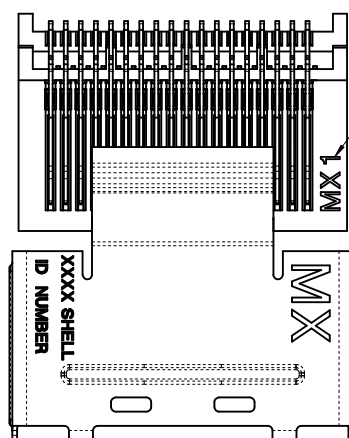
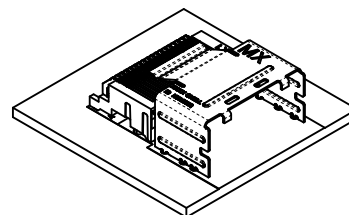




MOLD CAVITY ID  
FOR REFERENCE ONLY



# NOTES:

## 1. MATERIAL:

### CONNECTOR:

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

### SHELL

SILVER NICKEL, C770, THICKNESS: 0.250/0.254

## 2. FINISH:

### CONNECTOR

#### OPTION 1

CONTACT AREA - 0.384mm MIN GOLD OVER 2.54 4mm NICKEL

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

#### OPTION 2

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

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

## 3. TERMINAL SOLDER FEET TO BE COPLANAR WITHIN 0.15 MEASURED FROM FRONT HOUSING STAND OFF (DATUM C)

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

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

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

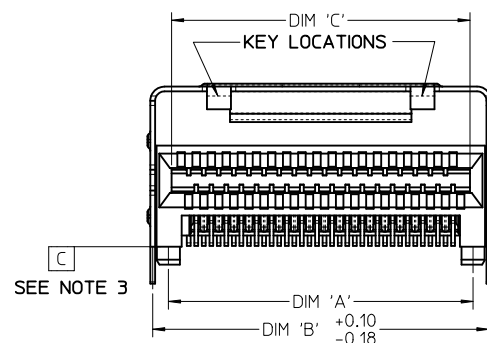
79575/74563/79576/74573/79536/74562/74569/74586

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

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

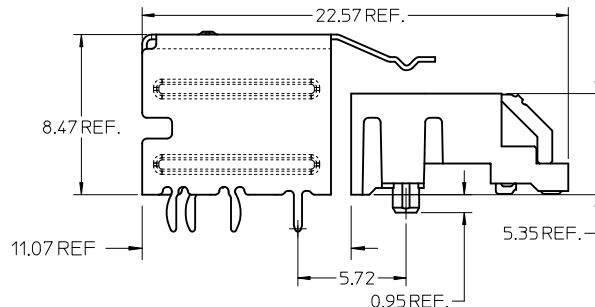
## 9. PROCESS PER APPLICATION SPECIFICATION: AS-75783-001

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



SEE NOTE 3

36 CIRCUIT  
RETENTION FIT  
SHELL OPTION SHOWN



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

|                                                                                                      |             |
|------------------------------------------------------------------------------------------------------|-------------|
| 0.15 WAS 0.10<br>EC NO: UCP2012-0644<br>2011/08/29<br>CHKD: MBANAKIS<br>APPR: MBANAKIS<br>2011/09/14 | DESCRIPTION |
| REV                                                                                                  |             |

|                    |  |
|--------------------|--|
| QUALITY<br>SYMBOLS |  |
| ▽=0                |  |
| ▽=0                |  |

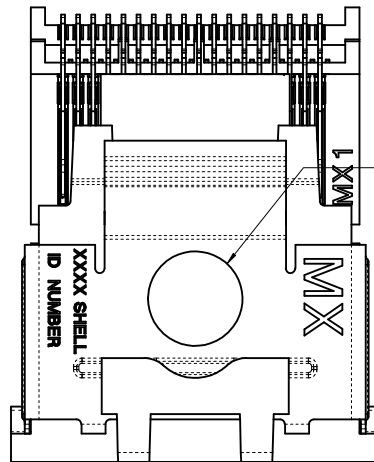
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |         |
|------------------------------------------------------------|---------|
| mm                                                         | INCH    |
| 4 PLACES ± .005                                            | ± .0004 |
| 3 PLACES ± .005                                            | ± .0004 |
| 2 PLACES ± .013                                            | ± .0005 |
| 1 PLACE ± .025                                             | ± .0010 |
| ANGULAR ± 1/2°                                             |         |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |         |

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

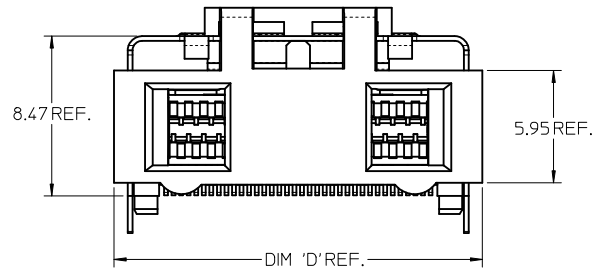
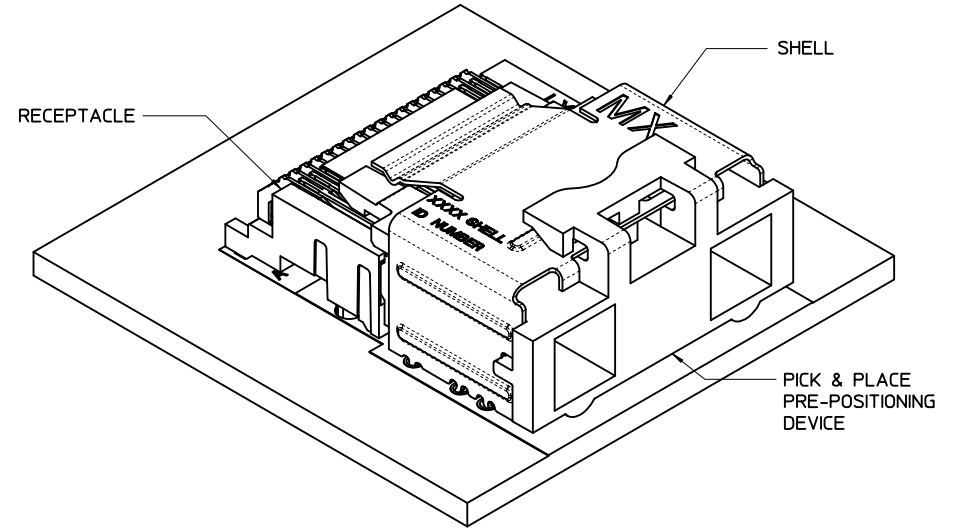
|                                                                                                                                  |              |                           |  |
|----------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------|--|
| SCALE                                                                                                                            | DESIGN UNITS | THIRD ANGLE<br>PROJECTION |  |
| 5:1                                                                                                                              | METRIC       |                           |  |
| TITLE                                                                                                                            |              |                           |  |
| I-PASS R/A CONNECTOR<br>INTERNAL ASSY W/SHELL<br>0.8MM PITCH I/O                                                                 |              |                           |  |
|                                                                                                                                  |              | MOLEX INCORPORATED        |  |
| DOCUMENT NO.                                                                                                                     |              | SHEET NO.                 |  |
| SD-75783-001                                                                                                                     |              | 1 OF 12                   |  |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                           |  |

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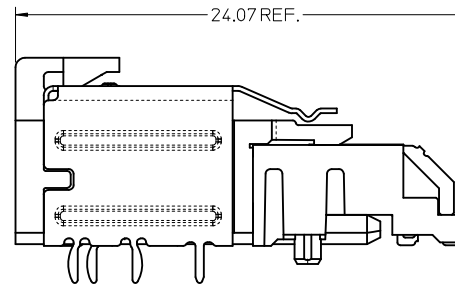
# ASSEMBLY WITH PRE-POSITION DEVICE



PICK & PLACE  
NOZZLE AREA



36 CIRCUIT RETENTION-FIT SHELL OPTION SHOWN



## NOTES:

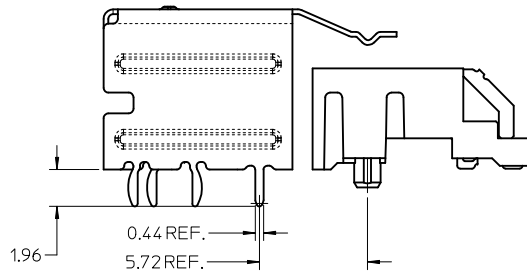
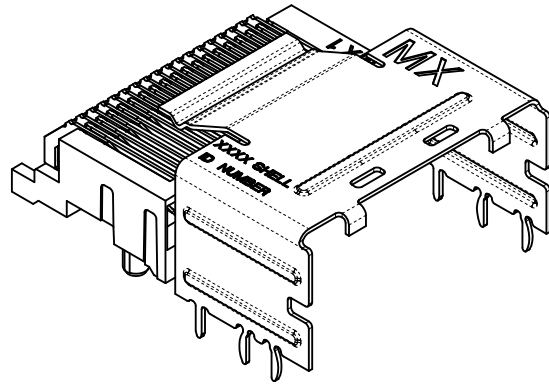
1. PICK AND PLACE AREA DEFINED IN APPLICATION SPECIFICATION, AS-75783-001
2. PACKAGING CONSISTS OF CONNECTOR AND SHELL WITH A PRE-POSITIONING PICK AND PLACE DEVICE THAT ARE PACKAGED IN "TAPE AND REEL" FOR ROBOTIC PICK AND PLACE.

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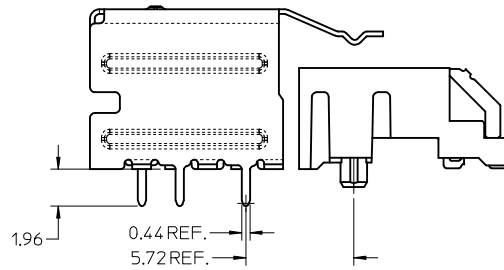
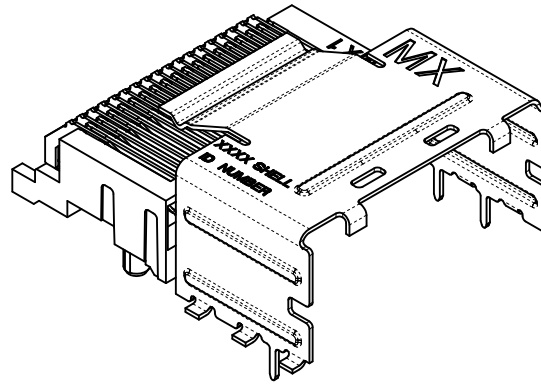
| CIRCUIT SIZE | DIM 'D' |
|--------------|---------|
| 26           | 15.50   |
| 36           | 19.50   |
| 50           | 25.10   |
| 68           | 32.30   |

|                                                                              |     |                                                            |                                   |                                       |          |                                                                                                                                  |             |              |                                                                           |                                                                                                                 |                              |                      |
|------------------------------------------------------------------------------|-----|------------------------------------------------------------|-----------------------------------|---------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------|----------------------|
| SEE SHEET 1<br>EC NO: UCP2012-0644<br>DRWN: KLANG<br>CHKD:<br>APPR: MBANAKIS | REV | DESCRIPTION                                                | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |          | DIMENSION STYLE<br>MM ONLY                                                                                                       |             | SCALE<br>5:1 | DESIGN UNITS<br>METRIC                                                    |  THIRD ANGLE<br>PROJECTION |                              |                      |
|                                                                              |     |                                                            |                                   |                                       | mm       | INCH                                                                                                                             | DRAWN BY    | DATE         | TITLE<br>I-PASS R/A CONNECTOR<br>INTERNAL ASSY W/SHELL<br>0.8MM PITCH I/O |                                                                                                                 | DOCUMENT NO.<br>SD-75783-001 | SHEET NO.<br>2 OF 12 |
|                                                                              |     |                                                            |                                   | 4 PLACES                              | ± ---    | ± ---                                                                                                                            | KLANG       | 02/09/05     |                                                                           |                                                                                                                 |                              |                      |
|                                                                              |     |                                                            |                                   | 3 PLACES                              | ± ---    | ± ---                                                                                                                            | CHECKED BY  | DATE         |                                                                           |                                                                                                                 |                              |                      |
|                                                                              |     |                                                            |                                   | 2 PLACES                              | ± 0.13   | ± ---                                                                                                                            | JSWENSON    | 02/09/05     |                                                                           |                                                                                                                 |                              |                      |
|                                                                              |     |                                                            |                                   | 1 PLACE                               | ± 0.25   | ± ---                                                                                                                            | APPROVED BY | DATE         |                                                                           |                                                                                                                 |                              |                      |
|                                                                              |     | ANGULAR ±1/2°                                              |                                   | MBANAKIS                              | 02/02/05 | molex MOLEX INCORPORATED                                                                                                         |             |              |                                                                           |                                                                                                                 |                              |                      |
|                                                                              |     | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                   | MATERIAL NO.<br>SEE CHART             |          |                                                                                                                                  |             |              |                                                                           |                                                                                                                 |                              |                      |
|                                                                              |     |                                                            |                                   | SIZE C                                |          | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |             |              |                                                                           |                                                                                                                 |                              |                      |

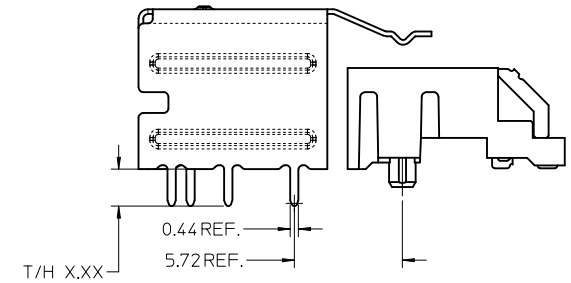
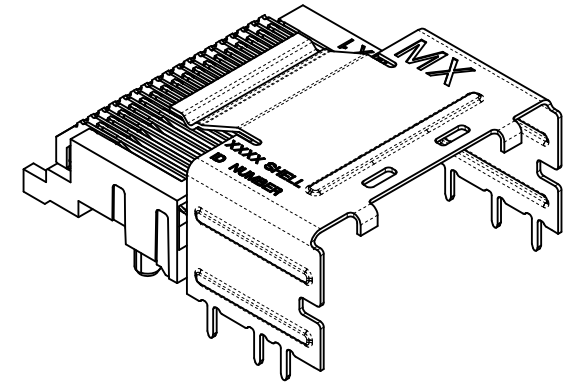
# SHELL PCB INTERFACE



RETENTION-FIT  
SHELL OPTION



SMT SHELL OPTION



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

RECOMMENDED PCB THICKNESS  
FOR SPECIFIED TAIL LENGTH

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

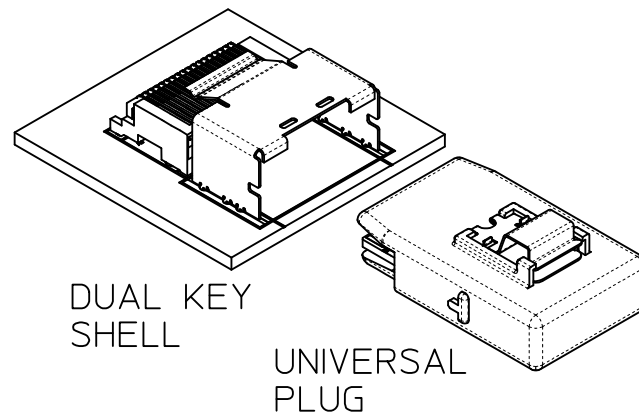
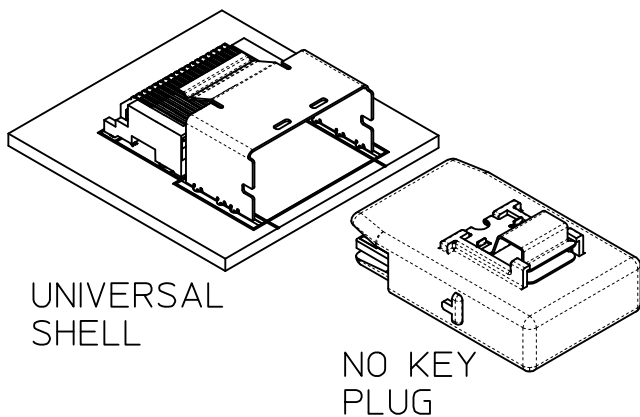
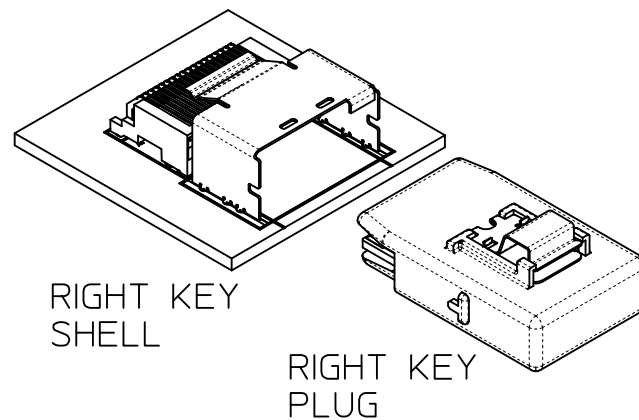
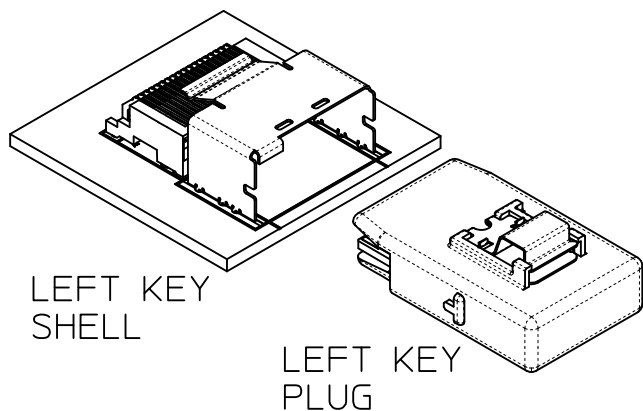
## NOTE:

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

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|                                                                                                                    |                                   |                                                            |                                       |                                                                                                                                  |                                 |  |                                                                           |                        |                           |
|--------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--|---------------------------------------------------------------------------|------------------------|---------------------------|
| SEE SHEET 1<br>EC NO: UCP2012-0644<br>DRWN: KLANG 2011/08/29<br>CHKD: MBANAKIS<br>APPR: MBANAKIS 2011/09/14<br>REV | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | DESCRIPTION                                                | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                                                                                                                  | DIMENSION STYLE<br>MM ONLY      |  | SCALE<br>5:1                                                              | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |
|                                                                                                                    |                                   |                                                            | mm INCH                               |                                                                                                                                  | DRAWN BY DATE<br>KLANG 02/09/05 |  | TITLE<br>I-PASS R/A CONNECTOR<br>INTERNAL ASSY W/SHELL<br>0.8MM PITCH I/O |                        |                           |
|                                                                                                                    | 4 PLACES ± --- ± ---              |                                                            | CHECKED BY DATE<br>JSWENSON 02/09/05  |                                                                                                                                  | molex MOLEX INCORPORATED        |  |                                                                           |                        |                           |
|                                                                                                                    | 3 PLACES ± --- ± ---              |                                                            | APPROVED BY DATE<br>MBANAKIS 02/02/05 |                                                                                                                                  |                                 |  |                                                                           |                        |                           |
|                                                                                                                    | 2 PLACES ± 0.13 ± ---             |                                                            | MATERIAL NO.                          |                                                                                                                                  | DOCUMENT NO.                    |  | SHEET NO.                                                                 |                        |                           |
|                                                                                                                    | 1 PLACE ± 0.25 ± ---              |                                                            | SEE CHART                             |                                                                                                                                  | SD-75783-001                    |  | 3 OF 12                                                                   |                        |                           |
| ANGULAR ±1/2°                                                                                                      |                                   | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                 |  |                                                                           |                        |                           |

# KEYING OPTIONS



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

SEE SHEET 1  
EC NO: UCP2012-0644  
DRAWN BY: DRWNLKANG  
CHKD: MBANAKIS  
APPR: MBANAKIS  
REV: 1

QUALITY SYMBOLS  
▽=0  
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

DIMENSION STYLE  
MM ONLY

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

MATERIAL NO.

SIZE

SEE CHART

SCALE  
2:1

DESIGN UNITS  
METRIC

THIRD ANGLE PROJECTION

DOCUMENT NO.  
SD-75783-001

SHEET NO.  
4 OF 12

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

iPass™ IS A TRADEMARK OF MOLEX

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

MOLEX INCORPORATED

26 CIRCUIT ITEM NUMBERS

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

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

iPass™ IS A TRADEMARK OF MOLEX

SEE SHEET 1

EC NO: UCP2012-0644

DRWN:KLANG

CHKD:

APPR:MBANAKIS

2011/08/29

2011/09/14

DESCRIPTION

REV

QUALITY SYMBOLS

▽=0

▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY

KLANG

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

2:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

TITLE

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

MOLEX

MOLEX INCORPORATED

DOCUMENT NO.

SD-75783-001

SHEET NO.

5 OF 12

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

# 36 CIRCUIT ITEM NUMBERS

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

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

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|                                                                                                                                           |                 |                                       |          |                                   |          |                                                                                       |                               |                        |  |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------|----------|-----------------------------------|----------|---------------------------------------------------------------------------------------|-------------------------------|------------------------|--|
| <b>ENTER DESCRIPTION</b><br>EC NO: UCP2012-0644<br>DRAWN BY: DRWINKLANG 2011/08/29<br>CHKD: MBANAKIS<br>APPR: MBANAKIS 2011/09/14<br>REV: | QUALITY SYMBOLS | 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 |  |
|                                                                                                                                           |                 | mm                                    | INCH     | DRAWN BY                          | DATE     | <b>I-PASS R/A CONNECTOR</b><br><b>INTERNAL ASSY W/SHELL</b><br><b>0.8MM PITCH I/O</b> |                               |                        |  |
|                                                                                                                                           |                 | 4 PLACES ± ---                        | ± ---    | KLANK                             | 02/09/05 |                                                                                       |                               |                        |  |
|                                                                                                                                           |                 | 3 PLACES ± ---                        | ± ---    | CHECKED BY                        | DATE     | <b>MOLEX INCORPORATED</b>                                                             |                               |                        |  |
|                                                                                                                                           |                 | 2 PLACES ± 0.13                       | ± ---    | JSWENSON                          | 02/09/05 |                                                                                       |                               |                        |  |
| 1 PLACE ± 0.25                                                                                                                            | ± ---           | APPROVED BY                           | DATE     | DOCUMENT NO. <b>SD-75783-001</b>  |          |                                                                                       |                               |                        |  |
| ANGULAR ± 1/2°                                                                                                                            |                 | MBANAKIS                              | 02/02/05 |                                   |          |                                                                                       |                               |                        |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                      |                 | MATERIAL NO.                          |          | SEE CHART                         |          | SHEET NO. 6 OF 12                                                                     |                               |                        |  |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION             |                 |                                       |          |                                   |          |                                                                                       |                               |                        |  |

50 CIRCUIT ITEM NUMBERS

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

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

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|                                                                                                         |                               |                                                            |  |                            |                  |                                                                                                                                  |                        |                        |  |           |  |
|---------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------|--|----------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------|--|-----------|--|
| SEE SHEET 1<br>EC NO: UCP2012-0644<br>DRAWN BY: DRWN:KLANG 2011/08/29<br>CHKD: APPR:MBANAKIS 2011/09/14 | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |  | DIMENSION STYLE<br>MM ONLY |                  | SCALE<br>2:1                                                                                                                     | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION |  |           |  |
|                                                                                                         |                               |                                                            |  | DRAWN BY<br>KLANG          | DATE<br>02/09/05 | TITLE<br>I-PASS R/A CONNECTOR<br>INTERNAL ASSY W/SHELL<br>0.8MM PITCH I/O<br>MOLEX MOLEX INCORPORATED                            |                        |                        |  |           |  |
|                                                                                                         |                               |                                                            |  | CHECKED BY<br>JSWENSON     | DATE<br>02/09/05 |                                                                                                                                  |                        |                        |  |           |  |
|                                                                                                         |                               |                                                            |  | APPROVED BY<br>MBANAKIS    | DATE<br>02/02/05 |                                                                                                                                  |                        |                        |  |           |  |
|                                                                                                         |                               |                                                            |  | ANGULAR ±1/2°              |                  | MATERIAL NO.                                                                                                                     |                        | DOCUMENT NO.           |  | SHEET NO. |  |
|                                                                                                         |                               | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | SEE CHART                  |                  | SD-75783-001                                                                                                                     |                        | 7 OF 12                |  |           |  |
|                                                                                                         |                               |                                                            |  | SIZE                       |                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                        |  |           |  |

# 68 CIRCUIT ITEM NUMBERS

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

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

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| <b>SEE SHEET 1</b><br>EC NO: UCP2012-0644<br>DRWN: KLANG 2011/08/29<br>CHKD: MBANAKIS<br>APPR: MBANAKIS 2011/09/14 | QUALITY SYMBOLS<br> = 0<br> = 0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                                                                                                                                                                                                   |           | DIMENSION STYLE<br><b>MM ONLY</b> |    | SCALE<br><b>2:1</b> | DESIGN UNITS<br><b>METRIC</b> | THIRD ANGLE PROJECTION |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |       |  |                                                                  |  |                                                                                                                 |  |              |  |              |           |  |           |  |              |         |  |
|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------|----|---------------------|-------------------------------|------------------------|-------|----------|-------|-------|----------|--------|-------|---------|--------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|------|-------|----------|------------|------|----------|----------|-------------|------|----------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------|--|------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|--|--------------|--|--------------|-----------|--|-----------|--|--------------|---------|--|
|                                                                                                                    |                                                                                                                                                                                                           | <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.13</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.25</td> <td>± ---</td> </tr> </table> |           |                                   | mm | INCH                | 4 PLACES                      | ± ---                  | ± --- | 3 PLACES | ± --- | ± --- | 2 PLACES | ± 0.13 | ± --- | 1 PLACE | ± 0.25 | ± --- | <table border="1"> <tr> <td>DRAWN BY</td> <td>DATE</td> </tr> <tr> <td>KLANG</td> <td>02/09/05</td> </tr> <tr> <td>CHECKED BY</td> <td>DATE</td> </tr> <tr> <td>JSWENSON</td> <td>02/09/05</td> </tr> <tr> <td>APPROVED BY</td> <td>DATE</td> </tr> <tr> <td>MBANAKIS</td> <td>02/02/05</td> </tr> </table> |  | DRAWN BY | DATE | KLANG | 02/09/05 | CHECKED BY | DATE | JSWENSON | 02/09/05 | APPROVED BY | DATE | MBANAKIS | 02/02/05 | <table border="1"> <tr> <td colspan="2">TITLE</td> </tr> <tr> <td colspan="2">I-PASS R/A CONNECTOR<br/>INTERNAL ASSY W/SHELL<br/>0.8MM PITCH I/O</td> </tr> <tr> <td colspan="2">  <b>MOLEX INCORPORATED</b> </td> </tr> <tr> <td colspan="2">MATERIAL NO.</td> <td>DOCUMENT NO.</td> <td colspan="2">SHEET NO.</td> </tr> <tr> <td colspan="2">SEE CHART</td> <td>SD-75783-001</td> <td colspan="2">8 OF 12</td> </tr> </table> |  | TITLE |  | I-PASS R/A CONNECTOR<br>INTERNAL ASSY W/SHELL<br>0.8MM PITCH I/O |  |  <b>MOLEX INCORPORATED</b> |  | MATERIAL NO. |  | DOCUMENT NO. | SHEET NO. |  | SEE CHART |  | SD-75783-001 | 8 OF 12 |  |
|                                                                                                                    |                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                         | mm        | INCH                              |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |       |  |                                                                  |  |                                                                                                                 |  |              |  |              |           |  |           |  |              |         |  |
|                                                                                                                    |                                                                                                                                                                                                           | 4 PLACES                                                                                                                                                                                                                                                                                                                | ± ---     | ± ---                             |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |       |  |                                                                  |  |                                                                                                                 |  |              |  |              |           |  |           |  |              |         |  |
|                                                                                                                    |                                                                                                                                                                                                           | 3 PLACES                                                                                                                                                                                                                                                                                                                | ± ---     | ± ---                             |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |       |  |                                                                  |  |                                                                                                                 |  |              |  |              |           |  |           |  |              |         |  |
| 2 PLACES                                                                                                           | ± 0.13                                                                                                                                                                                                    | ± ---                                                                                                                                                                                                                                                                                                                   |           |                                   |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |       |  |                                                                  |  |                                                                                                                 |  |              |  |              |           |  |           |  |              |         |  |
| 1 PLACE                                                                                                            | ± 0.25                                                                                                                                                                                                    | ± ---                                                                                                                                                                                                                                                                                                                   |           |                                   |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |       |  |                                                                  |  |                                                                                                                 |  |              |  |              |           |  |           |  |              |         |  |
| DRAWN BY                                                                                                           | DATE                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                         |           |                                   |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |       |  |                                                                  |  |                                                                                                                 |  |              |  |              |           |  |           |  |              |         |  |
| KLANG                                                                                                              | 02/09/05                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                         |           |                                   |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |       |  |                                                                  |  |                                                                                                                 |  |              |  |              |           |  |           |  |              |         |  |
| CHECKED BY                                                                                                         | DATE                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                         |           |                                   |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |       |  |                                                                  |  |                                                                                                                 |  |              |  |              |           |  |           |  |              |         |  |
| JSWENSON                                                                                                           | 02/09/05                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                         |           |                                   |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |       |  |                                                                  |  |                                                                                                                 |  |              |  |              |           |  |           |  |              |         |  |
| APPROVED BY                                                                                                        | DATE                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                         |           |                                   |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |       |  |                                                                  |  |                                                                                                                 |  |              |  |              |           |  |           |  |              |         |  |
| MBANAKIS                                                                                                           | 02/02/05                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                         |           |                                   |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |       |  |                                                                  |  |                                                                                                                 |  |              |  |              |           |  |           |  |              |         |  |
| TITLE                                                                                                              |                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                         |           |                                   |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |       |  |                                                                  |  |                                                                                                                 |  |              |  |              |           |  |           |  |              |         |  |
| I-PASS R/A CONNECTOR<br>INTERNAL ASSY W/SHELL<br>0.8MM PITCH I/O                                                   |                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                         |           |                                   |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |       |  |                                                                  |  |                                                                                                                 |  |              |  |              |           |  |           |  |              |         |  |
|  <b>MOLEX INCORPORATED</b>    |                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                         |           |                                   |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |       |  |                                                                  |  |                                                                                                                 |  |              |  |              |           |  |           |  |              |         |  |
| MATERIAL NO.                                                                                                       |                                                                                                                                                                                                           | DOCUMENT NO.                                                                                                                                                                                                                                                                                                            | SHEET NO. |                                   |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |       |  |                                                                  |  |                                                                                                                 |  |              |  |              |           |  |           |  |              |         |  |
| SEE CHART                                                                                                          |                                                                                                                                                                                                           | SD-75783-001                                                                                                                                                                                                                                                                                                            | 8 OF 12   |                                   |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |       |  |                                                                  |  |                                                                                                                 |  |              |  |              |           |  |           |  |              |         |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                         |                                                                                                                                                                                                           | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION                                                                                                                                                                                        |           |                                   |    |                     |                               |                        |       |          |       |       |          |        |       |         |        |       |                                                                                                                                                                                                                                                                                                             |  |          |      |       |          |            |      |          |          |             |      |          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |       |  |                                                                  |  |                                                                                                                 |  |              |  |              |           |  |           |  |              |         |  |

## -



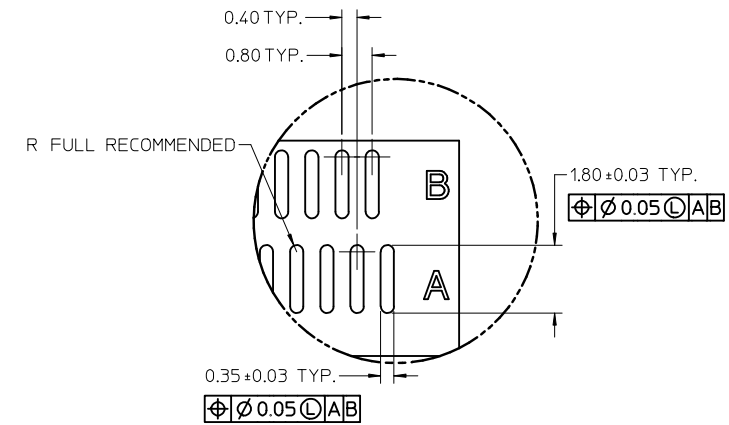
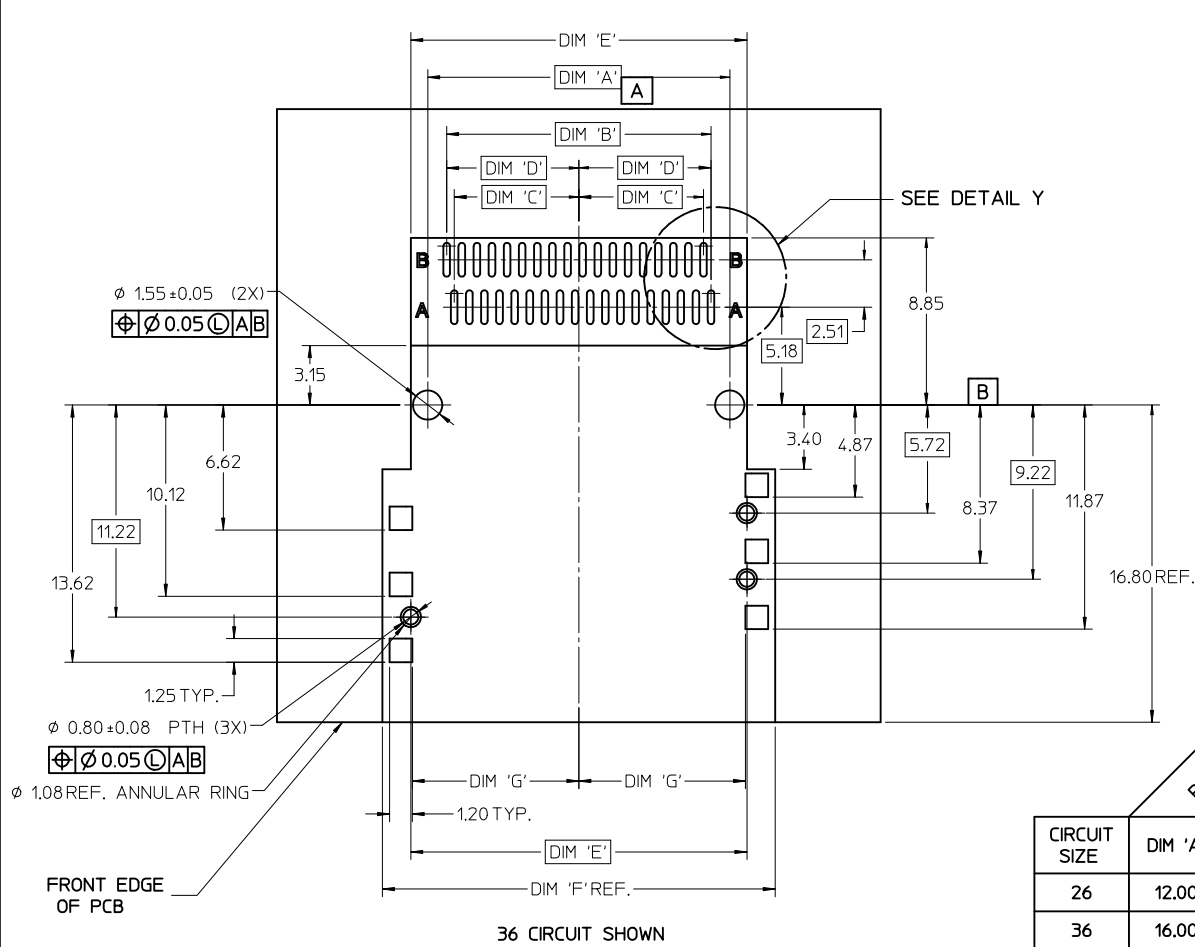
F

E

E

**A**

RIGHT ANGLE CONNECTOR  
WITH SMT SHELL  
PCB FOOT PRINT



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

iPass™ IS A TRADEMARK OF MOLEX

SEE SHEET 1

EC NO: UCP2012-0644

DRWN:KLANG

CHKD:

APPR:MBANAKIS

REV

2011/08/29

2011/09/14

DESCRIPTION

REV

QUALITY SYMBOLS

$\nabla=0$

$\nabla=0$

GENERAL TOLERANCES (UNLESS SPECIFIED)

|          | mm         | INCH        |
|----------|------------|-------------|
| 4 PLACES | $\pm 0.25$ | $\pm 0.010$ |
| 3 PLACES | $\pm 0.25$ | $\pm 0.010$ |
| 2 PLACES | $\pm 0.25$ | $\pm 0.010$ |
| 1 PLACE  | $\pm 0.25$ | $\pm 0.010$ |

ANGULAR  $\pm 1/2^\circ$

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

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

MATERIAL NO.

SEE CHART

SIZE

SCALE

5:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

TITLE

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

MOLEX INCORPORATED

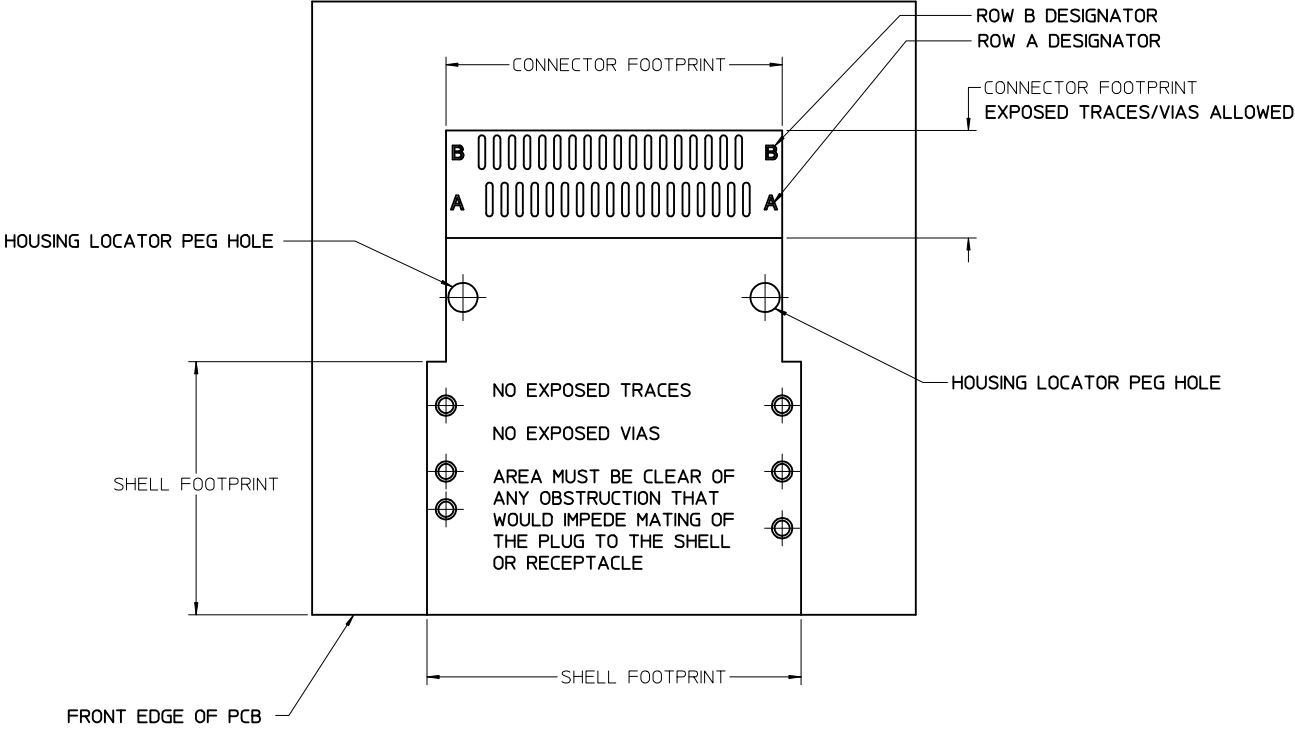
DOCUMENT NO.

SD-75783-001

SHEET NO.

10 OF 12

RIGHT ANGLE CONNECTOR WITH SHELL  
PCB FOOT PRINT DESCRIPTIONS



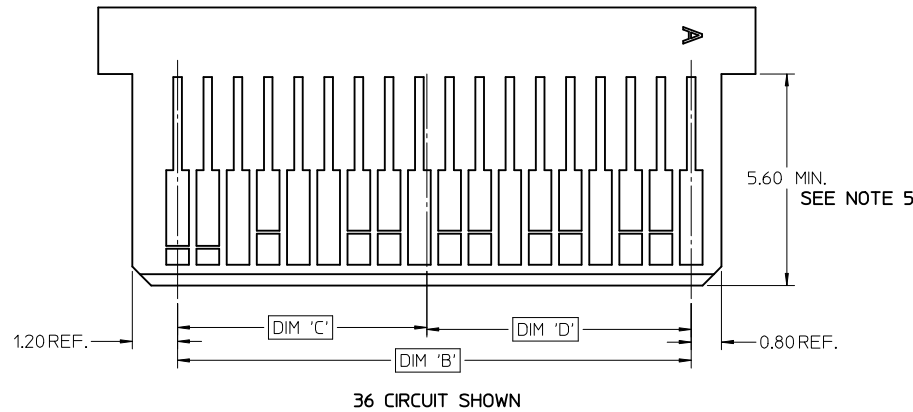
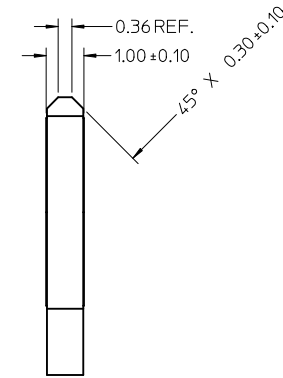
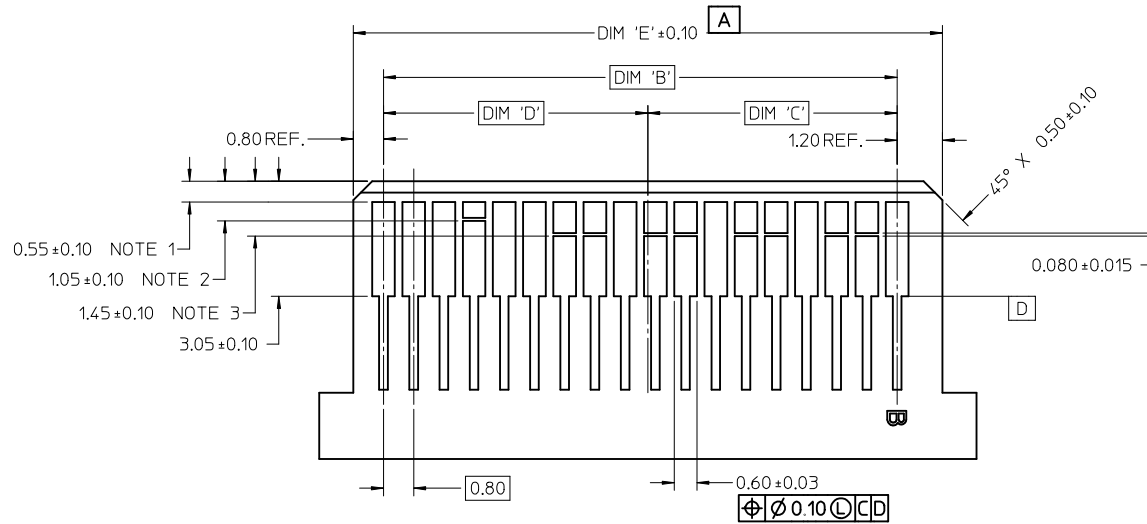
36 CIRCUIT SHOWN

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

iPass™ IS A TRADEMARK OF MOLEX

|                                                                                                       |             |                                   |                                                            |        |       |                            |          |                                                                                                                                  |                        |                           |                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------|-------------|-----------------------------------|------------------------------------------------------------|--------|-------|----------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SEE SHEET 1<br>EC NO: UCP2012-0644<br>DRAWN BY: DRWINKLANG<br>CHKD: MBANAKIS<br>APPR: MBANAKIS<br>REV | DESCRIPTION | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        |       | DIMENSION STYLE<br>MM ONLY |          | SCALE<br>5:1                                                                                                                     | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION | TITLE<br><br>I-PASS R/A CONNECTOR<br>INTERNAL ASSY W/SHELL<br>0.8MM PITCH I/O<br><br>MOLEX INCORPORATED<br><br>DOCUMENT NO.<br>SD-75783-001<br><br>SHEET NO.<br>11 OF 12 |
|                                                                                                       |             |                                   |                                                            | mm     | INCH  | DRAWN BY                   | DATE     |                                                                                                                                  |                        |                           |                                                                                                                                                                          |
|                                                                                                       |             |                                   | 4 PLACES                                                   | ± ---  | ± --- | KLANG                      | 02/09/05 |                                                                                                                                  |                        |                           |                                                                                                                                                                          |
|                                                                                                       |             |                                   | 3 PLACES                                                   | ± ---  | ± --- | CHECKED BY                 | DATE     |                                                                                                                                  |                        |                           |                                                                                                                                                                          |
|                                                                                                       |             |                                   | 2 PLACES                                                   | ± 0.13 | ± --- | JSWENSON                   | 02/09/05 |                                                                                                                                  |                        |                           |                                                                                                                                                                          |
|                                                                                                       |             |                                   | 1 PLACE                                                    | ± 0.25 | ± --- | APPROVED BY                | DATE     |                                                                                                                                  |                        |                           |                                                                                                                                                                          |
|                                                                                                       |             |                                   | ANGULAR ±1/2°                                              |        |       | MBANAKIS                   | 02/02/05 |                                                                                                                                  |                        |                           |                                                                                                                                                                          |
|                                                                                                       |             |                                   | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        |       | MATERIAL NO.<br>SEE CHART  |          |                                                                                                                                  |                        |                           |                                                                                                                                                                          |
|                                                                                                       |             |                                   |                                                            |        |       | SIZE<br>C                  |          | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                           |                                                                                                                                                                          |
|                                                                                                       |             |                                   |                                                            |        |       |                            |          |                                                                                                                                  |                        |                           |                                                                                                                                                                          |

# MATING INTERFACE (FOR REFERENCE ONLY)



## NOTES:

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

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

|                                                                                        |            |                                  |             |
|----------------------------------------------------------------------------------------|------------|----------------------------------|-------------|
| SEE SHEET 1<br>EC NO: UCP2012-0644<br>DRAWN: KLANG<br>CHKD: MBANAKIS<br>APPR: MBANAKIS | 2011/08/29 | QUALITY<br>SYMBOLS<br>▽=0<br>▽=0 | DESCRIPTION |
|                                                                                        | 2011/09/14 |                                  |             |
|                                                                                        |            |                                  |             |
|                                                                                        |            |                                  |             |

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

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

|                                                                  |                        |                           |
|------------------------------------------------------------------|------------------------|---------------------------|
| SCALE<br>10:1                                                    | DESIGN UNITS<br>METRIC | THIRD ANGLE<br>PROJECTION |
| I-PASS R/A CONNECTOR<br>INTERNAL ASSY W/SHELL<br>0.8MM PITCH I/O |                        |                           |
| MOLEX INCORPORATED                                               |                        |                           |
| DOCUMENT NO.<br>SD-75783-001                                     | SHEET NO.<br>12 OF 12  |                           |

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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