
SHELL OPTION SHOWN



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| 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 |              | DESCRIPTION | REV |
|-----------------|--------------|-------------|-----|
| EC NO:          | UCP2010-1913 |             |     |
| DRWN:           | KLING        | 2010/02/03  |     |
| CHKD:           | JSWENSON     | 2010/03/24  |     |
| APPR:           | MBANAKIS     | 2010/03/25  |     |
| D2              |              |             |     |

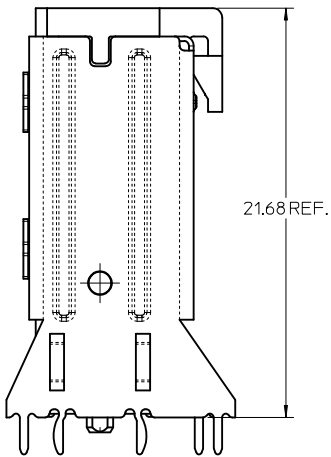
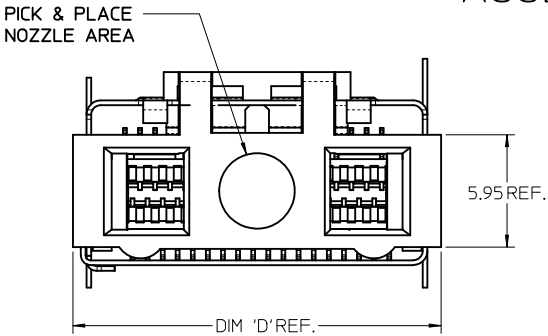
QUALITY SYMBOLS  
 $\nabla=0$   
 $\nabla=0$

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

| DIMENSION STYLE MM ONLY |          |
|-------------------------|----------|
| DRAWN BY                | KLING    |
| DATE                    | 02/09/05 |
| CHECKED BY              | JSWENSON |
| DATE                    | 02/09/05 |
| APPROVED BY             | MBANAKIS |
| DATE                    | 02/02/05 |
| MATERIAL NO. SEE CHART  |          |
| SIZE                    | C        |

|                                                                                                                               |                     |                        |
|-------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------|
| SCALE 5:1                                                                                                                     | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION |
| TITLE I-PASS VERT CONNECTOR INTERNAL ASSY W/SHELL 0.8MM PITCH I/O                                                             |                     |                        |
| MOLEX MOLEX INCORPORATED                                                                                                      |                     |                        |
| DOCUMENT NO. SD-75784-001                                                                                                     |                     | 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-POSITIONING DEVICE



36 CIRCUIT RETENTION FIT SHOWN

NOTES:

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

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

|                                                                                                           |                    |                 |                                       |                                                            |                            |              |              |                                                                                                      |                                                                                                                                  |                      |  |
|-----------------------------------------------------------------------------------------------------------|--------------------|-----------------|---------------------------------------|------------------------------------------------------------|----------------------------|--------------|--------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------|--|
| SEE SHEET 1<br>EC NO: UCP2010-1913<br>DRAWN BY: DRWNLKANG<br>CHKD: JSWENSON<br>APPR: MBANAK I S<br><br>D2 | DESCRIPTION<br>REV | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                                            | DIMENSION STYLE<br>MM ONLY |              | SCALE<br>5:1 | DESIGN UNITS<br>METRIC                                                                               | THIRD ANGLE<br>PROJECTION                                                                                                        |                      |  |
|                                                                                                           |                    | ▽=0             |                                       | mm                                                         | INCH                       | DRAWN BY     | DATE         | TITLE<br>I-PASS VERT CONNECTOR<br>INTERNAL ASSY W/SHELL<br>0.8MM PITCH I/O<br><br>MOLEX INCORPORATED | DOCUMENT NO.<br>SD-75784-001                                                                                                     | SHEET NO.<br>2 OF 12 |  |
|                                                                                                           |                    | ▽=0             | 4 PLACES                              | ± ---                                                      | ± ---                      | KLANG        | 02/09/05     |                                                                                                      |                                                                                                                                  |                      |  |
|                                                                                                           |                    |                 | 3 PLACES                              | ± ---                                                      | ± ---                      | CHECKED BY   | DATE         |                                                                                                      |                                                                                                                                  |                      |  |
|                                                                                                           |                    |                 | 2 PLACES                              | ± ---                                                      | ± ---                      | JSWENSON     | 02/09/05     |                                                                                                      |                                                                                                                                  |                      |  |
|                                                                                                           |                    |                 | 1 PLACE                               | ± 0.13                                                     | ± ---                      | APPROVED BY  | DATE         |                                                                                                      |                                                                                                                                  |                      |  |
|                                                                                                           |                    |                 |                                       | ± 0.25                                                     | ± ---                      | MBANAK I S   | 02/02/05     |                                                                                                      |                                                                                                                                  |                      |  |
|                                                                                                           |                    |                 |                                       | ANGULAR ±1/2°                                              |                            | MATERIAL NO. |              |                                                                                                      |                                                                                                                                  |                      |  |
|                                                                                                           |                    |                 |                                       | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                            |              |              | SEE CHART                                                                                            |                                                                                                                                  |                      |  |
|                                                                                                           |                    |                 |                                       |                                                            |                            |              |              | SIZE<br>C                                                                                            | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                      |  |

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

MOLEX MOLEX INCORPORATED

SHEET NO.  
2 OF 12

# SHELL PCB INTERFACE



RETENTION-FIT  
SHELL OPTION



SMT SHELL OPTION



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

SEE SHEET 1  
EC NO: UCP2010-1913  
DRAWN BY: DRWNLKANG  
CHKD: JSWENSON  
APPR: MBANAKIS  
REV: D2

QUALITY  
SYMBOLS  
▽=0  
▽=0

GENERAL TOLERANCES  
(UNLESS SPECIFIED)

|          | mm     | INCH    |
|----------|--------|---------|
| 4 PLACES | ± .005 | ± .0004 |
| 3 PLACES | ± .008 | ± .0006 |
| 2 PLACES | ± .013 | ± .0009 |
| 1 PLACE  | ± .025 | ± .0016 |

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.

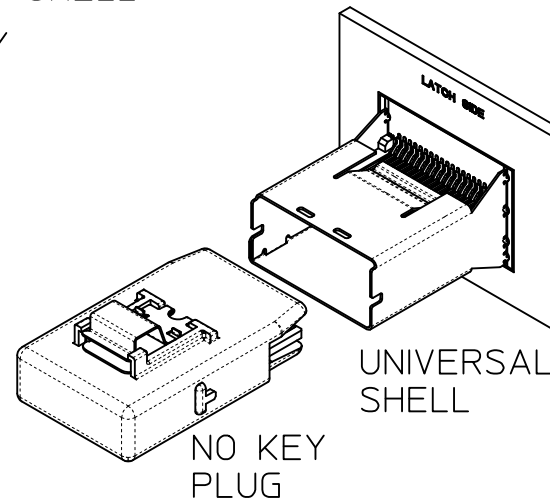
SEE CHART

SIZE C

|                                                                            |                        |                           |
|----------------------------------------------------------------------------|------------------------|---------------------------|
| SCALE<br>4:1                                                               | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |
| TITLE<br>I-PASS VERT CONNECTOR<br>INTERNAL ASSY W/SHELL<br>0.8MM PITCH I/O |                        |                           |
| MOLEX INCORPORATED                                                         |                        |                           |
| DOCUMENT NO.<br>SD-75784-001                                               | SHEET NO.<br>3 OF 12   |                           |

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# KEYING OPTIONS



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

| <b>SEE SHEET 1</b><br>EC NO: UCP2010-1913<br>DRW:KLANG 2010/02/03<br>CHKD:JSWENSON 2010/03/24<br>APPR:MBANAKIS 2010/03/25 |          | <b>QUALITY SYMBOLS</b><br>▼=0<br>▽=0 | <b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b>                                                                                                                                                                                                                                                                                     |  | <b>DIMENSION STYLE</b><br><b>MM ONLY</b> |    | <b>SCALE</b><br>2:1          | <b>DESIGN UNITS</b><br>METRIC | <b>THIRD ANGLE PROJECTION</b> |         |          |        |         |          |        |         |         |        |        |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |
|---------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------|----|------------------------------|-------------------------------|-------------------------------|---------|----------|--------|---------|----------|--------|---------|---------|--------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|------|-------|----------|------------|------|----------|----------|-------------|------|----------|
|                                                                                                                           |          |                                      | <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± .005</td> <td>± .0005</td> </tr> <tr> <td>3 PLACES</td> <td>± .005</td> <td>± .0005</td> </tr> <tr> <td>2 PLACES</td> <td>± .013</td> <td>± .0005</td> </tr> <tr> <td>1 PLACE</td> <td>± .025</td> <td>± .001</td> </tr> </table> |  |                                          | mm | INCH                         | 4 PLACES                      | ± .005                        | ± .0005 | 3 PLACES | ± .005 | ± .0005 | 2 PLACES | ± .013 | ± .0005 | 1 PLACE | ± .025 | ± .001 | <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 |
|                                                                                                                           | mm       | INCH                                 |                                                                                                                                                                                                                                                                                                                                  |  |                                          |    |                              |                               |                               |         |          |        |         |          |        |         |         |        |        |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |
| 4 PLACES                                                                                                                  | ± .005   | ± .0005                              |                                                                                                                                                                                                                                                                                                                                  |  |                                          |    |                              |                               |                               |         |          |        |         |          |        |         |         |        |        |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |
| 3 PLACES                                                                                                                  | ± .005   | ± .0005                              |                                                                                                                                                                                                                                                                                                                                  |  |                                          |    |                              |                               |                               |         |          |        |         |          |        |         |         |        |        |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |
| 2 PLACES                                                                                                                  | ± .013   | ± .0005                              |                                                                                                                                                                                                                                                                                                                                  |  |                                          |    |                              |                               |                               |         |          |        |         |          |        |         |         |        |        |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |
| 1 PLACE                                                                                                                   | ± .025   | ± .001                               |                                                                                                                                                                                                                                                                                                                                  |  |                                          |    |                              |                               |                               |         |          |        |         |          |        |         |         |        |        |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |
| DRAWN BY                                                                                                                  | DATE     |                                      |                                                                                                                                                                                                                                                                                                                                  |  |                                          |    |                              |                               |                               |         |          |        |         |          |        |         |         |        |        |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |
| KLANG                                                                                                                     | 02/09/05 |                                      |                                                                                                                                                                                                                                                                                                                                  |  |                                          |    |                              |                               |                               |         |          |        |         |          |        |         |         |        |        |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |
| CHECKED BY                                                                                                                | DATE     |                                      |                                                                                                                                                                                                                                                                                                                                  |  |                                          |    |                              |                               |                               |         |          |        |         |          |        |         |         |        |        |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |
| JSWENSON                                                                                                                  | 02/09/05 |                                      |                                                                                                                                                                                                                                                                                                                                  |  |                                          |    |                              |                               |                               |         |          |        |         |          |        |         |         |        |        |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |
| APPROVED BY                                                                                                               | DATE     |                                      |                                                                                                                                                                                                                                                                                                                                  |  |                                          |    |                              |                               |                               |         |          |        |         |          |        |         |         |        |        |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |
| MBANAKIS                                                                                                                  | 02/02/05 |                                      |                                                                                                                                                                                                                                                                                                                                  |  |                                          |    |                              |                               |                               |         |          |        |         |          |        |         |         |        |        |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |
| <b>REVISION</b><br>D2                                                                                                     |          |                                      | ANGULAR ±1/2°<br>DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                                                                                                                                                                                      |  | MATERIAL NO.<br><b>SEE CHART</b>         |    | DOCUMENT NO.<br>SD-75784-001 |                               | SHEET NO.<br>4 OF 12          |         |          |        |         |          |        |         |         |        |        |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |

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## 26 CIRCUIT ITEM NUMBERS

| CIRCUIT SIZE | ITEM NUMBER | PLATING OPTION | SHELL PCB OPTION | SHELL KEY OPTION |
|--------------|-------------|----------------|------------------|------------------|
| 26           | 75784-0007  | OPTION 1       | RETENTION        | LEFT             |
| 26           | 75784-0008  | OPTION 1       | RETENTION        | RIGHT            |
| 26           | 75784-0009  | OPTION 1       | RETENTION        | DUAL             |
| 26           | 75784-0010  | OPTION 1       | SMT              | LEFT             |
| 26           | 75784-0011  | OPTION 1       | SMT              | RIGHT            |
| 26           | 75784-0012  | OPTION 1       | SMT              | DUAL             |
| 26           | 75784-0019  | OPTION 2       | RETENTION        | LEFT             |
| 26           | 75784-0020  | OPTION 2       | RETENTION        | RIGHT            |
| 26           | 75784-0021  | OPTION 2       | RETENTION        | DUAL             |
| 26           | 75784-0022  | OPTION 2       | SMT              | LEFT             |
| 26           | 75784-0023  | OPTION 2       | SMT              | RIGHT            |
| 26           | 75784-0024  | OPTION 2       | SMT              | DUAL             |
| 26           | 75784-0025  | OPTION 1       | RETENTION        | UNIVERSAL        |
| 26           | 75784-0026  | OPTION 1       | SMT              | UNIVERSAL        |
| 26           | 75784-0027  | OPTION 2       | RETENTION        | UNIVERSAL        |
| 26           | 75784-0028  | OPTION 2       | SMT              | UNIVERSAL        |
| 26           | 75784-0029  | OPTION 1       | T/H 1.96         | LEFT             |
| 26           | 75784-0030  | OPTION 1       | T/H 1.96         | RIGHT            |
| 26           | 75784-0031  | OPTION 1       | T/H 1.96         | DUAL             |
| 26           | 75784-0032  | OPTION 1       | T/H 1.96         | UNIVERSAL        |
| 26           | 75784-0033  | OPTION 2       | T/H 1.96         | LEFT             |
| 26           | 75784-0034  | OPTION 2       | T/H 1.96         | RIGHT            |
| 26           | 75784-0035  | OPTION 2       | T/H 1.96         | DUAL             |
| 26           | 75784-0036  | OPTION 2       | T/H 1.96         | UNIVERSAL        |

| CIRCUIT SIZE | ITEM NUMBER | PLATING OPTION | SHELL PCB OPTION | SHELL KEY OPTION |
|--------------|-------------|----------------|------------------|------------------|
| 26           | 75784-0037  | OPTION 1       | T/H 2.79         | LEFT             |
| 26           | 75784-0038  | OPTION 1       | T/H 2.79         | RIGHT            |
| 26           | 75784-0039  | OPTION 1       | T/H 2.79         | DUAL             |
| 26           | 75784-0040  | OPTION 1       | T/H 2.79         | UNIVERSAL        |
| 26           | 75784-0041  | OPTION 2       | T/H 2.79         | LEFT             |
| 26           | 75784-0042  | OPTION 2       | T/H 2.79         | RIGHT            |
| 26           | 75784-0043  | OPTION 2       | T/H 2.79         | DUAL             |
| 26           | 75784-0044  | OPTION 2       | T/H 2.79         | UNIVERSAL        |
| 26           | 75784-0045  | OPTION 1       | T/H 3.18         | LEFT             |
| 26           | 75784-0046  | OPTION 1       | T/H 3.18         | RIGHT            |
| 26           | 75784-0047  | OPTION 1       | T/H 3.18         | DUAL             |
| 26           | 75784-0048  | OPTION 1       | T/H 3.18         | UNIVERSAL        |
| 26           | 75784-0049  | OPTION 2       | T/H 3.18         | LEFT             |
| 26           | 75784-0050  | OPTION 2       | T/H 3.18         | RIGHT            |
| 26           | 75784-0051  | OPTION 2       | T/H 3.18         | DUAL             |
| 26           | 75784-0052  | OPTION 2       | T/H 3.18         | UNIVERSAL        |

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|                                                                                                                                  |           |                                              |                                                            |  |                            |                                                                                                                                  |                                                                            |                        |                        |  |  |
|----------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------------------|------------------------------------------------------------|--|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------|------------------------|--|--|
| SEE SHEET 1<br>EC NO: UCP2010-1913<br>2010/02/03<br>DRAWN: KLANG<br>CHKD: JSWENSON<br>2010/03/24<br>APPR: MBANAKIS<br>2010/03/25 | REV<br>D2 | DESCRIPTION<br>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 VERT 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 INCORPORATED     |                        |  |  |
|                                                                                                                                  |           |                                              |                                                            |  | MATERIAL NO.               |                                                                                                                                  | DOCUMENT NO.<br>SD-75784-001                                               |                        |                        |  |  |
|                                                                                                                                  |           |                                              | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | SIZE<br>C                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                            |                        |                        |  |  |

# 36 CIRCUIT ITEM NUMBERS

| CIRCUIT SIZE | ITEM NUMBER | PLATING OPTION | SHELL PCB OPTION | SHELL KEY OPTION |
|--------------|-------------|----------------|------------------|------------------|
| 36           | 75784-0107  | OPTION 1       | RETENTION        | LEFT             |
| 36           | 75784-0108  | OPTION 1       | RETENTION        | RIGHT            |
| 36           | 75784-0109  | OPTION 1       | RETENTION        | DUAL             |
| 36           | 75784-0110  | OPTION 1       | SMT              | LEFT             |
| 36           | 75784-0111  | OPTION 1       | SMT              | RIGHT            |
| 36           | 75784-0112  | OPTION 1       | SMT              | DUAL             |
| 36           | 75784-0119  | OPTION 2       | RETENTION        | LEFT             |
| 36           | 75784-0120  | OPTION 2       | RETENTION        | RIGHT            |
| 36           | 75784-0121  | OPTION 2       | RETENTION        | DUAL             |
| 36           | 75784-0122  | OPTION 2       | SMT              | LEFT             |
| 36           | 75784-0123  | OPTION 2       | SMT              | RIGHT            |
| 36           | 75784-0124  | OPTION 2       | SMT              | DUAL             |
| 36           | 75784-0125  | OPTION 1       | RETENTION        | UNIVERSAL        |
| 36           | 75784-0126  | OPTION 1       | SMT              | UNIVERSAL        |
| 36           | 75784-0127  | OPTION 2       | RETENTION        | UNIVERSAL        |
| 36           | 75784-0128  | OPTION 2       | SMT              | UNIVERSAL        |
| 36           | 75784-0129  | OPTION 1       | T/H 1.96         | LEFT             |
| 36           | 75784-0130  | OPTION 1       | T/H 1.96         | RIGHT            |
| 36           | 75784-0131  | OPTION 1       | T/H 1.96         | DUAL             |
| 36           | 75784-0132  | OPTION 1       | T/H 1.96         | UNIVERSAL        |
| 36           | 75784-0133  | OPTION 2       | T/H 1.96         | LEFT             |
| 36           | 75784-0134  | OPTION 2       | T/H 1.96         | RIGHT            |
| 36           | 75784-0135  | OPTION 2       | T/H 1.96         | DUAL             |
| 36           | 75784-0136  | OPTION 2       | T/H 1.96         | UNIVERSAL        |

| CIRCUIT SIZE | ITEM NUMBER | PLATING OPTION | SHELL PCB OPTION | SHELL KEY OPTION |
|--------------|-------------|----------------|------------------|------------------|
| 36           | 75784-0137  | OPTION 1       | T/H 2.79         | LEFT             |
| 36           | 75784-0138  | OPTION 1       | T/H 2.79         | RIGHT            |
| 36           | 75784-0139  | OPTION 1       | T/H 2.79         | DUAL             |
| 36           | 75784-0140  | OPTION 1       | T/H 2.79         | UNIVERSAL        |
| 36           | 75784-0141  | OPTION 2       | T/H 2.79         | LEFT             |
| 36           | 75784-0142  | OPTION 2       | T/H 2.79         | RIGHT            |
| 36           | 75784-0143  | OPTION 2       | T/H 2.79         | DUAL             |
| 36           | 75784-0144  | OPTION 2       | T/H 2.79         | UNIVERSAL        |
| 36           | 75784-0145  | OPTION 1       | T/H 3.18         | LEFT             |
| 36           | 75784-0146  | OPTION 1       | T/H 3.18         | RIGHT            |
| 36           | 75784-0147  | OPTION 1       | T/H 3.18         | DUAL             |
| 36           | 75784-0148  | OPTION 1       | T/H 3.18         | UNIVERSAL        |
| 36           | 75784-0149  | OPTION 2       | T/H 3.18         | LEFT             |
| 36           | 75784-0150  | OPTION 2       | T/H 3.18         | RIGHT            |
| 36           | 75784-0151  | OPTION 2       | T/H 3.18         | DUAL             |
| 36           | 75784-0152  | OPTION 2       | T/H 3.18         | UNIVERSAL        |
| 36           | 75784-0153  | OPTION 1       | T/H 3.56         | LEFT             |
| 36           | 75784-0154  | OPTION 1       | T/H 3.56         | RIGHT            |
| 36           | 75784-0155  | OPTION 1       | T/H 3.56         | DUAL             |
| 36           | 75784-0156  | OPTION 1       | T/H 3.56         | UNIVERSAL        |
| 36           | 75784-0157  | OPTION 2       | T/H 3.56         | LEFT             |
| 36           | 75784-0158  | OPTION 2       | T/H 3.56         | RIGHT            |
| 36           | 75784-0159  | OPTION 2       | T/H 3.56         | DUAL             |
| 36           | 75784-0160  | OPTION 2       | T/H 3.56         | UNIVERSAL        |

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|                                                                                                                                  |                                        |                               |                                       |              |                                   |              |                     |                                                                                     |                            |
|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------|---------------------------------------|--------------|-----------------------------------|--------------|---------------------|-------------------------------------------------------------------------------------|----------------------------|
| <b>SEE SHEET 1</b><br>EC NO: UCP2010-1913<br>DRWN: KLANG<br>CHKD: JSWENSON<br>APPR: MBANAKIS                                     | 2010/02/03<br>2010/03/24<br>2010/03/25 | 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<br> |
|                                                                                                                                  |                                        |                               |                                       |              | DRAWN BY<br>KLANG                 |              | DATE<br>02/09/05    | TITLE<br><b>I-PASS VERT CONNECTOR<br/>INTERNAL ASSY W/SHELL<br/>0.8MM PITCH I/O</b> |                            |
|                                                                                                                                  |                                        |                               |                                       |              | 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. |                     | SHEET NO.                                                                           |                            |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                       |                                        | SEE CHART                     |                                       | SD-75784-001 |                                   | 6 OF 12      |                     |                                                                                     |                            |
| 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           | 75784-0207  | OPTION 1       | RETENTION        | LEFT             |
| 50           | 75784-0208  | OPTION 1       | RETENTION        | RIGHT            |
| 50           | 75784-0209  | OPTION 1       | RETENTION        | DUAL             |
| 50           | 75784-0210  | OPTION 1       | SMT              | LEFT             |
| 50           | 75784-0211  | OPTION 1       | SMT              | RIGHT            |
| 50           | 75784-0212  | OPTION 1       | SMT              | DUAL             |
| 50           | 75784-0219  | OPTION 2       | RETENTION        | LEFT             |
| 50           | 75784-0220  | OPTION 2       | RETENTION        | RIGHT            |
| 50           | 75784-0221  | OPTION 2       | RETENTION        | DUAL             |
| 50           | 75784-0222  | OPTION 2       | SMT              | LEFT             |
| 50           | 75784-0223  | OPTION 2       | SMT              | RIGHT            |
| 50           | 75784-0224  | OPTION 2       | SMT              | DUAL             |
| 50           | 75784-0225  | OPTION 1       | RETENTION        | UNIVERSAL        |
| 50           | 75784-0226  | OPTION 1       | SMT              | UNIVERSAL        |
| 50           | 75784-0227  | OPTION 2       | RETENTION        | UNIVERSAL        |
| 50           | 75784-0228  | OPTION 2       | SMT              | UNIVERSAL        |
| 50           | 75784-0229  | OPTION 1       | T/H 1.96         | LEFT             |
| 50           | 75784-0230  | OPTION 1       | T/H 1.96         | RIGHT            |
| 50           | 75784-0231  | OPTION 1       | T/H 1.96         | DUAL             |
| 50           | 75784-0232  | OPTION 1       | T/H 1.96         | UNIVERSAL        |
| 50           | 75784-0233  | OPTION 2       | T/H 1.96         | LEFT             |
| 50           | 75784-0234  | OPTION 2       | T/H 1.96         | RIGHT            |
| 50           | 75784-0235  | OPTION 2       | T/H 1.96         | DUAL             |
| 50           | 75784-0236  | OPTION 2       | T/H 1.96         | UNIVERSAL        |

| CIRCUIT SIZE | ITEM NUMBER | PLATING OPTION | SHELL PCB OPTION | SHELL KEY OPTION |
|--------------|-------------|----------------|------------------|------------------|
| 50           | 75784-0237  | OPTION 1       | T/H 2.79         | LEFT             |
| 50           | 75784-0238  | OPTION 1       | T/H 2.79         | RIGHT            |
| 50           | 75784-0239  | OPTION 1       | T/H 2.79         | DUAL             |
| 50           | 75784-0240  | OPTION 1       | T/H 2.79         | UNIVERSAL        |
| 50           | 75784-0241  | OPTION 2       | T/H 2.79         | LEFT             |
| 50           | 75784-0242  | OPTION 2       | T/H 2.79         | RIGHT            |
| 50           | 75784-0243  | OPTION 2       | T/H 2.79         | DUAL             |
| 50           | 75784-0244  | OPTION 2       | T/H 2.79         | UNIVERSAL        |
| 50           | 75784-0245  | OPTION 1       | T/H 3.18         | LEFT             |
| 50           | 75784-0246  | OPTION 1       | T/H 3.18         | RIGHT            |
| 50           | 75784-0247  | OPTION 1       | T/H 3.18         | DUAL             |
| 50           | 75784-0248  | OPTION 1       | T/H 3.18         | UNIVERSAL        |
| 50           | 75784-0249  | OPTION 2       | T/H 3.18         | LEFT             |
| 50           | 75784-0250  | OPTION 2       | T/H 3.18         | RIGHT            |
| 50           | 75784-0251  | OPTION 2       | T/H 3.18         | DUAL             |
| 50           | 75784-0252  | OPTION 2       | T/H 3.18         | UNIVERSAL        |

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|                                                                                                                                  |                    |                               |                                       |  |                                                                                                                                  |                  |                                                                            |                        |                        |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------|---------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------|------------------|----------------------------------------------------------------------------|------------------------|------------------------|--|--|--|
| SEE SHEET 1<br>EC NO: UCP2010-1913<br>2010/02/03<br>DRAWN: KLANG<br>2010/03/24<br>CHKD: JSWENSON<br>2010/03/25<br>APPR: MBANAKIS | DESCRIPTION<br>REV | 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 VERT 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 INCORPORATED     |  |  |  |
|                                                                                                                                  |                    |                               |                                       |  | ANGULAR ±1/2°                                                                                                                    |                  | MATERIAL NO.                                                               |                        |                        |  |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                       |                    |                               | SEE CHART                             |  | DOCUMENT NO.<br>SD-75784-001                                                                                                     |                  |                                                                            |                        | SHEET NO.<br>7 OF 12   |  |  |  |
|                                                                                                                                  |                    |                               | 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

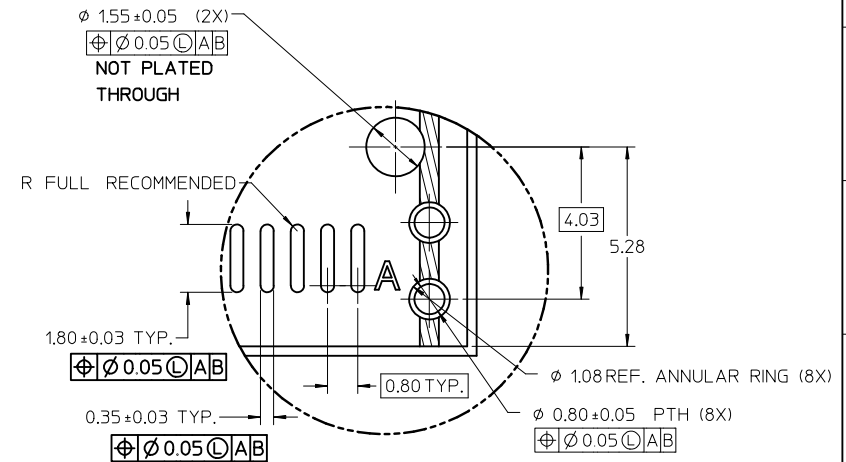
| CIRCUIT SIZE | ITEM NUMBER | PLATING OPTION | SHELL PCB OPTION | SHELL KEY OPTION |
|--------------|-------------|----------------|------------------|------------------|
| 68           | 75784-0307  | OPTION 1       | RETENTION        | LEFT             |
| 68           | 75784-0308  | OPTION 1       | RETENTION        | RIGHT            |
| 68           | 75784-0309  | OPTION 1       | RETENTION        | DUAL             |
| 68           | 75784-0310  | OPTION 1       | SMT              | LEFT             |
| 68           | 75784-0311  | OPTION 1       | SMT              | RIGHT            |
| 68           | 75784-0312  | OPTION 1       | SMT              | DUAL             |
| 68           | 75784-0319  | OPTION 2       | RETENTION        | LEFT             |
| 68           | 75784-0320  | OPTION 2       | RETENTION        | RIGHT            |
| 68           | 75784-0321  | OPTION 2       | RETENTION        | DUAL             |
| 68           | 75784-0322  | OPTION 2       | SMT              | LEFT             |
| 68           | 75784-0323  | OPTION 2       | SMT              | RIGHT            |
| 68           | 75784-0324  | OPTION 2       | SMT              | DUAL             |
| 68           | 75784-0325  | OPTION 1       | RETENTION        | UNIVERSAL        |
| 68           | 75784-0326  | OPTION 1       | SMT              | UNIVERSAL        |
| 68           | 75784-0327  | OPTION 2       | RETENTION        | UNIVERSAL        |
| 68           | 75784-0328  | OPTION 2       | SMT              | UNIVERSAL        |
| 68           | 75784-0329  | OPTION 1       | T/H 1.96         | LEFT             |
| 68           | 75784-0330  | OPTION 1       | T/H 1.96         | RIGHT            |
| 68           | 75784-0331  | OPTION 1       | T/H 1.96         | DUAL             |
| 68           | 75784-0332  | OPTION 1       | T/H 1.96         | UNIVERSAL        |
| 68           | 75784-0333  | OPTION 2       | T/H 1.96         | LEFT             |
| 68           | 75784-0334  | OPTION 2       | T/H 1.96         | RIGHT            |
| 68           | 75784-0335  | OPTION 2       | T/H 1.96         | DUAL             |
| 68           | 75784-0336  | OPTION 2       | T/H 1.96         | UNIVERSAL        |

| CIRCUIT SIZE | ITEM NUMBER | PLATING OPTION | SHELL PCB OPTION | SHELL KEY OPTION |
|--------------|-------------|----------------|------------------|------------------|
| 68           | 75784-0337  | OPTION 1       | T/H 2.79         | LEFT             |
| 68           | 75784-0338  | OPTION 1       | T/H 2.79         | RIGHT            |
| 68           | 75784-0339  | OPTION 1       | T/H 2.79         | DUAL             |
| 68           | 75784-0340  | OPTION 1       | T/H 2.79         | UNIVERSAL        |
| 68           | 75784-0341  | OPTION 2       | T/H 2.79         | LEFT             |
| 68           | 75784-0342  | OPTION 2       | T/H 2.79         | RIGHT            |
| 68           | 75784-0343  | OPTION 2       | T/H 2.79         | DUAL             |
| 68           | 75784-0344  | OPTION 2       | T/H 2.79         | UNIVERSAL        |
| 68           | 75784-0345  | OPTION 1       | T/H 3.18         | LEFT             |
| 68           | 75784-0346  | OPTION 1       | T/H 3.18         | RIGHT            |
| 68           | 75784-0347  | OPTION 1       | T/H 3.18         | DUAL             |
| 68           | 75784-0348  | OPTION 1       | T/H 3.18         | UNIVERSAL        |
| 68           | 75784-0349  | OPTION 2       | T/H 3.18         | LEFT             |
| 68           | 75784-0350  | OPTION 2       | T/H 3.18         | RIGHT            |
| 68           | 75784-0351  | OPTION 2       | T/H 3.18         | DUAL             |
| 68           | 75784-0352  | OPTION 2       | T/H 3.18         | UNIVERSAL        |

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|                                                                                                                                  |                               |                                                            |  |                            |                  |                                                                                                                                  |                          |                        |  |
|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------|--|----------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------|--|
| SEE SHEET 1<br>EC NO: UCP2010-1913<br>2010/02/03<br>DRAWN: 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 VERT 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 |                        |  |
|                                                                                                                                  |                               | ANGULAR ±1/2°                                              |  | MATERIAL NO.               |                  | DOCUMENT NO.                                                                                                                     |                          |                        |  |
|                                                                                                                                  |                               | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | SEE CHART                  |                  | SD-75784-001                                                                                                                     |                          |                        |  |
|                                                                                                                                  |                               |                                                            |  | SIZE<br>C                  |                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                          |                        |  |

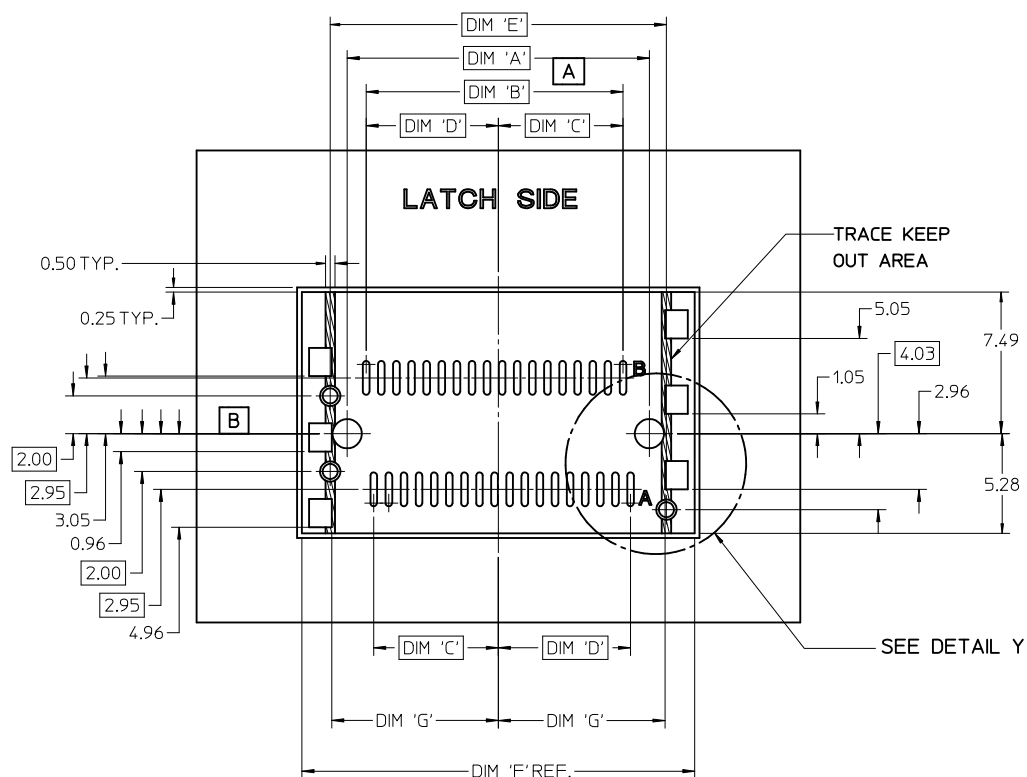
VERTICAL CONNECTOR  
WITH RETENTION FIT & THRU-HOLE SHELL  
PCB FOOT PRINT



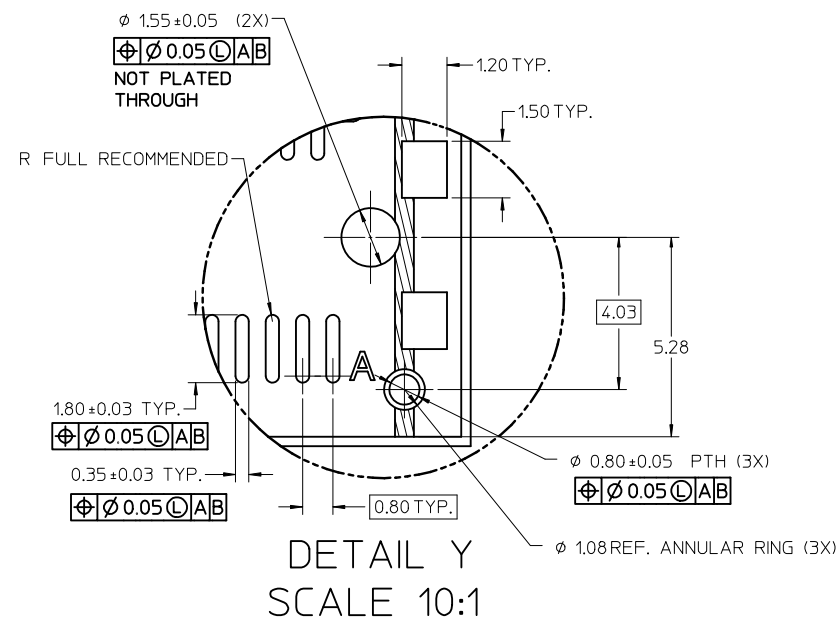
|              | PEG TO PEG | FIRST TO LAST PAD | CENTERLINE TO PAD | CENTERLINE TO PAD | SHELL PEG TO PEG | SHELL FOOTPRINT WIDTH |
|--------------|------------|-------------------|-------------------|-------------------|------------------|-----------------------|
| CIRCUIT SIZE | DIM 'A'    | DIM 'B'           | DIM 'C'           | DIM 'D'           | DIM 'E'          | DIM 'F'               |
| 26           | 12.00      | 9.60              | 4.60              | 5.00              | 13.80            | 15.80                 |
| 36           | 16.00      | 13.60             | 6.60              | 7.00              | 17.80            | 19.80                 |
| 50           | 21.60      | 19.20             | 9.40              | 9.80              | 23.40            | 25.40                 |
| 68           | 28.80      | 26.40             | 13.00             | 13.40             | 30.60            | 32.60                 |

|                                                                                                      |     |                                                       |                               |                                       |  |                            |  |              |                        |                           |                                                                                                                                                                                                                                                                 |  |
|------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------|-------------------------------|---------------------------------------|--|----------------------------|--|--------------|------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| SEE SHEET 1<br>EC NO: UCP2010-1913<br>DRAWN BY: DRWINKLANG<br>CHKD: JSWENSON<br>APPR: MBANAKIS<br>D2 | REV | DESCRIPTION<br>2010/02/03<br>2010/03/24<br>2010/03/25 | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | DIMENSION STYLE<br>MM ONLY |  | SCALE<br>5:1 | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION | TITLE<br>I-PASS VERT CONNECTOR<br>INTERNAL ASSY W/SHELL<br>0.8MM PITCH I/O<br>MOLEX INCORPORATED<br>SD-75784-001<br>9 OF 12<br>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |
|                                                                                                      |     |                                                       |                               |                                       |  |                            |  |              |                        |                           |                                                                                                                                                                                                                                                                 |  |
|                                                                                                      |     |                                                       |                               |                                       |  |                            |  |              |                        |                           |                                                                                                                                                                                                                                                                 |  |
|                                                                                                      |     |                                                       |                               |                                       |  |                            |  |              |                        |                           |                                                                                                                                                                                                                                                                 |  |
|                                                                                                      |     |                                                       |                               |                                       |  |                            |  |              |                        |                           |                                                                                                                                                                                                                                                                 |  |
|                                                                                                      |     |                                                       |                               |                                       |  |                            |  |              |                        |                           |                                                                                                                                                                                                                                                                 |  |
|                                                                                                      |     |                                                       |                               |                                       |  |                            |  |              |                        |                           |                                                                                                                                                                                                                                                                 |  |
|                                                                                                      |     |                                                       |                               |                                       |  |                            |  |              |                        |                           |                                                                                                                                                                                                                                                                 |  |
|                                                                                                      |     |                                                       |                               |                                       |  |                            |  |              |                        |                           |                                                                                                                                                                                                                                                                 |  |
|                                                                                                      |     |                                                       |                               |                                       |  |                            |  |              |                        |                           |                                                                                                                                                                                                                                                                 |  |

# VERTICAL CONNECTOR WITH SMT SHELL PCB FOOT PRINT



36 CIRCUIT SHOWN



|              |         | PEG TO PEG | FIRST TO LAST PAD | CENTERLINE TO PAD | CENTERLINE TO PAD | 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   | 9.60       | 4.60              | 5.00              | 13.80             | 16.80            | 6.825                 |                        |
| 36           | 16.00   | 13.60      | 6.60              | 7.00              | 17.80             | 20.80            | 8.825                 |                        |
| 50           | 21.60   | 19.20      | 9.40              | 9.80              | 23.40             | 26.40            | 11.625                |                        |
| 68           | 28.80   | 26.40      | 13.00             | 13.40             | 30.60             | 33.60            | 15.225                |                        |

**EE SHEET 1**

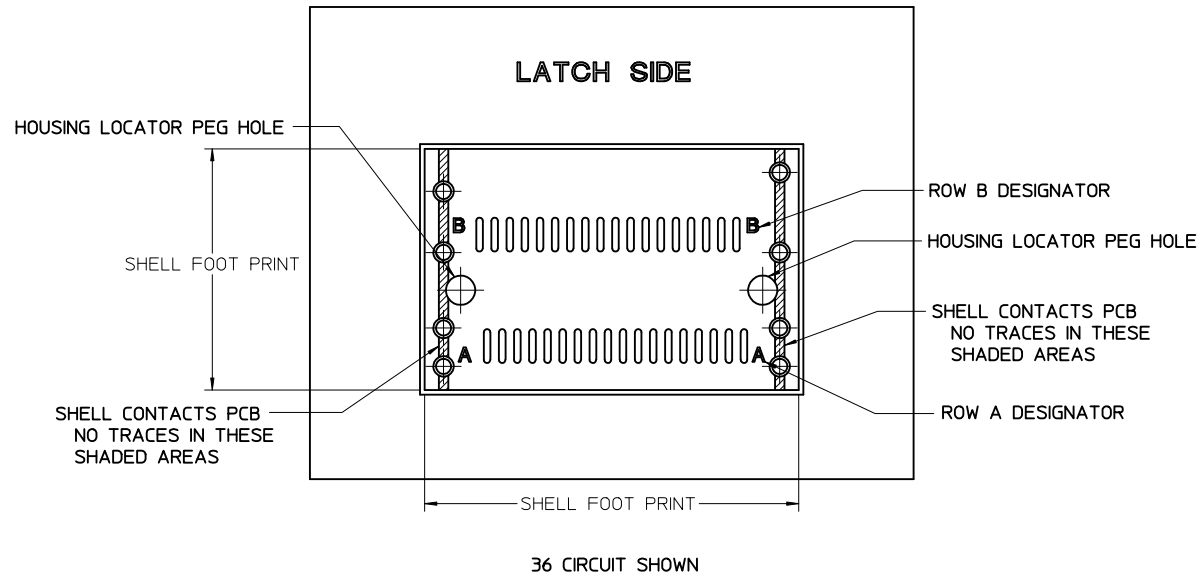
C NO: UCP2010-1913

IRVYNKLANG

2010/02/03

|               |                                                                        |        |       |                                        |                                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                      |    |      |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                              |  |          |      |       |          |            |      |           |          |             |      |            |          |              |  |              |                        |                           |                                                                                                            |                              |                       |
|---------------|------------------------------------------------------------------------|--------|-------|----------------------------------------|-----------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----|------|----------|-------|-------|----------|-------|-------|----------|--------|-------|---------|--------|-------|---------------|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|------|-------|----------|------------|------|-----------|----------|-------------|------|------------|----------|--------------|--|--------------|------------------------|---------------------------|------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|
| SEE SHEET 1   | EC NO: UCP2010-1913<br>DRWNK:LANG<br>CHKD:JSEWENSON<br>APPR:MBANAK I S |        |       | 2010/02/03<br>2010/03/14<br>2010/03/25 | QUALITY SYMBOLS<br><br>▽=0<br>◻=0 | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED)<br><table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>2 PLACES</td><td>± 0.13</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± 0.25</td><td>± ---</td></tr><tr><td colspan="3">ANGULAR ±1/2°</td></tr></table><br>DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                                                                      | mm | INCH | 4 PLACES | ± --- | ± --- | 3 PLACES | ± --- | ± --- | 2 PLACES | ± 0.13 | ± --- | 1 PLACE | ± 0.25 | ± --- | ANGULAR ±1/2° |  |  | DIMENSION STYLE<br>MM ONLY<br><table><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>JSEWENSON</td><td>02/09/05</td></tr><tr><td>APPROVED BY</td><td>DATE</td></tr><tr><td>MBANAK I S</td><td>02/02/05</td></tr><tr><td>MATERIAL NO.</td><td></td></tr></table><br>SEE CHART |  | DRAWN BY | DATE | KLANG | 02/09/05 | CHECKED BY | DATE | JSEWENSON | 02/09/05 | APPROVED BY | DATE | MBANAK I S | 02/02/05 | MATERIAL NO. |  | SCALE<br>5:1 | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION | TITLE<br>I-PASS VERT CONNECTOR<br>INTERNAL ASSY W/SHELL<br>0.8MM PITCH I/O<br><br>MOLEX MOLEX INCORPORATED | DOCUMENT NO.<br>SD-75784-001 | SHEET NO.<br>10 OF 12 |
|               |                                                                        | mm     | INCH  |                                        |                                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                      |    |      |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                              |  |          |      |       |          |            |      |           |          |             |      |            |          |              |  |              |                        |                           |                                                                                                            |                              |                       |
|               | 4 PLACES                                                               | ± ---  | ± --- |                                        |                                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                      |    |      |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                              |  |          |      |       |          |            |      |           |          |             |      |            |          |              |  |              |                        |                           |                                                                                                            |                              |                       |
|               | 3 PLACES                                                               | ± ---  | ± --- |                                        |                                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                      |    |      |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                              |  |          |      |       |          |            |      |           |          |             |      |            |          |              |  |              |                        |                           |                                                                                                            |                              |                       |
|               | 2 PLACES                                                               | ± 0.13 | ± --- |                                        |                                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                      |    |      |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                              |  |          |      |       |          |            |      |           |          |             |      |            |          |              |  |              |                        |                           |                                                                                                            |                              |                       |
| 1 PLACE       | ± 0.25                                                                 | ± ---  |       |                                        |                                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                      |    |      |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                              |  |          |      |       |          |            |      |           |          |             |      |            |          |              |  |              |                        |                           |                                                                                                            |                              |                       |
| ANGULAR ±1/2° |                                                                        |        |       |                                        |                                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                      |    |      |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                              |  |          |      |       |          |            |      |           |          |             |      |            |          |              |  |              |                        |                           |                                                                                                            |                              |                       |
| DRAWN BY      | DATE                                                                   |        |       |                                        |                                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                      |    |      |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                              |  |          |      |       |          |            |      |           |          |             |      |            |          |              |  |              |                        |                           |                                                                                                            |                              |                       |
| KLANG         | 02/09/05                                                               |        |       |                                        |                                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                      |    |      |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                              |  |          |      |       |          |            |      |           |          |             |      |            |          |              |  |              |                        |                           |                                                                                                            |                              |                       |
| CHECKED BY    | DATE                                                                   |        |       |                                        |                                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                      |    |      |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                              |  |          |      |       |          |            |      |           |          |             |      |            |          |              |  |              |                        |                           |                                                                                                            |                              |                       |
| JSEWENSON     | 02/09/05                                                               |        |       |                                        |                                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                      |    |      |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                              |  |          |      |       |          |            |      |           |          |             |      |            |          |              |  |              |                        |                           |                                                                                                            |                              |                       |
| APPROVED BY   | DATE                                                                   |        |       |                                        |                                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                      |    |      |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                              |  |          |      |       |          |            |      |           |          |             |      |            |          |              |  |              |                        |                           |                                                                                                            |                              |                       |
| MBANAK I S    | 02/02/05                                                               |        |       |                                        |                                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                      |    |      |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                              |  |          |      |       |          |            |      |           |          |             |      |            |          |              |  |              |                        |                           |                                                                                                            |                              |                       |
| MATERIAL NO.  |                                                                        |        |       |                                        |                                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                      |    |      |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                              |  |          |      |       |          |            |      |           |          |             |      |            |          |              |  |              |                        |                           |                                                                                                            |                              |                       |
| D2            | REV                                                                    |        |       |                                        |                                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                      | SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |    |      |          |       |       |          |       |       |          |        |       |         |        |       |               |  |  |                                                                                                                                                                                                                                                                                                                                                              |  |          |      |       |          |            |      |           |          |             |      |            |          |              |  |              |                        |                           |                                                                                                            |                              |                       |

# VERTICAL CONNECTOR WITH SHELL PCB FOOT PRINT DESCRIPTIONS



iPass™ IS A TRADEMARK OF MOLEX

|                                                                                                                                    |                    |                               |                                                            |        |                            |                         |                  |                                                                                                                                            |                                                                                                              |                                                                            |              |           |          |  |
|------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------|------------------------------------------------------------|--------|----------------------------|-------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------|-----------|----------|--|
| SEE SHEET 1<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<br>D2 | DESCRIPTION<br>REV | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        | DIMENSION STYLE<br>MM ONLY |                         | SCALE<br>5:1     | DESIGN UNITS<br>METRIC                                                                                                                     |  THIRD ANGLE PROJECTION | TITLE<br>I-PASS VERT CONNECTOR<br>INTERNAL ASSY W/SHELL<br>0.8MM PITCH I/O |              |           |          |  |
|                                                                                                                                    |                    |                               |                                                            | mm     | INCH                       | DRAWN BY<br>KLANG       | DATE<br>02/09/05 | MOLEX<br>MOLEX INCORPORATED                                                                                                                |                                                                                                              |                                                                            |              |           |          |  |
|                                                                                                                                    |                    |                               | 4 PLACES                                                   | ± ---  | ± ---                      | CHECKED BY<br>JSWENSON  | DATE<br>02/09/05 |                                                                                                                                            |                                                                                                              |                                                                            |              |           |          |  |
|                                                                                                                                    |                    |                               | 3 PLACES                                                   | ± ---  | ± ---                      | APPROVED BY<br>MBANAKIS | DATE<br>02/02/05 |                                                                                                                                            |                                                                                                              |                                                                            |              |           |          |  |
|                                                                                                                                    |                    |                               | 2 PLACES                                                   | ± 0.13 | ± ---                      | MATERIAL NO.            |                  |                                                                                                                                            |                                                                                                              |                                                                            | DOCUMENT NO. | SHEET NO. |          |  |
|                                                                                                                                    |                    |                               | 1 PLACE                                                    | ± 0.25 | ± ---                      | ANGULAR ±1/2°           |                  | SEE CHART                                                                                                                                  |                                                                                                              |                                                                            | SD-75784-001 |           | 11 OF 12 |  |
|                                                                                                                                    |                    |                               | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        |                            |                         |                  | SIZE<br>C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                                              |                                                                            |              |           |          |  |

# MATING INTERFACE (FOR REFERENCE ONLY)



## NOTES:

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

iPass™ IS A TRADEMARK OF MOLEX

| 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>DRWN:KLANG<br>CHKD:JSWENSON<br>APPR:MBANAKIS | 2010/02/03  |
|                                                                                    | 2010/03/24  |
| REV                                                                                | DESCRIPTION |
| D2                                                                                 |             |

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<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 VERT CONNECTOR<br>INTERNAL ASSY W/SHELL<br>0.8MM PITCH I/O                                      |                        |                                                                                                                 |
|  MOLEX INCORPORATED        |                        |                                                                                                                 |
| DOCUMENT NO.<br>SD-75784-001                                                                                    |                        | SHEET NO.<br>12 OF 12                                                                                           |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                                                                                                                 |