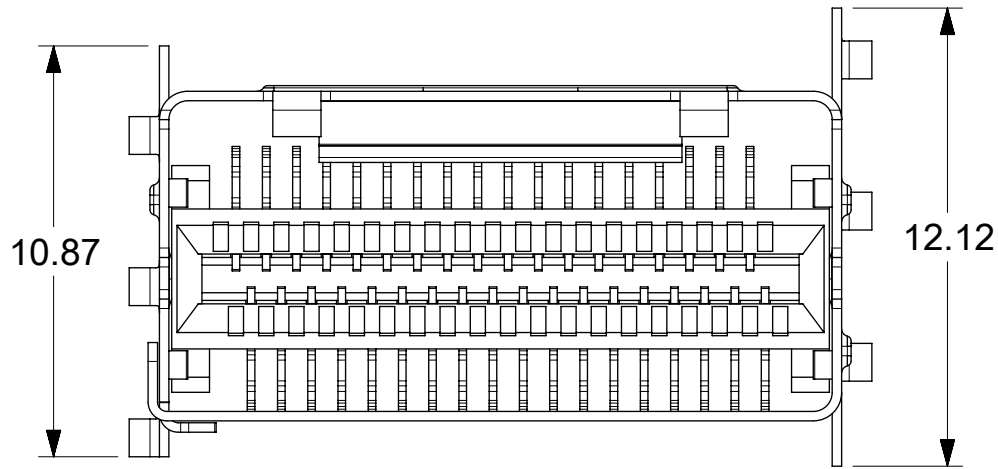
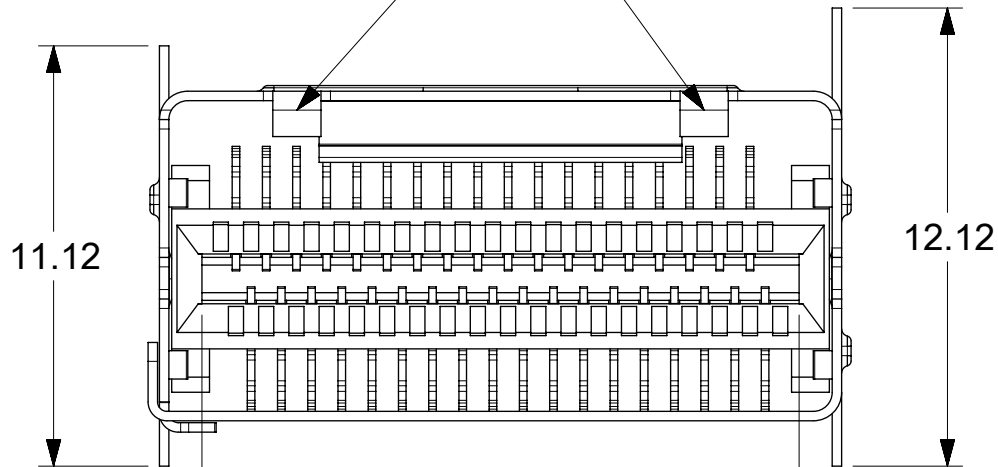


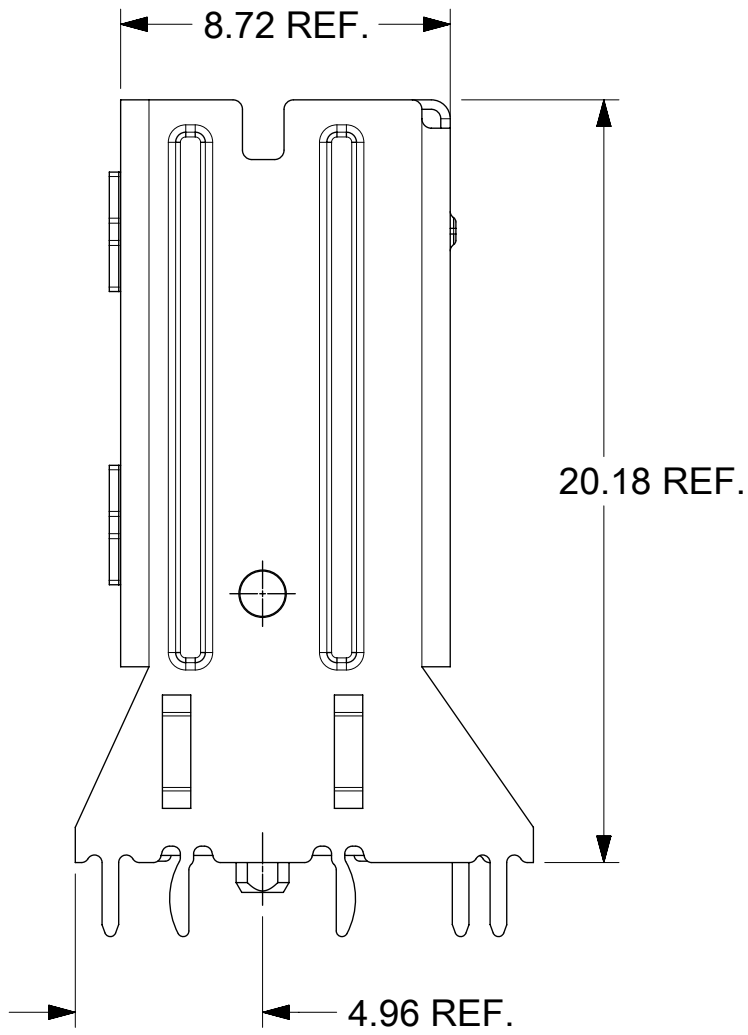
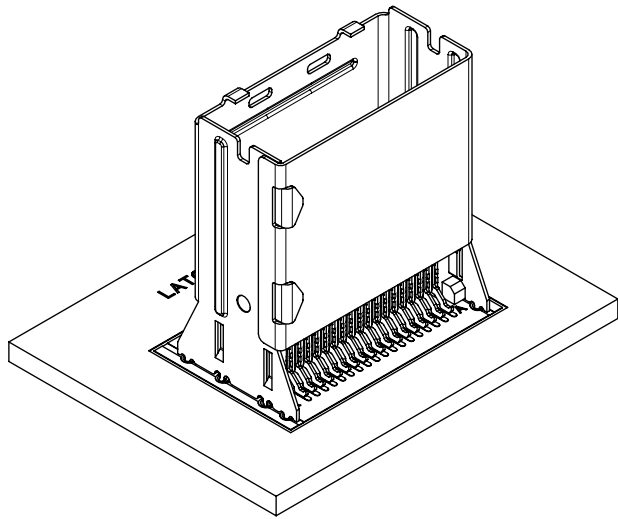
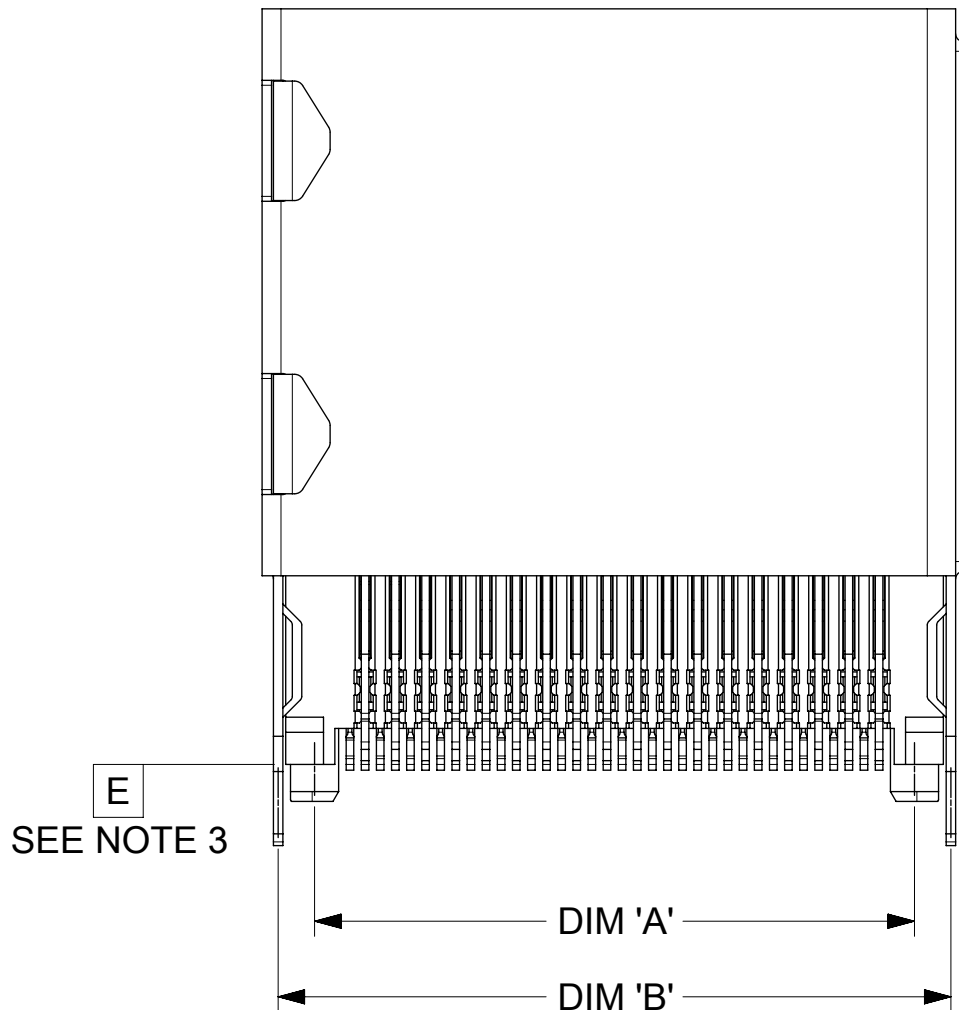


SMT

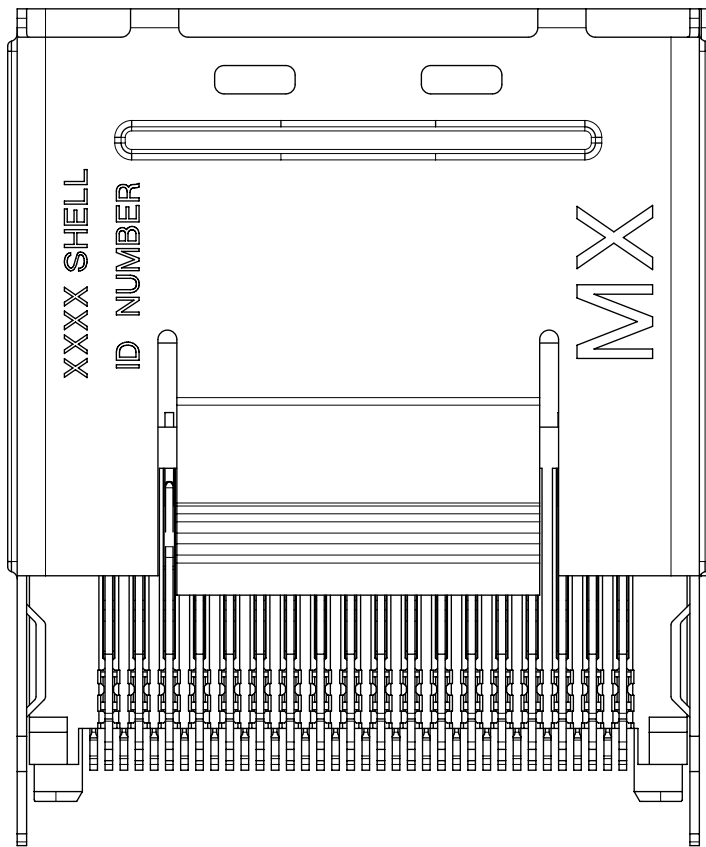
KEY LOCATIONS



DIM 'C'



36 CIRCUIT  
RETENTION FIT  
SHELL OPTION SHOWN

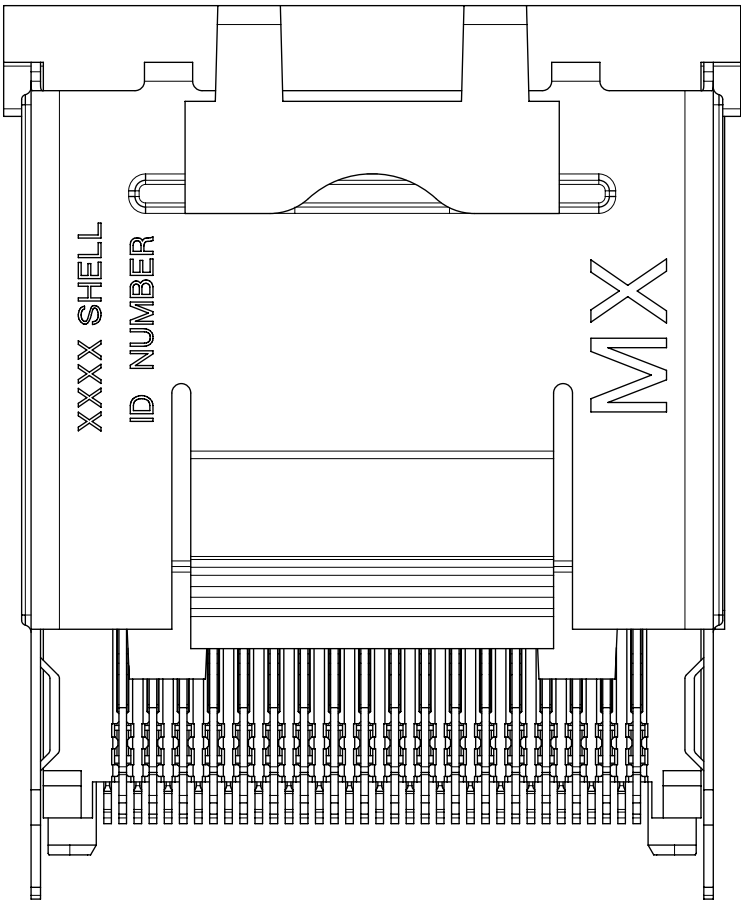
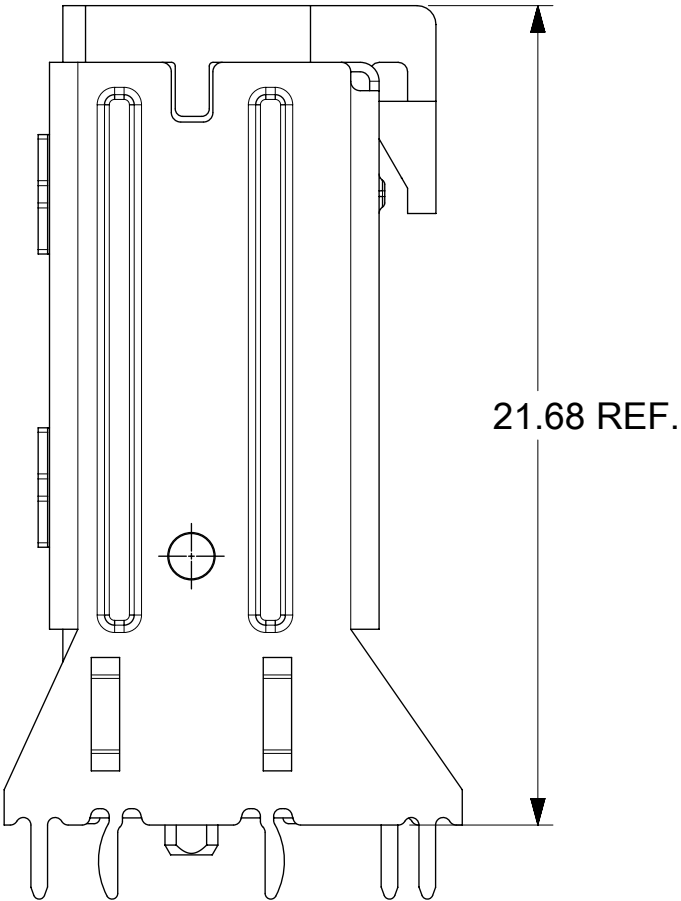
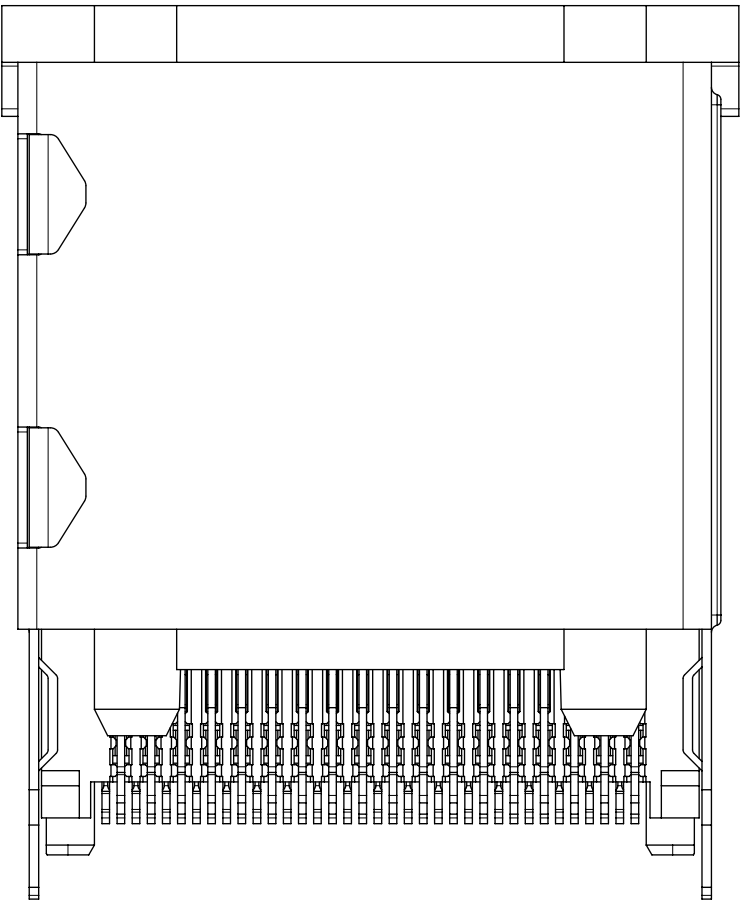
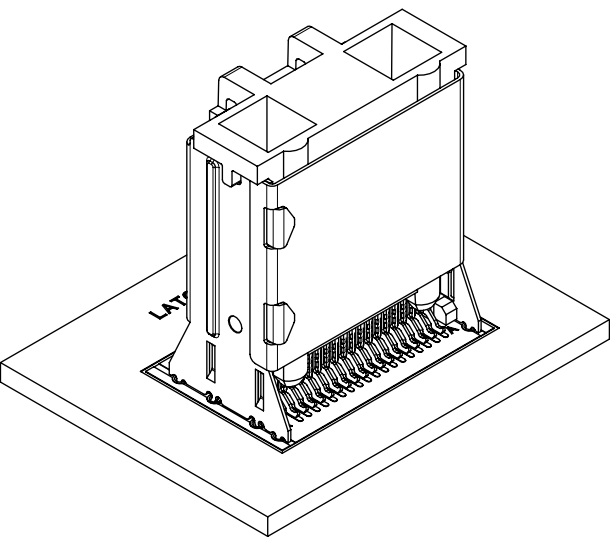
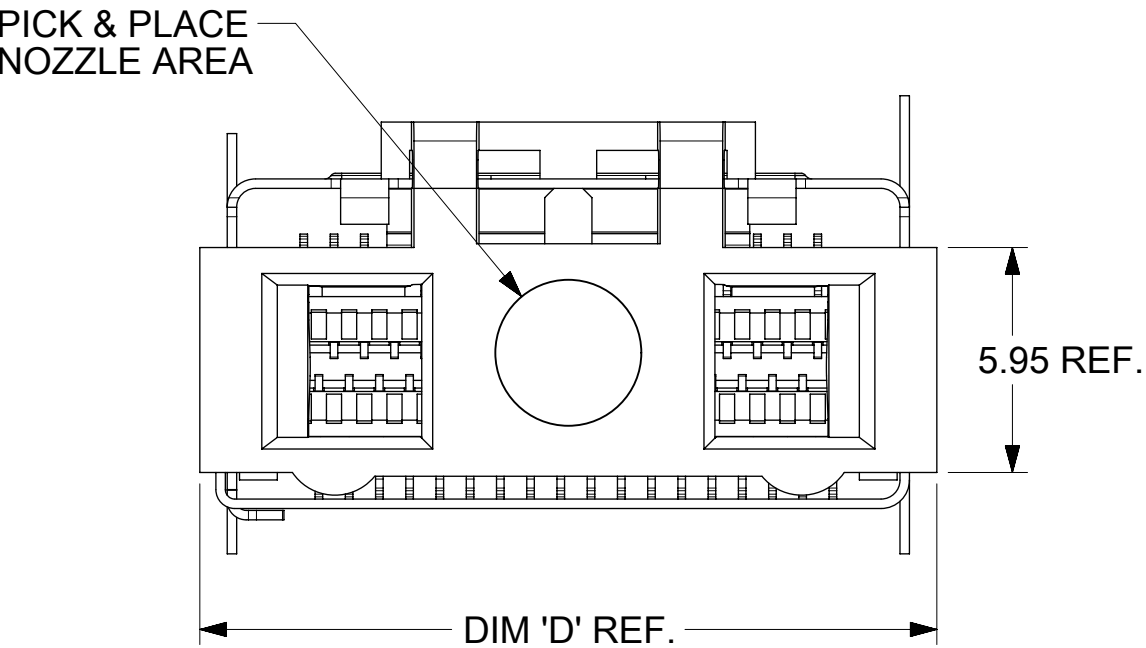


- NOTES:
- MATERIAL:  
CONNECTOR:  
HOUSING - HIGH TEMPERATURE THERMOPLASTIC GLASS FILLED, UL 94V-0, BLACK  
TERMINALS - COPPER ALLOY  
SHELL  
NICKEL SILVER, C770, THICKNESS: 0.250/0.254
  - FINISH:  
CONNECTOR  
OPTION 1  
CONTACT AREA - 0.38µm MIN GOLD OVER 2.54 µm NICKEL  
SOLDER FOOT AREA - 2.54-5.09µm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

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

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
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ASSEMBLY WITH PRE-POSITIONING DEVICE



36 CIRCUIT RETENTION FIT SHOWN

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

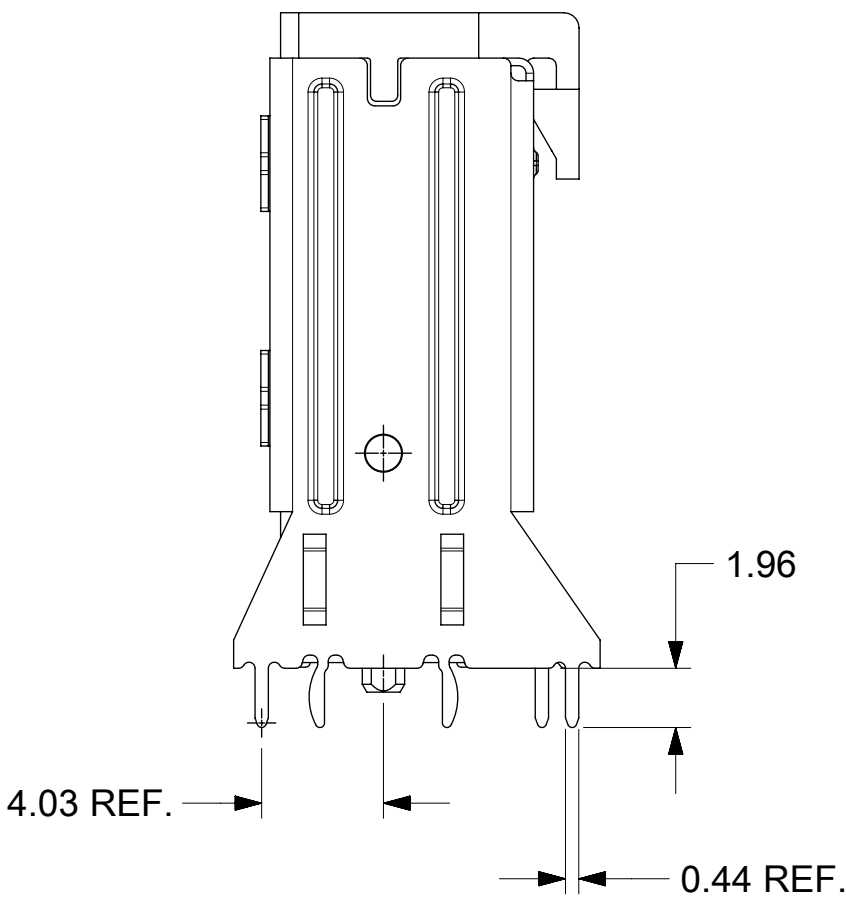
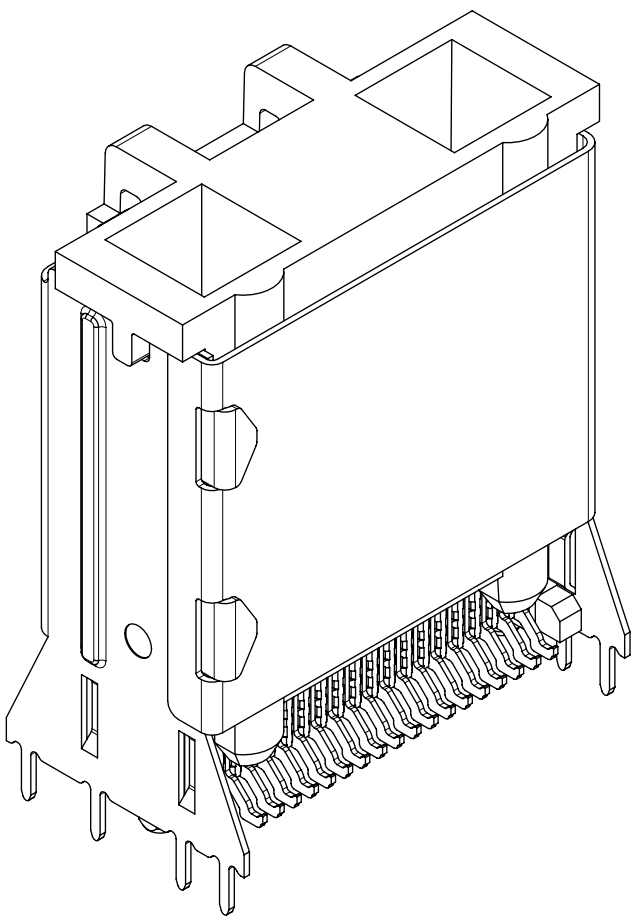
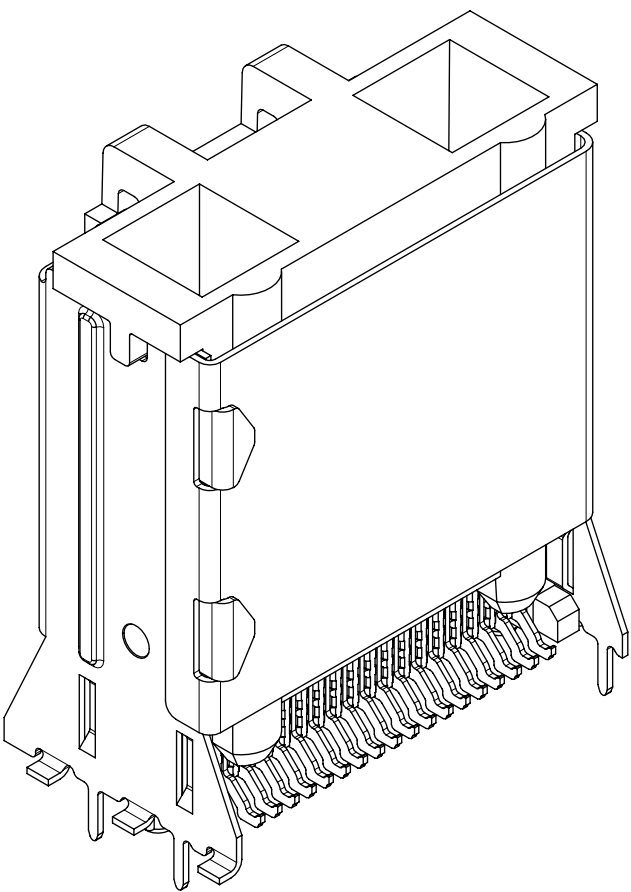
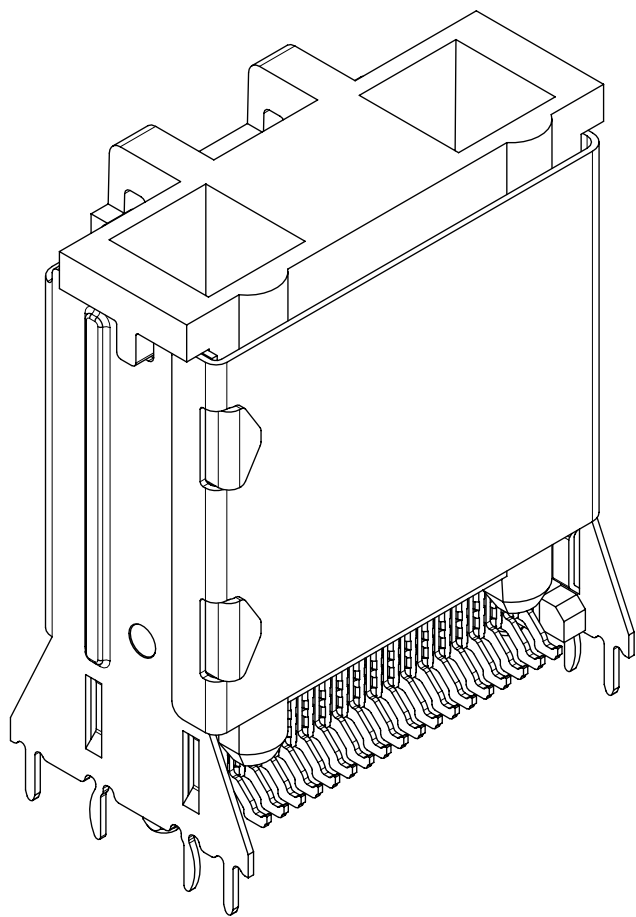
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| CIRCUIT SIZE | DIM 'D' |
|--------------|---------|
| 26           | 15.50   |
| 36           | 19.50   |
| 50           | 25.10   |
| 68           | 32.30   |

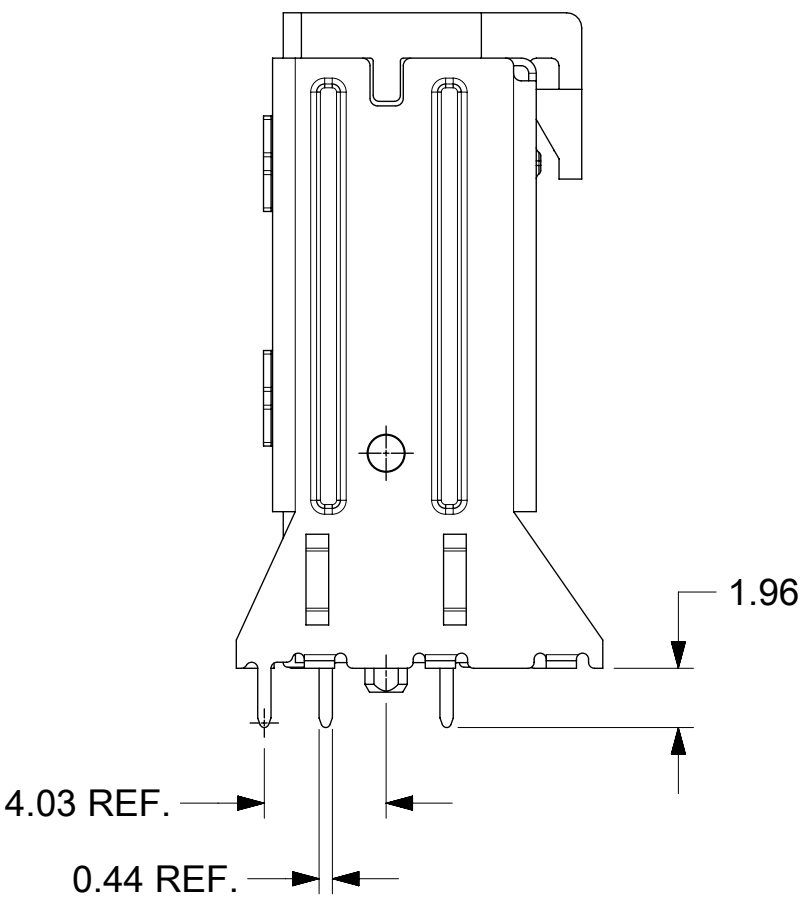
|                                                                                                                                               |  |        |  |                                                                                           |  |         |     |                                                                         |  |                 |  |                 |  |              |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|--|-------------------------------------------------------------------------------------------|--|---------|-----|-------------------------------------------------------------------------|--|-----------------|--|-----------------|--|--------------|----------|
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| DIMENSION UNITS                                                                                                                               |  | SCALE  |  | CURRENT REV DESC: OBSOLETE PART NUMBER<br>AS PER PCN#510579                               |  |         |     | <div>molex</div>                                                        |  |                 |  |                 |  |              |          |
| mm                                                                                                                                            |  | 5:1    |  |                                                                                           |  |         |     |                                                                         |  |                 |  |                 |  |              |          |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |        |  | EC NO: 675088<br>DRWN: SUGEEB 2021/08/03<br>CHK'D: GGA 2021/09/08<br>APPR: GGA 2021/09/08 |  |         |     | I-PASS VERT CONNECTOR<br>INTERNAL ASSY W/SHELL 0.8MM PITCH I/O          |  |                 |  |                 |  |              |          |
| ANGULAR TOL ± 0.5 °                                                                                                                           |  |        |  |                                                                                           |  |         |     | PRODUCT CUSTOMER DRAWING                                                |  |                 |  |                 |  |              |          |
| 4 PLACES                                                                                                                                      |  | ±      |  |                                                                                           |  |         |     | INITIAL REVISION:<br>DRWN: KLANG 2005/04/15<br>APPR: RNELSON 2005/04/18 |  |                 |  | DOCUMENT NUMBER |  | DOC TYPE     | DOC PART |
| 3 PLACES                                                                                                                                      |  | ±      |  | SD-75784-001                                                                              |  | PSD     | 001 |                                                                         |  |                 |  | D6              |  |              |          |
| 2 PLACES                                                                                                                                      |  | ± 0.13 |  |                                                                                           |  |         |     |                                                                         |  |                 |  |                 |  |              |          |
| 1 PLACE                                                                                                                                       |  | ± 0.25 |  |                                                                                           |  |         |     |                                                                         |  |                 |  |                 |  |              |          |
| 0 PLACES                                                                                                                                      |  | ±      |  |                                                                                           |  |         |     |                                                                         |  |                 |  |                 |  |              |          |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |        |  | THIRD ANGLE PROJECTION                                                                    |  | DRAWING |     | SERIES                                                                  |  | MATERIAL NUMBER |  | CUSTOMER        |  | SHEET NUMBER |          |
|                                                                                                                                               |  |        |  |                                                                                           |  | C-SIZE  |     | 75784                                                                   |  | SEE TABLE       |  | GENERAL MARKET  |  | 2 OF 13      |          |

|                 |    |              |            |          |
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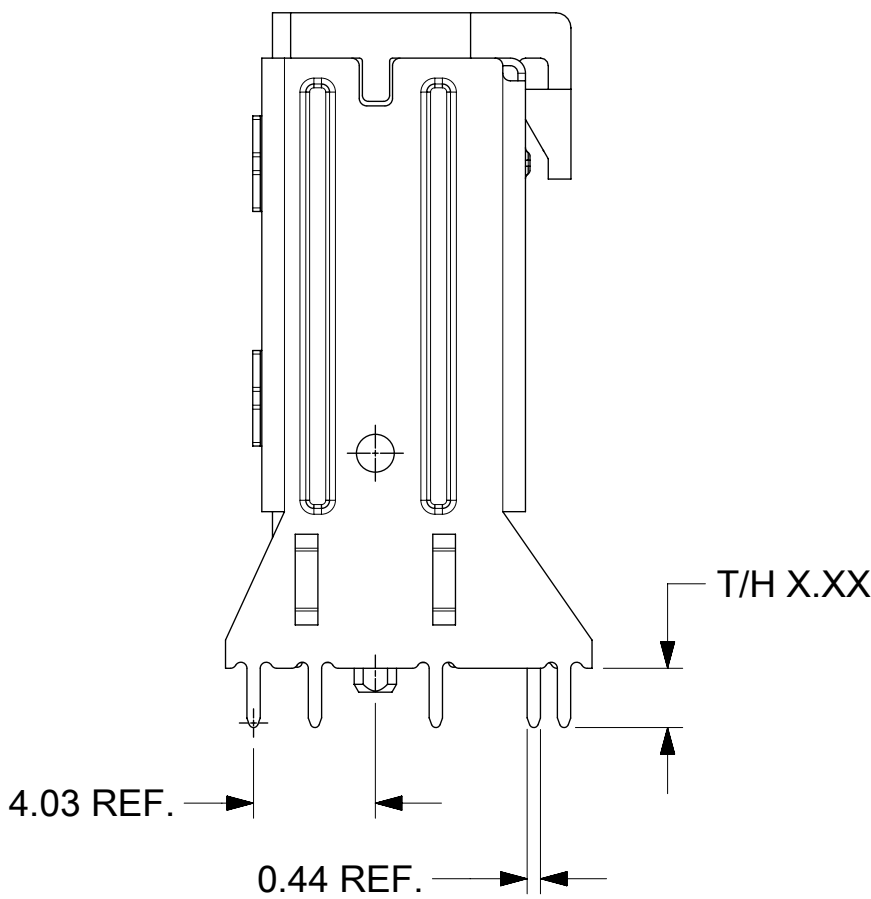
SHELL PCB INTERFACE



RETENTION-FIT  
SHELL OPTION



SMT SHELL OPTION



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

| RECOMMENDED PCB THICKNESS<br>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

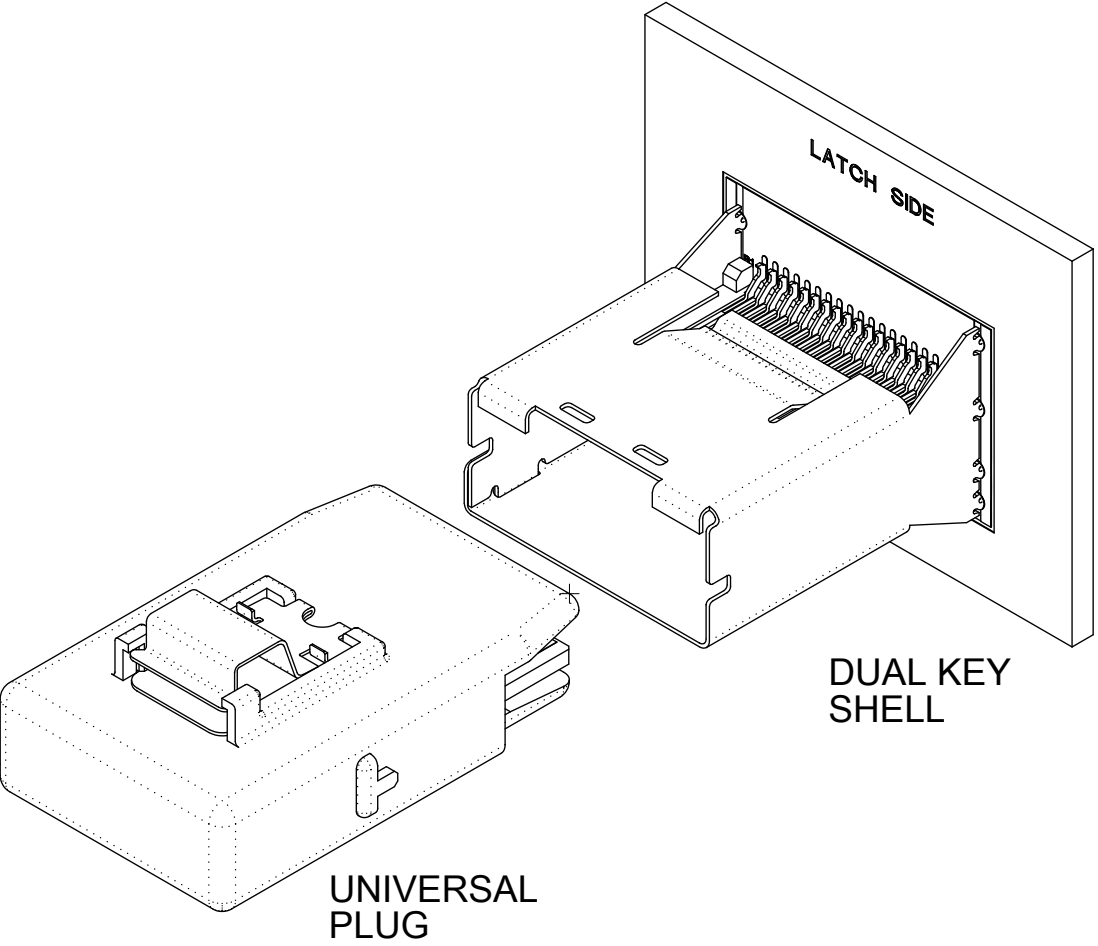
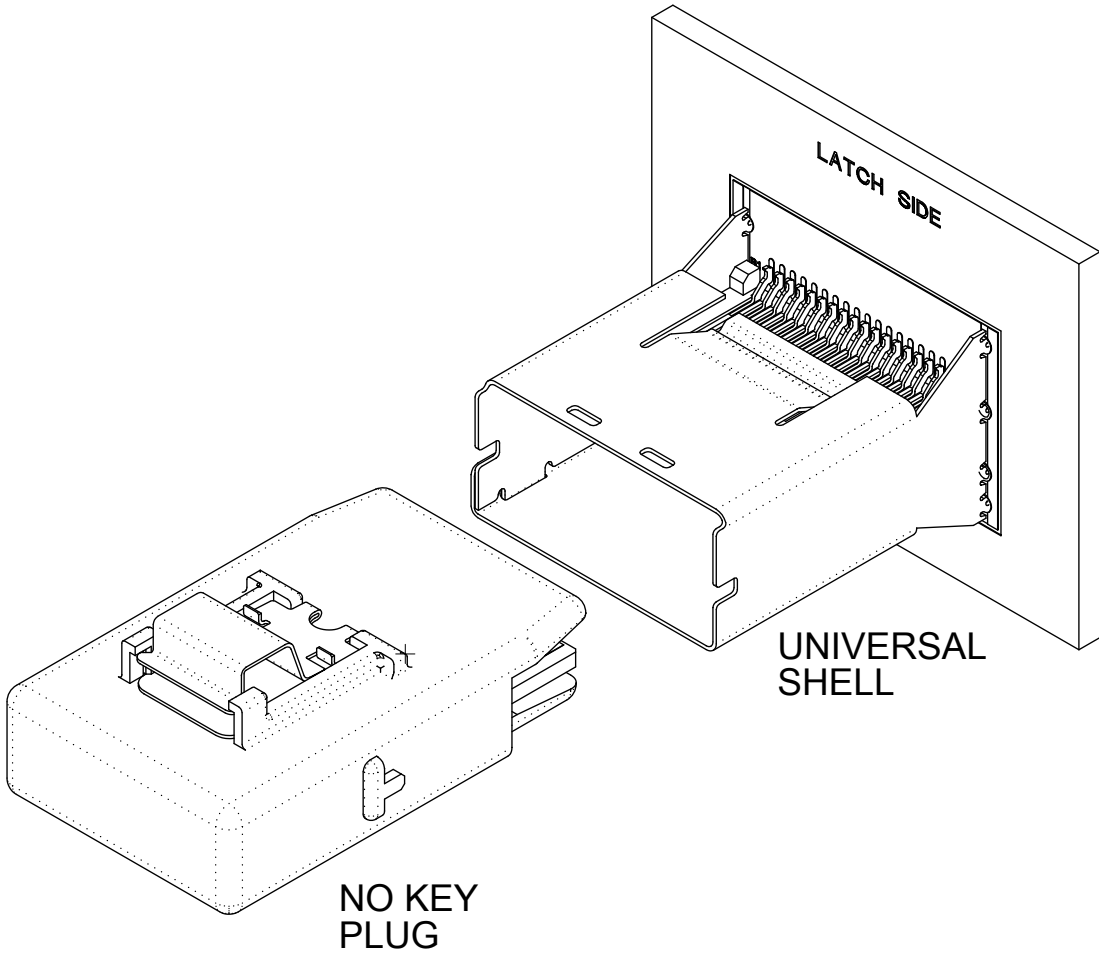
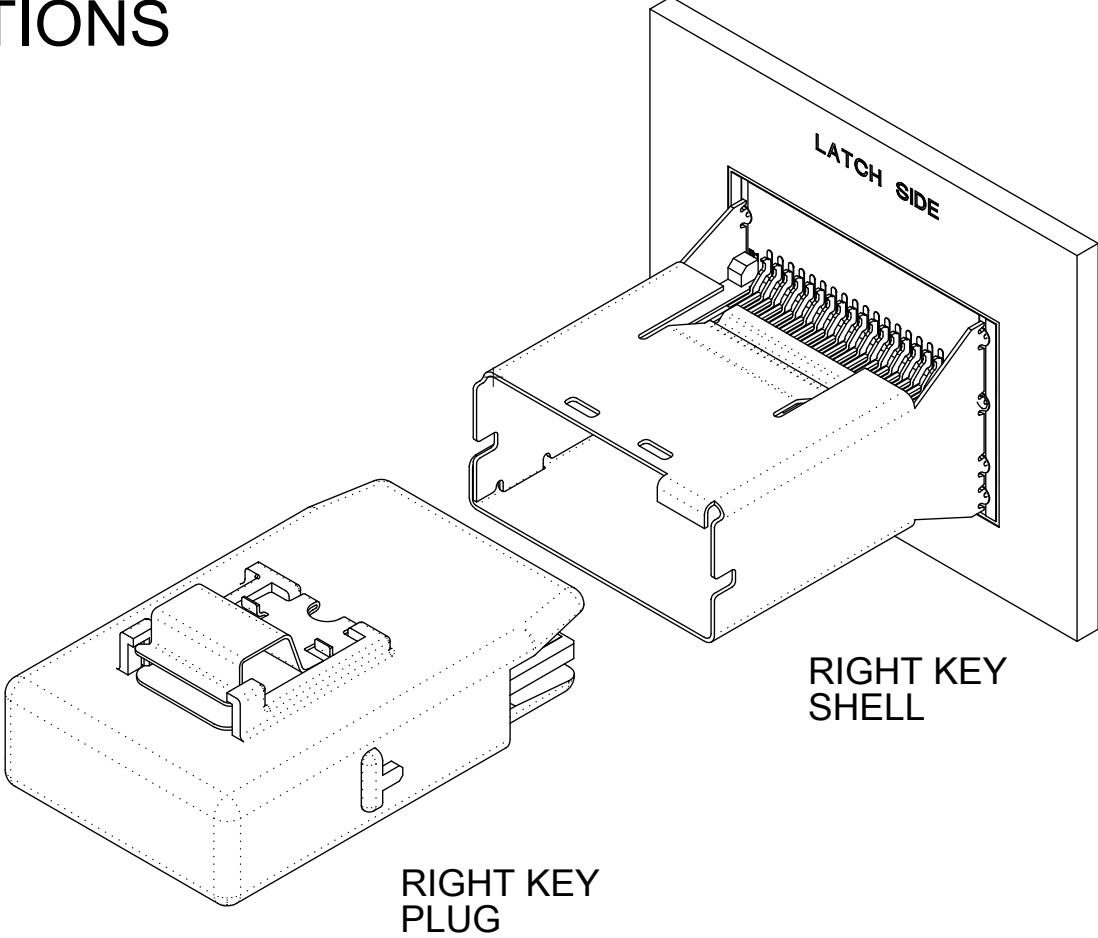
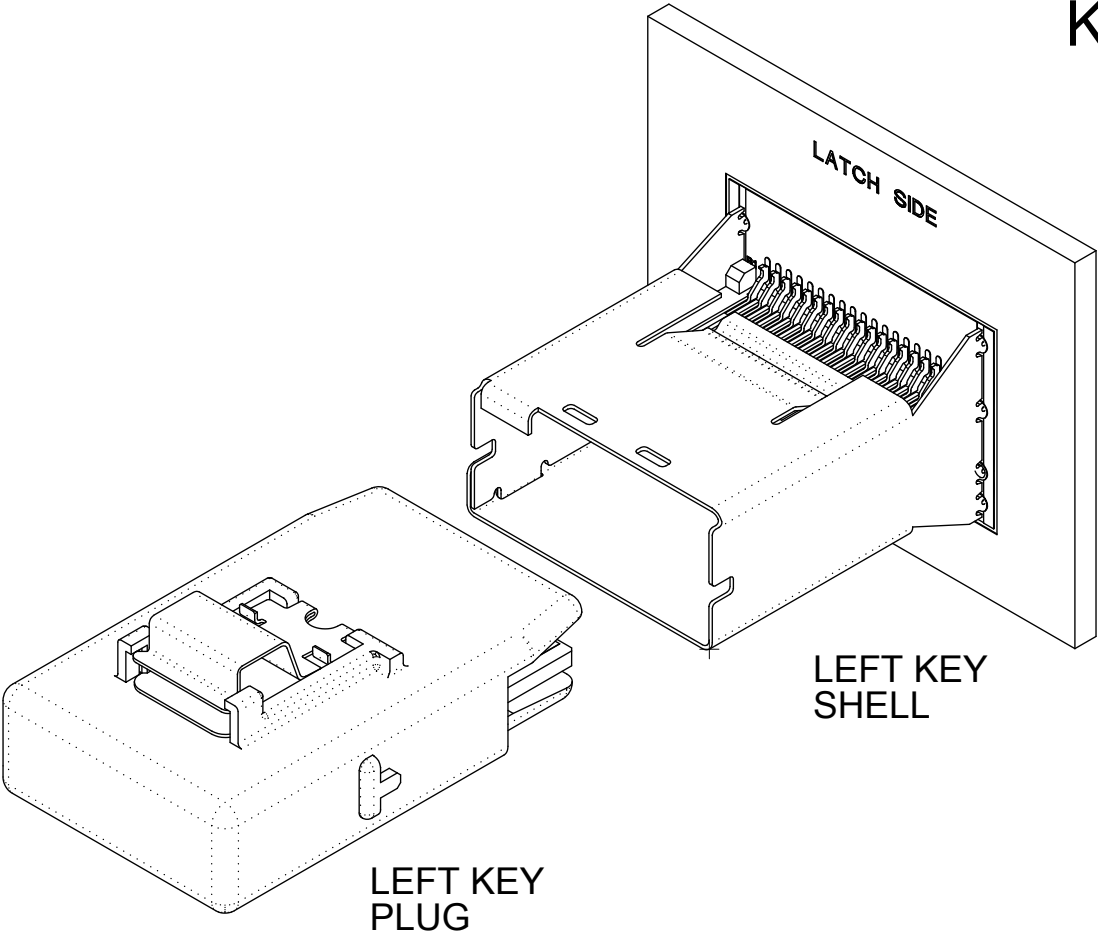
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|                                                                                                                                               |  |                                                                                                                 |  |                                                             |                       |  |                                                                |  |  |                     |          |                                  |                                |  |                             |  |     |     |    |
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| DIMENSION UNITS                                                                                                                               |  | SCALE                                                                                                           |  | CURRENT REV DESC: OBSOLETE PART NUMBER<br>AS PER PCN#510579 |                       |  | <div>molex</div>                                               |  |  |                     |          |                                  |                                |  |                             |  |     |     |    |
| mm                                                                                                                                            |  | 4:1                                                                                                             |  |                                                             |                       |  |                                                                |  |  |                     |          |                                  |                                |  |                             |  |     |     |    |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |                                                                                                                 |  |                                                             |                       |  | I-PASS VERT CONNECTOR<br>INTERNAL ASSY W/SHELL 0.8MM PITCH I/O |  |  |                     |          |                                  |                                |  |                             |  |     |     |    |
| ANGULAR TOL ± 0.5 °                                                                                                                           |  |                                                                                                                 |  |                                                             |                       |  |                                                                |  |  |                     |          |                                  |                                |  |                             |  |     |     |    |
| 4 PLACES                                                                                                                                      |  | ±                                                                                                               |  | EC NO: 675088                                               |                       |  | PRODUCT CUSTOMER DRAWING                                       |  |  |                     |          |                                  |                                |  |                             |  |     |     |    |
| 3 PLACES                                                                                                                                      |  | ±                                                                                                               |  | DRWN: SUGEEB 2021/08/03                                     |                       |  |                                                                |  |  |                     |          |                                  |                                |  |                             |  |     |     |    |
| 2 PLACES                                                                                                                                      |  | ± 0.13                                                                                                          |  | CHK'D: GGA 2021/09/08                                       |                       |  |                                                                |  |  |                     |          |                                  |                                |  |                             |  |     |     |    |
| 1 PLACE                                                                                                                                       |  | ± 0.25                                                                                                          |  | APPR: GGA 2021/09/08                                        |                       |  | DOCUMENT NUMBER<br><br>SD-75784-001                            |  |  |                     |          |                                  |                                |  |                             |  |     |     |    |
| 0 PLACES                                                                                                                                      |  | ±                                                                                                               |  | INITIAL REVISION:                                           |                       |  |                                                                |  |  | DOC TYPE            | DOC PART | REVISION                         |                                |  |                             |  |     |     |    |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  | THIRD ANGLE PROJECTION<br> |  |                                                             | DRAWING<br><br>C-SIZE |  |                                                                |  |  | SERIES<br><br>75784 |          | MATERIAL NUMBER<br><br>SEE TABLE | CUSTOMER<br><br>GENERAL MARKET |  | SHEET NUMBER<br><br>3 OF 13 |  |     |     |    |
|                                                                                                                                               |  |                                                                                                                 |  |                                                             |                       |  | DRWN: KLANG 2005/04/15                                         |  |  |                     |          |                                  |                                |  |                             |  | PSD | 001 | D6 |
|                                                                                                                                               |  |                                                                                                                 |  |                                                             |                       |  | APPR: RNELSON 2005/04/18                                       |  |  |                     |          |                                  |                                |  |                             |  |     |     |    |



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            |

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|                                                                                                                                               |  |        |  |                                                                                           |  |                |  |                  |  |                 |  |          |  |          |  |          |  |
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| DIMENSION UNITS                                                                                                                               |  | SCALE  |  | CURRENT REV DESC: OBSOLETE PART NUMBER<br>AS PER PCN#510579                               |  |                |  | <div>molex</div> |  |                 |  |          |  |          |  |          |  |
| mm                                                                                                                                            |  | 2:1    |  |                                                                                           |  |                |  |                  |  |                 |  |          |  |          |  |          |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |        |  | EC NO: 675088<br>DRWN: SUGEEB 2021/08/03<br>CHK'D: GGA 2021/09/08<br>APPR: GGA 2021/09/08 |  |                |  |                  |  |                 |  |          |  |          |  |          |  |
| ANGULAR TOL ± 0.5 °                                                                                                                           |  |        |  |                                                                                           |  |                |  |                  |  |                 |  |          |  |          |  |          |  |
| 4 PLACES                                                                                                                                      |  | ±      |  |                                                                                           |  |                |  |                  |  |                 |  |          |  |          |  |          |  |
| 3 PLACES                                                                                                                                      |  | ±      |  |                                                                                           |  |                |  |                  |  |                 |  |          |  |          |  |          |  |
| 2 PLACES                                                                                                                                      |  | ± 0.13 |  |                                                                                           |  |                |  |                  |  |                 |  |          |  |          |  |          |  |
| 1 PLACE                                                                                                                                       |  | ± 0.25 |  |                                                                                           |  |                |  |                  |  |                 |  |          |  |          |  |          |  |
| 0 PLACES                                                                                                                                      |  | ±      |  |                                                                                           |  |                |  |                  |  |                 |  |          |  |          |  |          |  |
| INITIAL REVISION:                                                                                                                             |  |        |  | PRODUCT CUSTOMER DRAWING                                                                  |  |                |  |                  |  |                 |  |          |  |          |  |          |  |
| DRWN: KLANG 2005/04/15<br>APPR: RNELSON 2005/04/18                                                                                            |  |        |  |                                                                                           |  |                |  |                  |  |                 |  |          |  |          |  |          |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |        |  | THIRD ANGLE PROJECTION                                                                    |  | DRAWING        |  | SERIES           |  | DOCUMENT NUMBER |  | DOC TYPE |  | DOC PART |  | REVISION |  |
|                                                                                                                                               |  |        |  |                                                                                           |  | C-SIZE         |  | 75784            |  | SD-75784-001    |  | PSD      |  | 001      |  | D6       |  |
|                                                                                                                                               |  |        |  | MATERIAL NUMBER                                                                           |  | CUSTOMER       |  |                  |  | SHEET NUMBER    |  |          |  |          |  |          |  |
|                                                                                                                                               |  |        |  | SEE TABLE                                                                                 |  | GENERAL MARKET |  |                  |  | 4 OF 13         |  |          |  |          |  |          |  |

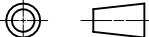
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|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2021/09/08 | 12:08:25 |
|-----------------|----|--------------|------------|----------|

26 CIRCUIT ITEM NUMBERS

| CIRCUIT SIZE | ITEM NUMBER | PLATING OPTION | SHELL PCB OPTION | SHELL KEY OPTION |
|--------------|-------------|----------------|------------------|------------------|
| 26           | 75784-0007  | OPTION 1       | RETENTION        | LEFT             |
| 26           | 75784-0012  | OPTION 1       | SMT              | DUAL             |
| 26           | 75784-0025  | OPTION 1       | RETENTION        | UNIVERSAL        |
| 26           | 75784-0026  | OPTION 1       | SMT              | UNIVERSAL        |
| 26           | 75784-0028  | OPTION 2       | SMT              | UNIVERSAL        |
| 26           | 75784-0032  | OPTION 1       | T/H 1.96         | UNIVERSAL        |

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

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|                                                                                                                                               |  |        |  |                                                             |                                                                                                                 |  |  |                   |                                                                                                                                                                          |                              |  |                            |  |                                                                |          |          |
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| DIMENSION UNITS                                                                                                                               |  | SCALE  |  | CURRENT REV DESC: OBSOLETE PART NUMBER<br>AS PER PCN#510579 |                                                                                                                 |  |  |                   | <div>molex</div>                                                                                                                                                         |                              |  |                            |  |                                                                |          |          |
| mm                                                                                                                                            |  | 1:1    |  |                                                             |                                                                                                                 |  |  |                   |                                                                                                                                                                          |                              |  |                            |  |                                                                |          |          |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |        |  |                                                             |                                                                                                                 |  |  |                   | EC NO: 675088<br>DRWN: SUGEEB 2021/08/03<br>CHK'D: GGA 2021/09/08<br>APPR: GGA 2021/09/08<br><br>INITIAL REVISION:<br>DRWN: KLANG 2005/04/15<br>APPR: RNELSON 2005/04/18 |                              |  |                            |  | I-PASS VERT CONNECTOR<br>INTERNAL ASSY W/SHELL 0.8MM PITCH I/O |          |          |
| ANGULAR TOL ± 0.5 °                                                                                                                           |  |        |  |                                                             |                                                                                                                 |  |  |                   |                                                                                                                                                                          |                              |  |                            |  |                                                                |          |          |
| 4 PLACES                                                                                                                                      |  | ±      |  |                                                             |                                                                                                                 |  |  |                   |                                                                                                                                                                          |                              |  |                            |  |                                                                |          |          |
| 3 PLACES                                                                                                                                      |  | ±      |  |                                                             |                                                                                                                 |  |  |                   |                                                                                                                                                                          |                              |  |                            |  |                                                                |          |          |
| 2 PLACES                                                                                                                                      |  | ± 0.13 |  |                                                             |                                                                                                                 |  |  |                   |                                                                                                                                                                          |                              |  |                            |  |                                                                |          |          |
| 1 PLACE                                                                                                                                       |  | ± 0.25 |  |                                                             |                                                                                                                 |  |  |                   |                                                                                                                                                                          |                              |  |                            |  |                                                                |          |          |
| 0 PLACES                                                                                                                                      |  | ±      |  |                                                             |                                                                                                                 |  |  |                   |                                                                                                                                                                          |                              |  |                            |  |                                                                |          |          |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |        |  |                                                             | THIRD ANGLE PROJECTION<br> |  |  | DRAWING<br>C-SIZE |                                                                                                                                                                          | SERIES<br>75784              |  | DOCUMENT NUMBER            |  | DOC TYPE                                                       | DOC PART | REVISION |
|                                                                                                                                               |  |        |  |                                                             |                                                                                                                 |  |  |                   |                                                                                                                                                                          |                              |  | SD-75784-001               |  | PSD                                                            | 001      | D6       |
|                                                                                                                                               |  |        |  |                                                             |                                                                                                                 |  |  |                   |                                                                                                                                                                          | MATERIAL NUMBER<br>SEE TABLE |  | CUSTOMER<br>GENERAL MARKET |  | SHEET NUMBER<br>5 OF 13                                        |          |          |
|                                                                                                                                               |  |        |  |                                                             |                                                                                                                 |  |  |                   |                                                                                                                                                                          |                              |  |                            |  |                                                                |          |          |

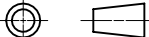
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|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2021/09/08 | 12:08:25 |
| 12              | 11 | 10           | 9          | 8        |

36 CIRCUIT ITEM NUMBERS

| CIRCUIT SIZE | ITEM NUMBER | PLATING OPTION | SHELL PCB OPTION | SHELL KEY OPTION |
|--------------|-------------|----------------|------------------|------------------|
| 36           | 75784-0109  | OPTION 1       | RETENTION        | DUAL             |
| 36           | 75784-0110  | OPTION 1       | SMT              | LEFT             |
| 36           | 75784-0111  | OPTION 1       | SMT              | RIGHT            |
| 36           | 75784-0112  | OPTION 1       | SMT              | DUAL             |
| 36           | 75784-0119  | OPTION 2       | RETENTION        | LEFT             |
| 36           | 75784-0120  | OPTION 2       | RETENTION        | RIGHT            |
| 36           | 75784-0121  | OPTION 2       | RETENTION        | DUAL             |
| 36           | 75784-0125  | OPTION 1       | RETENTION        | UNIVERSAL        |
| 36           | 75784-0126  | OPTION 1       | SMT              | UNIVERSAL        |
| 36           | 75784-0127  | OPTION 2       | RETENTION        | UNIVERSAL        |
| 36           | 75784-0131  | OPTION 1       | T/H 1.96         | DUAL             |
| 36           | 75784-0132  | OPTION 1       | T/H 1.96         | UNIVERSAL        |
| 36           | 75784-0136  | OPTION 2       | T/H 1.96         | UNIVERSAL        |

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

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|                                                                                                                                               |  |        |  |                                                                                       |  |         |        |                                                                |  |                |          |              |
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| DIMENSION UNITS                                                                                                                               |  | SCALE  |  | CURRENT REV DESC: OBSOLETE PART NUMBER<br>AS PER PCN#510579                           |  |         |        | <div>molex</div>                                               |  |                |          |              |
| mm                                                                                                                                            |  | 1:1    |  |                                                                                       |  |         |        |                                                                |  |                |          |              |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |        |  |                                                                                       |  |         |        | I-PASS VERT CONNECTOR<br>INTERNAL ASSY W/SHELL 0.8MM PITCH I/O |  |                |          |              |
| ANGULAR TOL ± 0.5 °                                                                                                                           |  |        |  |                                                                                       |  |         |        |                                                                |  |                |          |              |
| 4 PLACES                                                                                                                                      |  | ±      |  |                                                                                       |  |         |        | EC NO: 675088<br>DRWN: SUGEEB 2021/08/03                       |  |                |          |              |
| 3 PLACES                                                                                                                                      |  | ±      |  | CHK'D: GGA 2021/09/08                                                                 |  |         |        |                                                                |  |                |          |              |
| 2 PLACES                                                                                                                                      |  | ± 0.13 |  | APPR: GGA 2021/09/08                                                                  |  |         |        |                                                                |  |                |          |              |
| 1 PLACE                                                                                                                                       |  | ± 0.25 |  | INITIAL REVISION:<br>DRWN: KLANG 2005/04/15<br>APPR: RNELSON 2005/04/18               |  |         |        | DOCUMENT NUMBER                                                |  | DOC TYPE       | DOC PART | REVISION     |
| 0 PLACES                                                                                                                                      |  | ±      |  |                                                                                       |  |         |        | SD-75784-001                                                   |  | PSD            | 001      | D6           |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |        |  | THIRD ANGLE PROJECTION                                                                |  | DRAWING | SERIES | MATERIAL NUMBER                                                |  | CUSTOMER       |          | SHEET NUMBER |
|                                                                                                                                               |  |        |  |  |  | C-SIZE  | 75784  | SEE TABLE                                                      |  | GENERAL MARKET |          | 6 OF 13      |

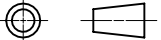


50 CIRCUIT ITEM NUMBERS

| CIRCUIT SIZE | ITEM NUMBER | PLATING OPTION | SHELL PCB OPTION | SHELL KEY OPTION |
|--------------|-------------|----------------|------------------|------------------|
| 50           | 75784-0232  | OPTION 1       | T/H 1.96         | UNIVERSAL        |

| CIRCUIT SIZE | ITEM NUMBER | PLATING OPTION | SHELL PCB OPTION | SHELL KEY OPTION |
|--------------|-------------|----------------|------------------|------------------|
| 50           | 75784-0240  | OPTION 1       | T/H 2.79         | UNIVERSAL        |
| 50           | 75784-0244  | OPTION 2       | T/H 2.79         | UNIVERSAL        |
| 50           | 75784-0252  | OPTION 2       | T/H 3.18         | UNIVERSAL        |

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|                                                                                                                                               |  |        |  |                                                                         |  |        |  |                                                                                           |  |                |  |                                                                |  |              |  |          |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|--|-------------------------------------------------------------------------|--|--------|--|-------------------------------------------------------------------------------------------|--|----------------|--|----------------------------------------------------------------|--|--------------|--|----------|--|
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| DIMENSION UNITS                                                                                                                               |  | SCALE  |  | CURRENT REV DESC: OBSOLETE PART NUMBER<br>AS PER PCN#510579             |  |        |  | <div>molex</div>                                                                          |  |                |  |                                                                |  |              |  |          |  |
| mm                                                                                                                                            |  | 1:1    |  |                                                                         |  |        |  |                                                                                           |  |                |  |                                                                |  |              |  |          |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |        |  |                                                                         |  |        |  | EC NO: 675088<br>DRWN: SUGEEB 2021/08/03<br>CHK'D: GGA 2021/09/08<br>APPR: GGA 2021/09/08 |  |                |  | I-PASS VERT CONNECTOR<br>INTERNAL ASSY W/SHELL 0.8MM PITCH I/O |  |              |  |          |  |
| ANGULAR TOL ± 0.5 °                                                                                                                           |  |        |  |                                                                         |  |        |  |                                                                                           |  |                |  |                                                                |  |              |  |          |  |
| 4 PLACES                                                                                                                                      |  | ±      |  |                                                                         |  |        |  |                                                                                           |  |                |  |                                                                |  |              |  |          |  |
| 3 PLACES                                                                                                                                      |  | ±      |  |                                                                         |  |        |  |                                                                                           |  |                |  |                                                                |  |              |  |          |  |
| 2 PLACES                                                                                                                                      |  | ± 0.13 |  |                                                                         |  |        |  |                                                                                           |  |                |  |                                                                |  |              |  |          |  |
| 1 PLACE                                                                                                                                       |  | ± 0.25 |  |                                                                         |  |        |  |                                                                                           |  |                |  |                                                                |  |              |  |          |  |
| 0 PLACES                                                                                                                                      |  | ±      |  |                                                                         |  |        |  |                                                                                           |  |                |  |                                                                |  |              |  |          |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |        |  | INITIAL REVISION:<br>DRWN: KLANG 2005/04/15<br>APPR: RNELSON 2005/04/18 |  |        |  | DOCUMENT NUMBER                                                                           |  |                |  | DOC TYPE                                                       |  | DOC PART     |  | REVISION |  |
|                                                                                                                                               |  |        |  |                                                                         |  |        |  | SD-75784-001                                                                              |  |                |  | PSD                                                            |  | 001          |  | D6       |  |
| THIRD ANGLE PROJECTION                                                                                                                        |  |        |  | DRAWING                                                                 |  | SERIES |  | MATERIAL NUMBER                                                                           |  | CUSTOMER       |  |                                                                |  | SHEET NUMBER |  |          |  |
|                                                          |  |        |  | C-SIZE                                                                  |  | 75784  |  | SEE TABLE                                                                                 |  | GENERAL MARKET |  |                                                                |  | 7 OF 13      |  |          |  |

|                 |    |              |            |          |
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| DOCUMENT STATUS | P1 | RELEASE DATE | 2021/09/08 | 12:08:25 |
|-----------------|----|--------------|------------|----------|

68 CIRCUIT ITEM NUMBERS

| CIRCUIT SIZE | ITEM NUMBER | PLATING OPTION | SHELL PCB OPTION | SHELL KEY OPTION |
|--------------|-------------|----------------|------------------|------------------|
| 68           | 75784-0332  | OPTION 1       | T/H 1.96         | UNIVERSAL        |
| 68           | 75784-0336  | OPTION 2       | T/H 1.96         | UNIVERSAL        |

| CIRCUIT SIZE | ITEM NUMBER | PLATING OPTION | SHELL PCB OPTION | SHELL KEY OPTION |
|--------------|-------------|----------------|------------------|------------------|
| 68           | 75784-0338  | OPTION 1       | T/H 2.79         | RIGHT            |
| 68           | 75784-0340  | OPTION 1       | T/H 2.79         | UNIVERSAL        |
| 68           | 75784-0344  | OPTION 2       | T/H 2.79         | UNIVERSAL        |
| 68           | 75784-0348  | OPTION 1       | T/H 3.18         | UNIVERSAL        |
| 68           | 75784-0352  | OPTION 2       | T/H 3.18         | UNIVERSAL        |

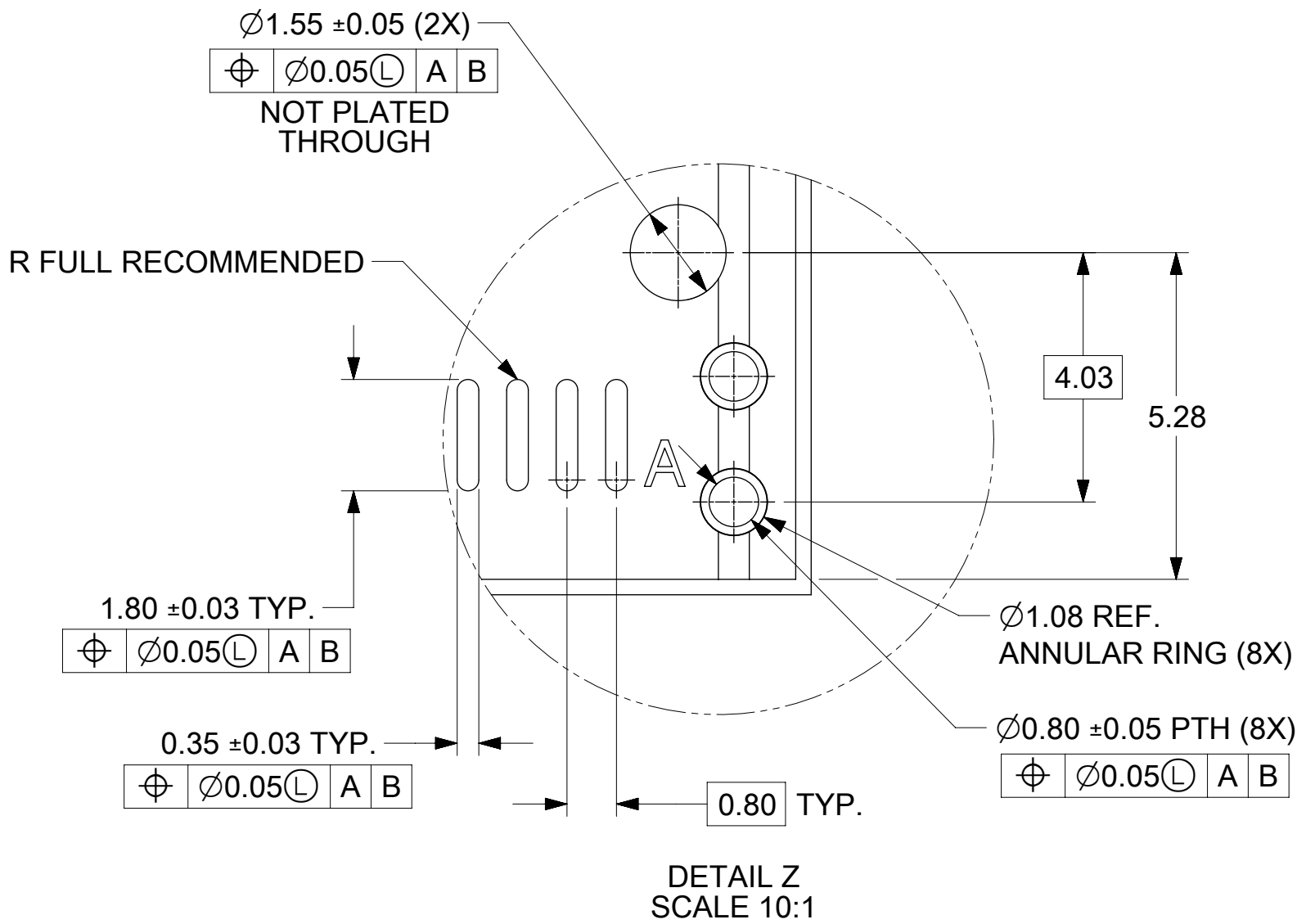
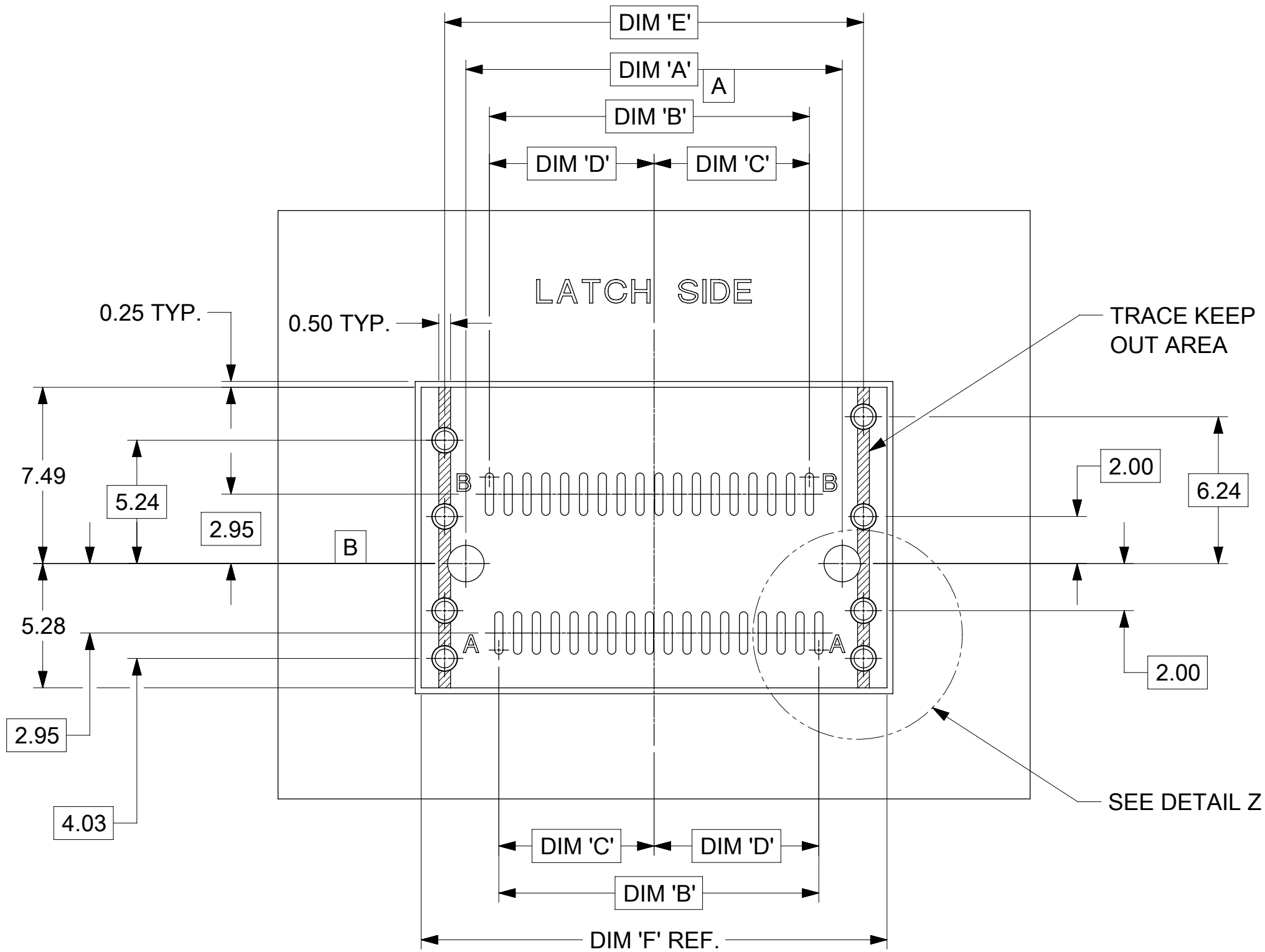
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|                                                                                                                                               |  |       |  |                                                             |  |  |  |  |                                                                |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-------|--|-------------------------------------------------------------|--|--|--|--|----------------------------------------------------------------|--|--|--|--|
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| DIMENSION UNITS                                                                                                                               |  | SCALE |  | CURRENT REV DESC: OBSOLETE PART NUMBER<br>AS PER PCN#510579 |  |  |  |  | <div>molex</div>                                               |  |  |  |  |
| mm                                                                                                                                            |  | 1:1   |  |                                                             |  |  |  |  |                                                                |  |  |  |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |       |  |                                                             |  |  |  |  | I-PASS VERT CONNECTOR<br>INTERNAL ASSY W/SHELL 0.8MM PITCH I/O |  |  |  |  |
| ANGULAR TOL    ±    0.5 °                                                                                                                     |  |       |  |                                                             |  |  |  |  |                                                                |  |  |  |  |
| 4 PLACES                                                                                                                                      |  | ±     |  | EC NO: 675088                                               |  |  |  |  | PRODUCT CUSTOMER DRAWING                                       |  |  |  |  |
| 3 PLACES                                                                                                                                      |  | ±     |  | DRWN: SUGEEB                                                |  |  |  |  |                                                                |  |  |  |  |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2021/09/08 | 12:08:25 |
|-----------------|----|--------------|------------|----------|



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



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

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|                                                      |        |                                                          |         |        |
|------------------------------------------------------|--------|----------------------------------------------------------|---------|--------|
| DIMENSION UNITS                                      | SCALE  | CURRENT REV DESC: OBSOLETE PART NUMBER AS PER PCN#510579 |         |        |
| mm                                                   | 5:1    |                                                          |         |        |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                |        |                                                          |         |        |
| ANGULAR TOL                                          | ± 0.5° |                                                          |         |        |
| 4 PLACES                                             | ±      |                                                          |         |        |
| 3 PLACES                                             | ±      |                                                          |         |        |
| 2 PLACES                                             | ± 0.13 |                                                          |         |        |
| 1 PLACE                                              | ± 0.25 |                                                          |         |        |
| 0 PLACES                                             | ±      |                                                          |         |        |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |        | THIRD ANGLE PROJECTION                                   | DRAWING | SERIES |
|                                                      |        |                                                          | C-SIZE  | 75784  |

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

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

SD-75784-001

DOC TYPE

PSD

DOC PART

001

REVISION

D6

MATERIAL NUMBER

SEE TABLE

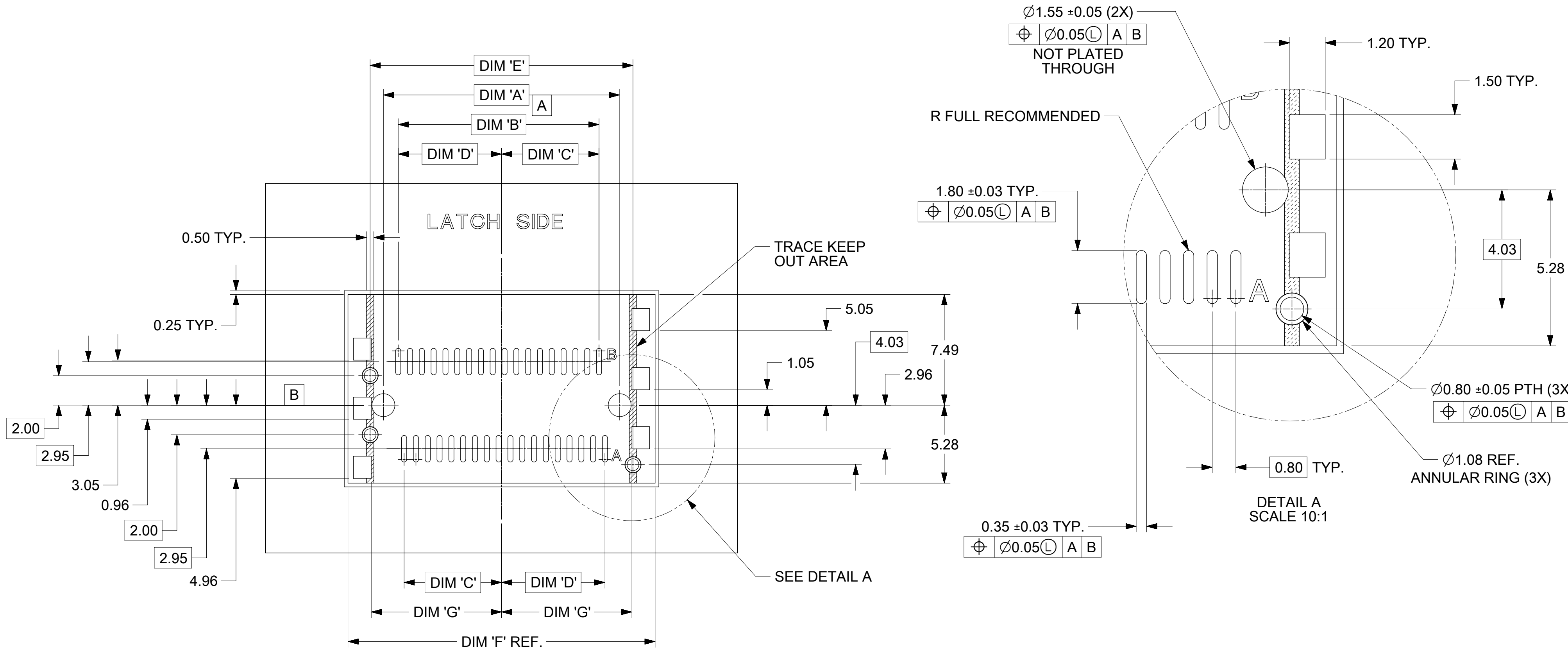
CUSTOMER

GENERAL MARKET

SHEET NUMBER

9 OF 13

VERTICAL CONNECTOR  
WITH SMT SHELL  
PCB FOOT PRINT



36 CIRCUIT SHOWN

|              | PEG TO PEG | FIRST TO LAST PAD | CENTERLINE TO PAD | CENTERLINE TO PAD | SHELL PEG TO PEG | SHELL FOOTPRINT WIDTH | CENTERLINE TO PAD EDGE |
|--------------|------------|-------------------|-------------------|-------------------|------------------|-----------------------|------------------------|
| CIRCUIT SIZE | DIM 'A'    | DIM 'B'           | DIM 'C'           | DIM 'D'           | DIM 'E'          | DIM 'F'               | DIM 'G'                |
| 26           | 12.00      | 9.60              | 4.60              | 5.00              | 13.80            | 16.80                 | 6.825                  |
| 36           | 16.00      | 13.60             | 6.60              | 7.00              | 17.80            | 20.80                 | 8.825                  |
| 50           | 21.60      | 19.20             | 9.40              | 9.80              | 23.40            | 26.40                 | 11.625                 |
| 68           | 28.80      | 26.40             | 13.00             | 13.40             | 30.60            | 33.60                 | 15.225                 |

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|                                                         |        |                                                             |         |        |
|---------------------------------------------------------|--------|-------------------------------------------------------------|---------|--------|
| DIMENSION UNITS                                         | SCALE  | CURRENT REV DESC: OBSOLETE PART NUMBER<br>AS PER PCN#510579 |         |        |
| mm                                                      | 5:1    |                                                             |         |        |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                   |        |                                                             |         |        |
| ANGULAR TOL                                             | ± 0.5° |                                                             |         |        |
| 4 PLACES                                                | ±      |                                                             |         |        |
| 3 PLACES                                                | ±      |                                                             |         |        |
| 2 PLACES                                                | ± 0.13 |                                                             |         |        |
| 1 PLACE                                                 | ± 0.25 |                                                             |         |        |
| 0 PLACES                                                | ±      |                                                             |         |        |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS |        | THIRD ANGLE PROJECTION                                      | DRAWING | SERIES |
|                                                         |        |                                                             | C-SIZE  | 75784  |

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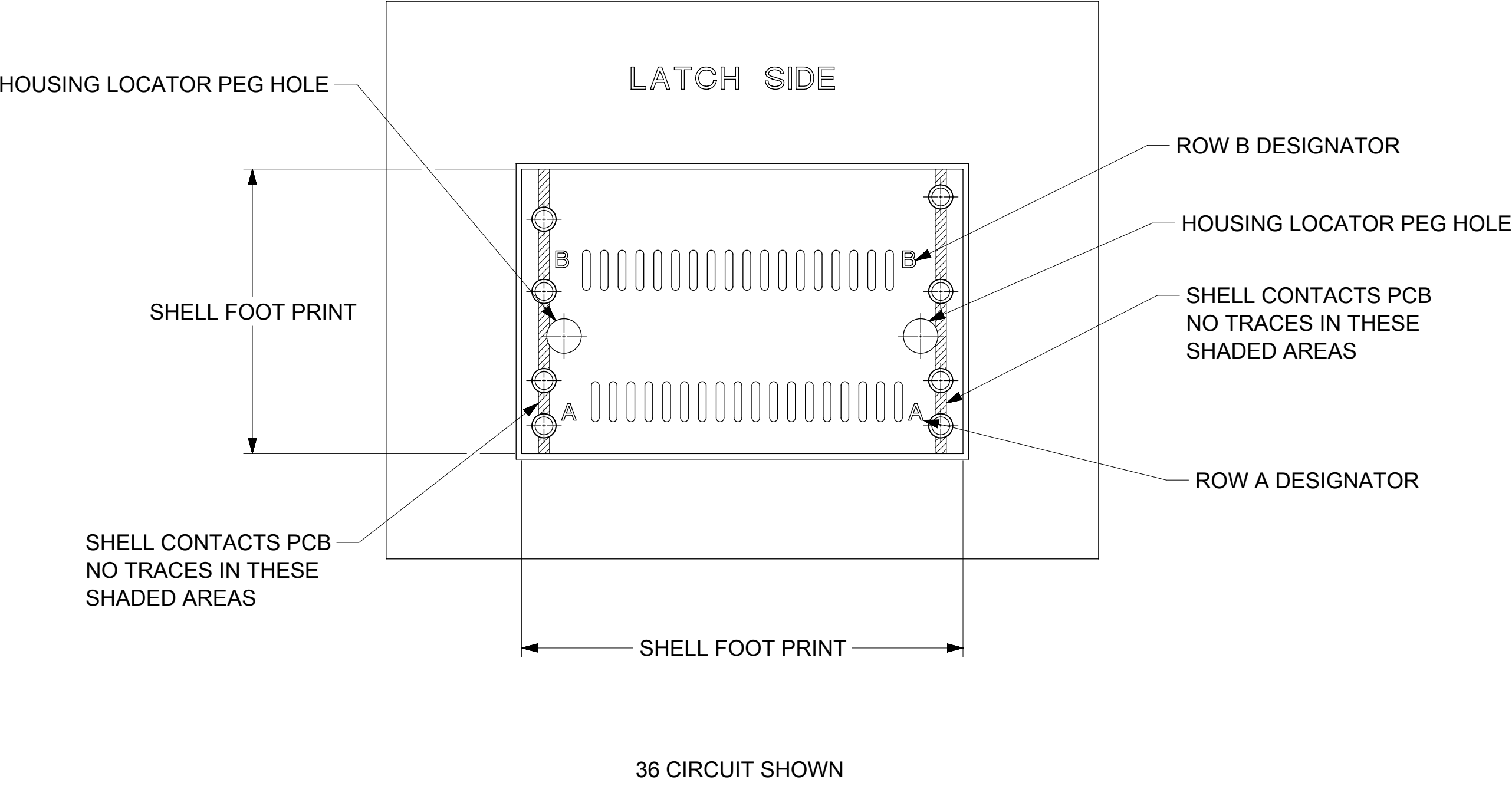
I-PASS VERT CONNECTOR  
INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

PRODUCT CUSTOMER DRAWING

|                 |          |          |          |
|-----------------|----------|----------|----------|
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
| SD-75784-001    | PSD      | 001      | D6       |

|                 |                |              |
|-----------------|----------------|--------------|
| MATERIAL NUMBER | CUSTOMER       | SHEET NUMBER |
| SEE TABLE       | GENERAL MARKET | 10 OF 13     |

VERTICAL CONNECTOR WITH SHELL  
PCB FOOT PRINT DESCRIPTIONS



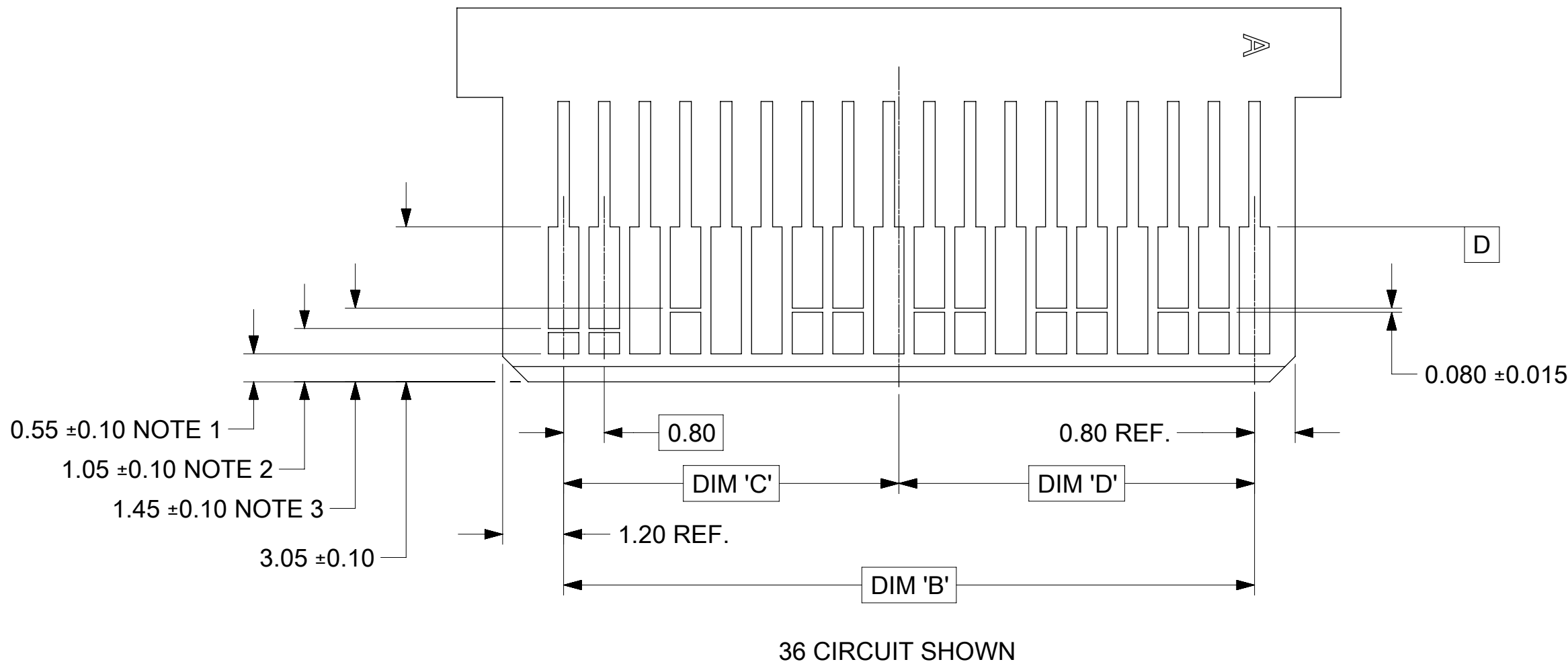
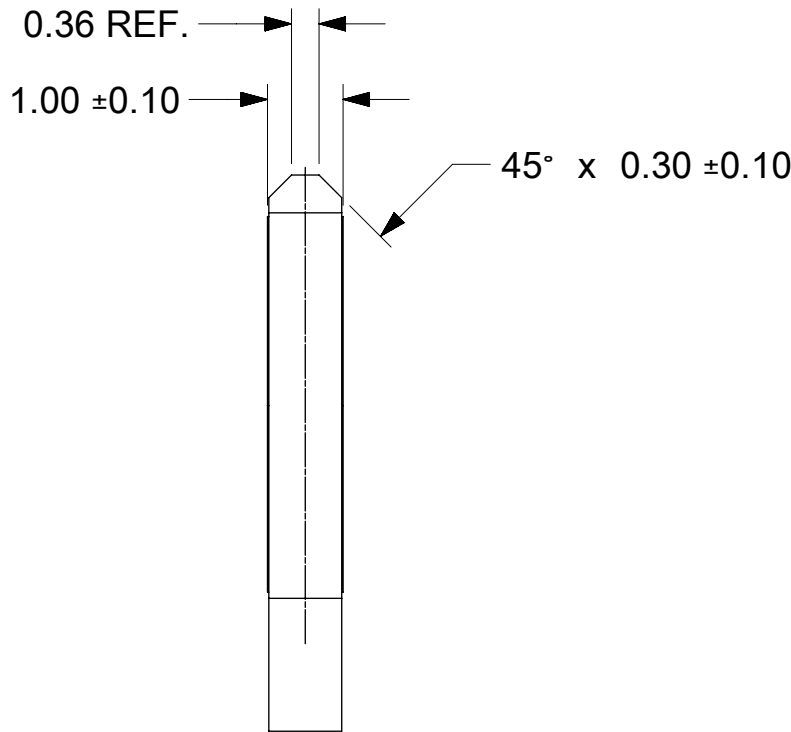
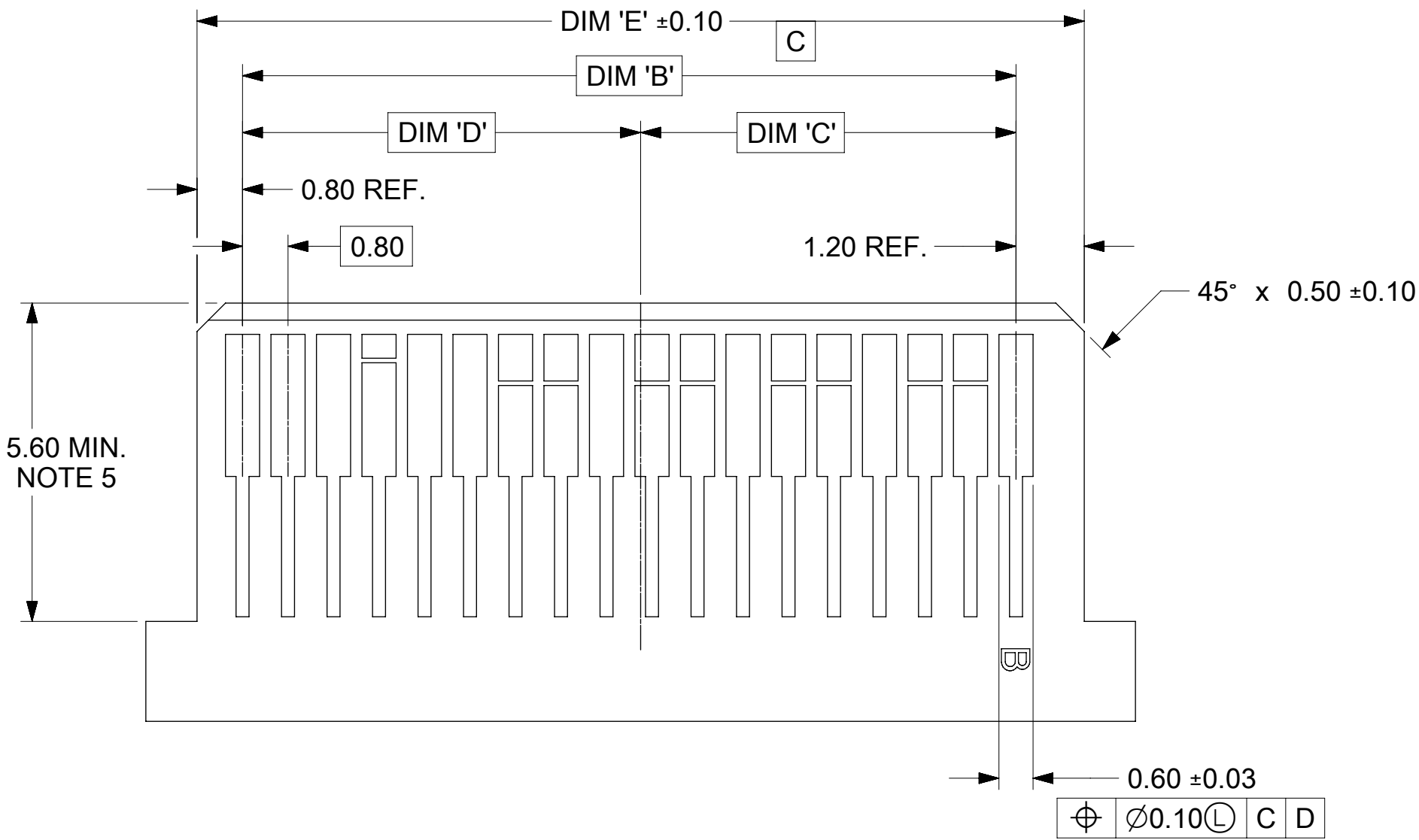
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|                                                                                                                                               |  |           |  |                                                                                                                                                                          |  |         |  |                                                                |  |                 |  |                |  |              |  |
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| DIMENSION UNITS                                                                                                                               |  | SCALE     |  | CURRENT REV DESC: OBSOLETE PART NUMBER<br>AS PER PCN#510579                                                                                                              |  |         |  | <div>molex</div>                                               |  |                 |  |                |  |              |  |
| mm                                                                                                                                            |  | 5:1       |  |                                                                                                                                                                          |  |         |  |                                                                |  |                 |  |                |  |              |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |           |  | EC NO: 675088<br>DRWN: SUGEEB 2021/08/03<br>CHK'D: GGA 2021/09/08<br>APPR: GGA 2021/09/08<br><br>INITIAL REVISION:<br>DRWN: KLANG 2005/04/15<br>APPR: RNELSON 2005/04/18 |  |         |  | I-PASS VERT CONNECTOR<br>INTERNAL ASSY W/SHELL 0.8MM PITCH I/O |  |                 |  |                |  |              |  |
| ANGULAR TOL    ±    0.5 °                                                                                                                     |  |           |  |                                                                                                                                                                          |  |         |  | PRODUCT CUSTOMER DRAWING                                       |  |                 |  |                |  |              |  |
| 4 PLACES                                                                                                                                      |  | ±         |  |                                                                                                                                                                          |  |         |  | DOCUMENT NUMBER                                                |  | DOC TYPE        |  | DOC PART       |  | REVISION     |  |
| 3 PLACES                                                                                                                                      |  | ±         |  |                                                                                                                                                                          |  |         |  | SD-75784-001                                                   |  | PSD             |  | 001            |  | D6           |  |
| 2 PLACES                                                                                                                                      |  | ±    0.13 |  |                                                                                                                                                                          |  |         |  |                                                                |  |                 |  |                |  |              |  |
| 1 PLACE                                                                                                                                       |  | ±    0.25 |  |                                                                                                                                                                          |  |         |  |                                                                |  |                 |  |                |  |              |  |
| 0 PLACES                                                                                                                                      |  | ±         |  |                                                                                                                                                                          |  |         |  |                                                                |  |                 |  |                |  |              |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |           |  | THIRD ANGLE PROJECTION                                                                                                                                                   |  | DRAWING |  | SERIES                                                         |  | MATERIAL NUMBER |  | CUSTOMER       |  | SHEET NUMBER |  |
|                                                                                                                                               |  |           |  |                                                                                                                                                                          |  | C-SIZE  |  | 75784                                                          |  | SEE TABLE       |  | GENERAL MARKET |  | 11 OF 13     |  |

|                 |    |              |                     |
|-----------------|----|--------------|---------------------|
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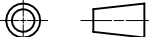
MATING INTERFACE (FOR REFERENCE ONLY)



- 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 TONGUE.

iPass™ IS A TRADEMARK OF MOLEX

| CIRCUIT SIZE | TERM/SIDE '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   |

|                                                                                                                                               |  |        |  |                                                                                       |  |         |                                 |                 |  |                |          |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|--|---------------------------------------------------------------------------------------|--|---------|---------------------------------|-----------------|--|----------------|----------|--------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |        |  |                                                                                       |  |         |                                 |                 |  |                |          |              |  |
| DIMENSION UNITS                                                                                                                               |  | SCALE  |  | CURRENT REV DESC: OBSOLETE PART NUMBER<br>AS PER PCN#510579                           |  |         | <div>molex</div>                |                 |  |                |          |              |  |
| mm                                                                                                                                            |  | 1:1    |  |                                                                                       |  |         |                                 |                 |  |                |          |              |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |        |  | I-PASS VERT CONNECTOR<br>INTERNAL ASSY W/SHELL 0.8MM PITCH I/O                        |  |         |                                 |                 |  |                |          |              |  |
| ANGULAR TOL ± 0.5 °                                                                                                                           |  |        |  |                                                                                       |  |         |                                 |                 |  |                |          |              |  |
| 4 PLACES                                                                                                                                      |  | ±      |  | EC NO: 675088                                                                         |  |         | PRODUCT CUSTOMER DRAWING        |                 |  |                |          |              |  |
| 3 PLACES                                                                                                                                      |  | ±      |  | DRWN: SUGEEB 2021/08/03                                                               |  |         |                                 |                 |  |                |          |              |  |
| 2 PLACES                                                                                                                                      |  | ± 0.13 |  | CHK'D: GGA 2021/09/08                                                                 |  |         |                                 |                 |  |                |          |              |  |
| 1 PLACE                                                                                                                                       |  | ± 0.25 |  | APPR: GGA 2021/09/08                                                                  |  |         | DOCUMENT NUMBER<br>SD-75784-001 |                 |  |                |          |              |  |
| 0 PLACES                                                                                                                                      |  | ±      |  | INITIAL REVISION:                                                                     |  |         |                                 |                 |  | DOC TYPE       | DOC PART | REVISION     |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |        |  | THIRD ANGLE PROJECTION                                                                |  | DRAWING | SERIES                          | MATERIAL NUMBER |  | CUSTOMER       |          | SHEET NUMBER |  |
|                                                                                                                                               |  |        |  |  |  | C-SIZE  | 75784                           | SEE TABLE       |  | GENERAL MARKET |          | 12 OF 13     |  |
|                                                                                                                                               |  |        |  |                                                                                       |  |         |                                 |                 |  |                |          |              |  |

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| 12              |    | 11           | 10         |          |