

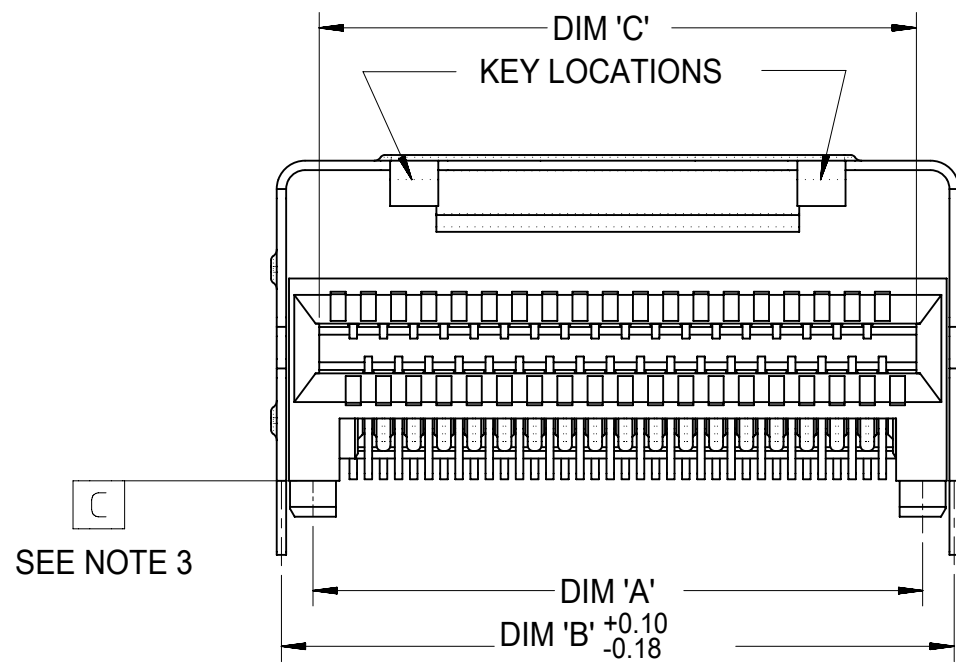


MOLD CAVITY ID FOR REFERENCE ONLY



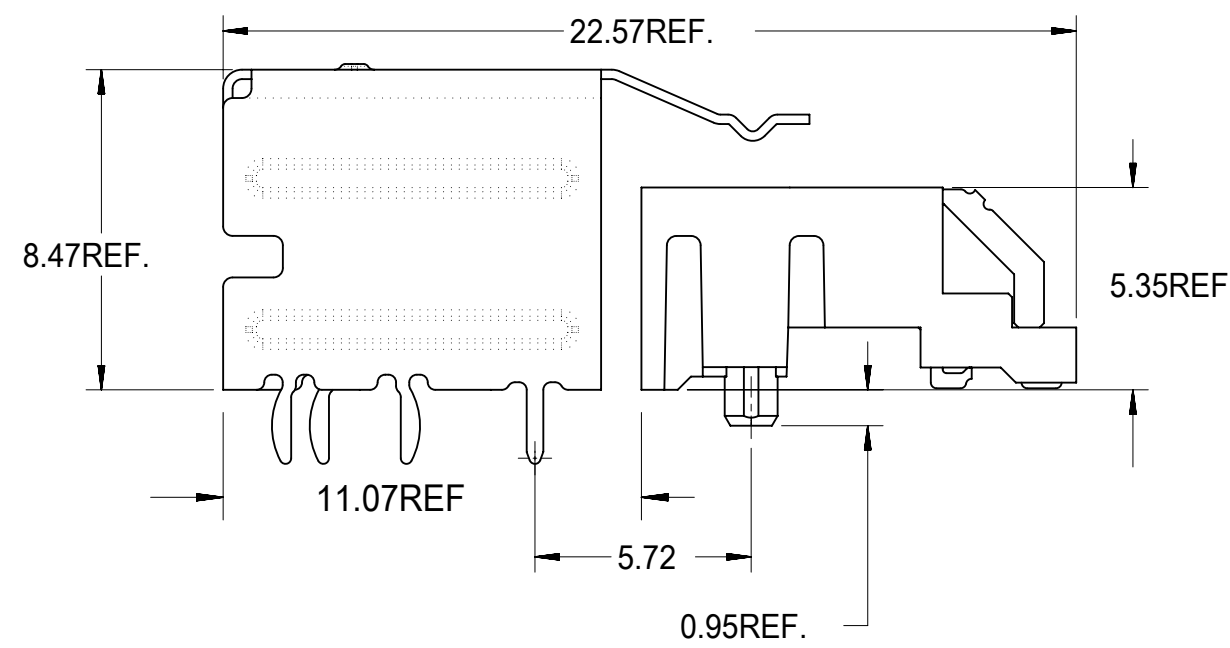
NOTES:

- MATERIAL:
  - CONNECTOR: HOUSING - HIGH TEMPERATURE THERMOPLASTIC GLASS FILLED, UL 94V-0, BLACK
  - TERMINALS - COPPER ALLOY
  - SHELL: SILVER NICKEL, 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
  - CONNECTOR 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 FRONT HOUSING STAND OFF (DATUM C)
- DATE CODE: 4 DIGIT (3 DIGIT DAY, 1 DIGIT YEAR) CONNECTOR ONLY
- CIRCUIT IDENTIFIER: SEE APPROPRIATE INDUSTRY SPECIFICATION FOR LOCATION OF PIN 1.
- TO BE USED WITH THE FOLLOWING CABLE SERIES: 79575/74563/79576/74573/79536/74562/74586
- 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



SEE NOTE 3

36 CIRCUIT RETENTION FIT SHELL OPTION SHOWN



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

| SYMBOLS  |       | 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:   |                |
| mm   | 1:1   | EC NO: 173961   |                |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                |       | DRWN: RWHIPPLE  | 2018/03/19     |
| ANGULAR TOL ± 0.5°                                   |       | CHK'D: SMILLER  | 2018/03/21     |
| 4 PLACES ±   |       | APPR: SMILLER   | 2018/03/21     |
| 3 PLACES ±   |       | INITIAL REVISION:   |                |
| 2 PLACES ± 0.13                                      |       | DRWN: KCALLAGHAN  | 2016/07/21     |
| 1 PLACE ± 0.25                                       |       | APPR: TMCLELL   | 2016/08/24     |
| 0 PLACES ±   |       | THIRD ANGLE PROJECTION  |                |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |       | DRAWING   | SERIES         |
|  |       | C-SIZE  | 75783          |
|  |       | MATERIAL NUMBER   | CUSTOMER       |
|  |       | SEE TABLE   | GENERAL MARKET |
|  |       | DOC TYPE  | DOC PART       |
|  |       | PSD   | 001            |
|  |       | REVISION  | F              |
|  |       | SHEET NUMBER  | 1 OF 13        |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2018/03/21 | 15:54:34 |
|-----------------|----|--------------|------------|----------|
| 12              | 11 | 10           | 9          | 8        |



# 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

| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |  |   |  |  |  |                |  |         |                        |          |  |                 |          |  |              |                  |          |              |                |              |                |         |               |                                       |            |                    |                |                |            |            |   |       |            |  |  |  |  |                   |  |  |  |               |  |            |                 |          |              |  |                  |                |            |  |                |  |            |               |                |            |            |  |       |            |       |  |      |       |           |      |       |            |               |   |            |  |  |  |  |                  |                        |            |        |                 |  |  |               |          |            |              |  |  |        |       |            |      |       |           |                |       |            |  |   |  |  |  |  |  |  |                        |         |        |                 |  |  |  |          |  |              |  |  |        |       |           |  |  |  |                |  |         |  |       |  |  |
|---|--|--|---|--|--|--|----------------|--|---------|------------------------|----------|--|-----------------|----------|--|--------------|------------------|----------|--------------|----------------|--------------|----------------|---------|---------------|---------------------------------------|------------|--------------------|----------------|----------------|------------|------------|---|-------|------------|--|--|--|--|-------------------|--|--|--|---------------|--|------------|-----------------|----------|--------------|--|------------------|----------------|------------|--|----------------|--|------------|---------------|----------------|------------|------------|--|-------|------------|-------|--|------|-------|-----------|------|-------|------------|---------------|---|------------|--|--|--|--|------------------|------------------------|------------|--------|-----------------|--|--|---------------|----------|------------|--------------|--|--|--------|-------|------------|------|-------|-----------|----------------|-------|------------|--|---|--|--|--|--|--|--|------------------------|---------|--------|-----------------|--|--|--|----------|--|--------------|--|--|--------|-------|-----------|--|--|--|----------------|--|---------|--|-------|--|--|
| SYMBOLS   | DIMENSION UNITS                                      | SCALE  | CURRENT REV DESC:   |  |  |  |                |  |         |                        |          |  |                 |          |  |              |                  |          |              |                |              |                |         |               |                                       |            |                    |                |                |            |            |   |       |            |  |  |  |  |                   |  |  |  |               |  |            |                 |          |              |  |                  |                |            |  |                |  |            |               |                |            |            |  |       |            |       |  |      |       |           |      |       |            |               |   |            |  |  |  |  |                  |                        |            |        |                 |  |  |               |          |            |              |  |  |        |       |            |      |       |           |                |       |            |  |   |  |  |  |  |  |  |                        |         |        |                 |  |  |  |          |  |              |  |  |        |       |           |  |  |  |                |  |         |  |       |  |  |
| ▽ = 0   | mm   | 1:1  | <table style="width: 100%; border: none;"> <tr> <td colspan="2">EC NO: 173961</td> <td colspan="5" rowspan="3" style="text-align: center; vertical-align: middle;"> <div style="font-size: 2em; font-weight: bold; margin: 0;">molex</div> <p style="margin: 5px 0 0 0;">I-PASS R/A CONNECTOR<br/>INTERNAL ASSY W/SHELL 0.8MM PITCH I/O</p> <p style="margin: 0 0 0 0;">PRODUCT CUSTOMER DRAWING</p> <table style="width: 100%; border: none;"> <tr> <td style="border: none;">DOCUMENT NUMBER</td> <td style="border: none;">DOC TYPE</td> <td style="border: none;">DOC PART</td> <td style="border: none;">REVISION</td> </tr> <tr> <td style="border: none; text-align: center;">SD-75783-001</td> <td style="border: none; text-align: center;">PSD</td> <td style="border: none; text-align: center;">001</td> <td style="border: none; text-align: center;">F</td> </tr> </table> </td> </tr> <tr> <td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td> </tr> <tr> <td colspan="2">ANGULAR TOL ± 0.5°</td> </tr> <tr> <td>▽ = 0</td> <td>4 PLACES ±</td> <td></td> <td colspan="7" rowspan="3" style="vertical-align: top;"> <table style="width: 100%; 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| SD-75783-001  | PSD  |  |   |  |  |  |                |  |         | 001                    | F        |  |                 |          |  |              |                  |          |              |                |              |                |         |               |                                       |            |                    |                |                |            |            |   |       |            |  |  |  |  |                   |  |  |  |               |  |            |                 |          |              |  |                  |                |            |  |                |  |            |               |                |            |            |  |       |            |       |  |      |       |           |      |       |            |               |   |            |  |  |  |  |                  |                        |            |        |                 |  |  |               |          |            |              |  |  |        |       |            |      |       |           |                |       |            |  |   |  |  |  |  |  |  |                        |         |        |                 |  |  |  |          |  |              |  |  |        |       |           |  |  |  |                |  |         |  |       |  |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |  |  |   |  |  |  |                |  |         |                        |          |  |                 |          |  |              |                  |          |              |                |              |                |         |               |                                       |            |                    |                |                |            |            |   |       |            |  |  |  |  |                   |  |  |  |               |  |            |                 |          |              |  |                  |                |            |  |                |  |            |               |                |            |            |  |       |            |       |  |      |       |           |      |       |            |               |   |            |  |  |  |  |                  |                        |            |        |                 |  |  |               |          |            |              |  |  |        |       |            |      |       |           |                |       |            |  |   |  |  |  |  |  |  |                        |         |        |                 |  |  |  |          |  |              |  |  |        |       |           |  |  |  |                |  |         |  |       |  |  |
| ANGULAR TOL ± 0.5°  |  |  |   |  |  |  |                |  |         |                        |          |  |                 |          |  |              |                  |          |              |                |              |                |         |               |                                       |            |                    |                |                |            |            |   |       |            |  |  |  |  |                   |  |  |  |               |  |            |                 |          |              |  |                  |                |            |  |                |  |            |               |                |            |            |  |       |            |       |  |      |       |           |      |       |            |               |   |            |  |  |  |  |                  |                        |            |        |                 |  |  |               |          |            |              |  |  |        |       |            |      |       |           |                |       |            |  |   |  |  |  |  |  |  |                        |         |        |                 |  |  |  |          |  |              |  |  |        |       |           |  |  |  |                |  |         |  |       |  |  |
| ▽ = 0   | 4 PLACES ±   |  | <table style="width: 100%; border: none;"> <tr> <td colspan="2">INITIAL REVISION:</td> <td colspan="5" rowspan="3" style="text-align: center; vertical-align: middle;"> <table style="width: 100%; border: none;"> <tr> <td style="border: none;">MATERIAL NUMBER</td> <td style="border: none;">CUSTOMER</td> <td colspan="2" style="border: none;">SHEET NUMBER</td> </tr> <tr> <td style="border: none;">SEE TABLE</td> <td style="border: none;">GENERAL MARKET</td> <td colspan="2" style="border: none;">3 OF 13</td> </tr> </table> </td> </tr> <tr> <td colspan="2">DRWN: RWHIPPLE</td> <td colspan="2">2018/03/19</td> </tr> <tr> <td colspan="2">CHK'D: SMILLER</td> <td colspan="2">2018/03/21</td> </tr> <tr> <td>▽ = 0</td> <td>3 PLACES ±</td> <td></td> <td colspan="7" rowspan="2" style="vertical-align: top;"> <table style="width: 100%; border: none;"> <tr> <td colspan="2">APPR: SMILLER</td> <td colspan="5">2018/03/21</td> </tr> <tr> <td colspan="2">DRWN: KCALLAGHAN</td> <td colspan="5">2016/07/21</td> </tr> <tr> <td colspan="2">APPR: TMCLELL</td> <td colspan="5">2016/08/24</td> </tr> </table> </td> </tr> <tr> <td>▽ = 0</td> <td>2 PLACES ±</td> <td>0.13</td> </tr> <tr> <td>▽ = 0</td> <td>1 PLACE ±</td> <td>0.25</td> </tr> <tr> <td>▽ = 0</td> <td>0 PLACES ±</td> <td></td> <td colspan="7" rowspan="2" style="vertical-align: top;"> <table style="width: 100%; border: none;"> <tr> <td style="border: none;">THIRD ANGLE PROJECTION</td> <td style="border: none;">DRAWING</td> <td style="border: none;">SERIES</td> <td colspan="4" style="border: none;">MATERIAL NUMBER</td> <td colspan="2" style="border: none;">CUSTOMER</td> <td colspan="2" style="border: none;">SHEET NUMBER</td> </tr> <tr> <td style="border: none; text-align: center;"> </td> <td style="border: none; text-align: center;">C-SIZE</td> <td style="border: none; text-align: center;">75783</td> <td colspan="4" style="border: none;">SEE TABLE</td> <td colspan="2" style="border: none;">GENERAL MARKET</td> <td colspan="2" style="border: none;">3 OF 13</td> </tr> </table> </td> </tr> <tr> <td>▽ = 0</td> <td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td> </tr> </table>   |  |  |  |                |  |         | INITIAL REVISION:      |          | <table style="width: 100%; border: none;"> <tr> <td style="border: none;">MATERIAL NUMBER</td> <td style="border: none;">CUSTOMER</td> <td colspan="2" style="border: none;">SHEET NUMBER</td> </tr> <tr> <td style="border: none;">SEE TABLE</td> <td style="border: none;">GENERAL MARKET</td> <td colspan="2" style="border: none;">3 OF 13</td> </tr> </table>   |                 |          |  |              | MATERIAL NUMBER  | CUSTOMER | SHEET NUMBER |                | SEE TABLE    | GENERAL MARKET | 3 OF 13 |               | DRWN: RWHIPPLE                        |            | 2018/03/19         |                | CHK'D: SMILLER |            | 2018/03/21 |   | ▽ = 0 | 3 PLACES ± |  | <table style="width: 100%; border: none;"> <tr> <td colspan="2">APPR: SMILLER</td> <td colspan="5">2018/03/21</td> </tr> <tr> <td colspan="2">DRWN: KCALLAGHAN</td> <td colspan="5">2016/07/21</td> </tr> <tr> <td colspan="2">APPR: TMCLELL</td> <td colspan="5">2016/08/24</td> </tr> </table> |  |  |                   |  |  |  | APPR: SMILLER |  | 2018/03/21 |                 |          |              |  | DRWN: KCALLAGHAN |                | 2016/07/21 |  |                |  |            | APPR: TMCLELL |                | 2016/08/24 |            |  |       |            | ▽ = 0 | 2 PLACES ±   | 0.13 | ▽ = 0 | 1 PLACE ± | 0.25 | ▽ = 0 | 0 PLACES ± |               | <table style="width: 100%; border: none;"> <tr> <td style="border: none;">THIRD ANGLE PROJECTION</td> <td style="border: none;">DRAWING</td> <td style="border: none;">SERIES</td> <td colspan="4" style="border: none;">MATERIAL NUMBER</td> <td colspan="2" style="border: none;">CUSTOMER</td> <td colspan="2" style="border: none;">SHEET NUMBER</td> </tr> <tr> <td style="border: none; text-align: center;"> </td> <td style="border: none; text-align: center;">C-SIZE</td> <td style="border: none; text-align: center;">75783</td> <td colspan="4" style="border: none;">SEE TABLE</td> <td colspan="2" style="border: none;">GENERAL MARKET</td> <td colspan="2" style="border: none;">3 OF 13</td> </tr> </table> |            |  |  |  |  |                  | THIRD ANGLE PROJECTION | DRAWING    | SERIES | MATERIAL NUMBER |  |  |               | CUSTOMER |            | SHEET NUMBER |  |  | C-SIZE | 75783 | SEE TABLE  |      |       |           | GENERAL MARKET |       | 3 OF 13    |  | ▽ = 0   | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  |  |  |  |  |                        |         |        |                 |  |  |  |          |  |              |  |  |        |       |           |  |  |  |                |  |         |  |       |  |  |
| INITIAL REVISION:   |  | <table style="width: 100%; border: none;"> <tr> <td style="border: none;">MATERIAL NUMBER</td> <td style="border: none;">CUSTOMER</td> <td colspan="2" style="border: none;">SHEET NUMBER</td> </tr> <tr> <td style="border: none;">SEE TABLE</td> <td style="border: none;">GENERAL MARKET</td> <td colspan="2" style="border: none;">3 OF 13</td> </tr> </table>   |   |  |  |  |                |  |         | MATERIAL NUMBER        | CUSTOMER |  |                 |          |  |              | SHEET NUMBER     |          | SEE TABLE    | GENERAL MARKET | 3 OF 13      |                |         |               |                                       |            |                    |                |                |            |            |   |       |            |  |  |  |  |                   |  |  |  |               |  |            |                 |          |              |  |                  |                |            |  |                |  |            |               |                |            |            |  |       |            |       |  |      |       |           |      |       |            |               |   |            |  |  |  |  |                  |                        |            |        |                 |  |  |               |          |            |              |  |  |        |       |            |      |       |           |                |       |            |  |   |  |  |  |  |  |  |                        |         |        |                 |  |  |  |          |  |              |  |  |        |       |           |  |  |  |                |  |         |  |       |  |  |
| MATERIAL NUMBER   | CUSTOMER   |  |   |  |  |  |                |  |         | SHEET NUMBER           |          |  |                 |          |  |              |                  |          |              |                |              |                |         |               |                                       |            |                    |                |                |            |            |   |       |            |  |  |  |  |                   |  |  |  |               |  |            |                 |          |              |  |                  |                |            |  |                |  |            |               |                |            |            |  |       |            |       |  |      |       |           |      |       |            |               |   |            |  |  |  |  |                  |                        |            |        |                 |  |  |               |          |            |              |  |  |        |       |            |      |       |           |                |       |            |  |   |  |  |  |  |  |  |                        |         |        |                 |  |  |  |          |  |              |  |  |        |       |           |  |  |  |                |  |         |  |       |  |  |
| SEE TABLE   | GENERAL MARKET                                       |  |   |  |  |  | 3 OF 13        |  |         |                        |          |  |                 |          |  |              |                  |          |              |                |              |                |         |               |                                       |            |                    |                |                |            |            |   |       |            |  |  |  |  |                   |  |  |  |               |  |            |                 |          |              |  |                  |                |            |  |                |  |            |               |                |            |            |  |       |            |       |  |      |       |           |      |       |            |               |   |            |  |  |  |  |                  |                        |            |        |                 |  |  |               |          |            |              |  |  |        |       |            |      |       |           |                |       |            |  |   |  |  |  |  |  |  |                        |         |        |                 |  |  |  |          |  |              |  |  |        |       |           |  |  |  |                |  |         |  |       |  |  |
| DRWN: RWHIPPLE  |  | 2018/03/19   |   |  |  |  |                |  |         |                        |          |  |                 |          |  |              |                  |          |              |                |              |                |         |               |                                       |            |                    |                |                |            |            |   |       |            |  |  |  |  |                   |  |  |  |               |  |            |                 |          |              |  |                  |                |            |  |                |  |            |               |                |            |            |  |       |            |       |  |      |       |           |      |       |            |               |   |            |  |  |  |  |                  |                        |            |        |                 |  |  |               |          |            |              |  |  |        |       |            |      |       |           |                |       |            |  |   |  |  |  |  |  |  |                        |         |        |                 |  |  |  |          |  |              |  |  |        |       |           |  |  |  |                |  |         |  |       |  |  |
| CHK'D: SMILLER  |  | 2018/03/21   |   |  |  |  |                |  |         |                        |          |  |                 |          |  |              |                  |          |              |                |              |                |         |               |                                       |            |                    |                |                |            |            |   |       |            |  |  |  |  |                   |  |  |  |               |  |            |                 |          |              |  |                  |                |            |  |                |  |            |               |                |            |            |  |       |            |       |  |      |       |           |      |       |            |               |   |            |  |  |  |  |                  |                        |            |        |                 |  |  |               |          |            |              |  |  |        |       |            |      |       |           |                |       |            |  |   |  |  |  |  |  |  |                        |         |        |                 |  |  |  |          |  |              |  |  |        |       |           |  |  |  |                |  |         |  |       |  |  |
| ▽ = 0   | 3 PLACES ±   |  | <table style="width: 100%; border: none;"> <tr> <td colspan="2">APPR: SMILLER</td> <td colspan="5">2018/03/21</td> </tr> <tr> <td colspan="2">DRWN: KCALLAGHAN</td> <td colspan="5">2016/07/21</td> </tr> <tr> <td colspan="2">APPR: TMCLELL</td> <td colspan="5">2016/08/24</td> </tr> </table>  |  |  |  |                |  |         | APPR: SMILLER          |          | 2018/03/21   |                 |          |  |              | DRWN: KCALLAGHAN |          | 2016/07/21   |                |              |                |         | APPR: TMCLELL |                                       | 2016/08/24 |                    |                |                |            |            |   |       |            |  |  |  |  |                   |  |  |  |               |  |            |                 |          |              |  |                  |                |            |  |                |  |            |               |                |            |            |  |       |            |       |  |      |       |           |      |       |            |               |   |            |  |  |  |  |                  |                        |            |        |                 |  |  |               |          |            |              |  |  |        |       |            |      |       |           |                |       |            |  |   |  |  |  |  |  |  |                        |         |        |                 |  |  |  |          |  |              |  |  |        |       |           |  |  |  |                |  |         |  |       |  |  |
| APPR: SMILLER   |  | 2018/03/21   |   |  |  |  |                |  |         |                        |          |  |                 |          |  |              |                  |          |              |                |              |                |         |               |                                       |            |                    |                |                |            |            |   |       |            |  |  |  |  |                   |  |  |  |               |  |            |                 |          |              |  |                  |                |            |  |                |  |            |               |                |            |            |  |       |            |       |  |      |       |           |      |       |            |               |   |            |  |  |  |  |                  |                        |            |        |                 |  |  |               |          |            |              |  |  |        |       |            |      |       |           |                |       |            |  |   |  |  |  |  |  |  |                        |         |        |                 |  |  |  |          |  |              |  |  |        |       |           |  |  |  |                |  |         |  |       |  |  |
| DRWN: KCALLAGHAN  |  | 2016/07/21   |   |  |  |  |                |  |         |                        |          |  |                 |          |  |              |                  |          |              |                |              |                |         |               |                                       |            |                    |                |                |            |            |   |       |            |  |  |  |  |                   |  |  |  |               |  |            |                 |          |              |  |                  |                |            |  |                |  |            |               |                |            |            |  |       |            |       |  |      |       |           |      |       |            |               |   |            |  |  |  |  |                  |                        |            |        |                 |  |  |               |          |            |              |  |  |        |       |            |      |       |           |                |       |            |  |   |  |  |  |  |  |  |                        |         |        |                 |  |  |  |          |  |              |  |  |        |       |           |  |  |  |                |  |         |  |       |  |  |
| APPR: TMCLELL   |  | 2016/08/24   |   |  |  |  |                |  |         |                        |          |  |                 |          |  |              |                  |          |              |                |              |                |         |               |                                       |            |                    |                |                |            |            |   |       |            |  |  |  |  |                   |  |  |  |               |  |            |                 |          |              |  |                  |                |            |  |                |  |            |               |                |            |            |  |       |            |       |  |      |       |           |      |       |            |               |   |            |  |  |  |  |                  |                        |            |        |                 |  |  |               |          |            |              |  |  |        |       |            |      |       |           |                |       |            |  |   |  |  |  |  |  |  |                        |         |        |                 |  |  |  |          |  |              |  |  |        |       |           |  |  |  |                |  |         |  |       |  |  |
| ▽ = 0   | 2 PLACES ±   | 0.13   |   |  |  |  |                |  |         |                        |          |  |                 |          |  |              |                  |          |              |                |              |                |         |               |                                       |            |                    |                |                |            |            |   |       |            |  |  |  |  |                   |  |  |  |               |  |            |                 |          |              |  |                  |                |            |  |                |  |            |               |                |            |            |  |       |            |       |  |      |       |           |      |       |            |               |   |            |  |  |  |  |                  |                        |            |        |                 |  |  |               |          |            |              |  |  |        |       |            |      |       |           |                |       |            |  |   |  |  |  |  |  |  |                        |         |        |                 |  |  |  |          |  |              |  |  |        |       |           |  |  |  |                |  |         |  |       |  |  |
| ▽ = 0   | 1 PLACE ±  | 0.25   |   |  |  |  |                |  |         |                        |          |  |                 |          |  |              |                  |          |              |                |              |                |         |               |                                       |            |                    |                |                |            |            |   |       |            |  |  |  |  |                   |  |  |  |               |  |            |                 |          |              |  |                  |                |            |  |                |  |            |               |                |            |            |  |       |            |       |  |      |       |           |      |       |            |               |   |            |  |  |  |  |                  |                        |            |        |                 |  |  |               |          |            |              |  |  |        |       |            |      |       |           |                |       |            |  |   |  |  |  |  |  |  |                        |         |        |                 |  |  |  |          |  |              |  |  |        |       |           |  |  |  |                |  |         |  |       |  |  |
| ▽ = 0   | 0 PLACES ±   |  | <table style="width: 100%; border: none;"> <tr> <td style="border: none;">THIRD ANGLE PROJECTION</td> <td style="border: none;">DRAWING</td> <td style="border: none;">SERIES</td> <td colspan="4" style="border: none;">MATERIAL NUMBER</td> <td colspan="2" style="border: none;">CUSTOMER</td> <td colspan="2" style="border: none;">SHEET NUMBER</td> </tr> <tr> <td style="border: none; text-align: center;"> </td> <td style="border: none; text-align: center;">C-SIZE</td> <td style="border: none; text-align: center;">75783</td> <td colspan="4" style="border: none;">SEE TABLE</td> <td colspan="2" style="border: none;">GENERAL MARKET</td> <td colspan="2" style="border: none;">3 OF 13</td> </tr> </table>   |  |  |  |                |  |         | THIRD ANGLE PROJECTION | DRAWING  | SERIES   | MATERIAL NUMBER |          |  |              | CUSTOMER         |          | SHEET NUMBER |                |              | C-SIZE         | 75783   | SEE TABLE     |                                       |            |                    | GENERAL MARKET |                | 3 OF 13    |            |   |       |            |  |  |  |  |                   |  |  |  |               |  |            |                 |          |              |  |                  |                |            |  |                |  |            |               |                |            |            |  |       |            |       |  |      |       |           |      |       |            |               |   |            |  |  |  |  |                  |                        |            |        |                 |  |  |               |          |            |              |  |  |        |       |            |      |       |           |                |       |            |  |   |  |  |  |  |  |  |                        |         |        |                 |  |  |  |          |  |              |  |  |        |       |           |  |  |  |                |  |         |  |       |  |  |
| THIRD ANGLE PROJECTION  | DRAWING  | SERIES   |   |  |  |  |                |  |         | MATERIAL NUMBER        |          |  |                 | CUSTOMER |  | SHEET NUMBER |                  |          |              |                |              |                |         |               |                                       |            |                    |                |                |            |            |   |       |            |  |  |  |  |                   |  |  |  |               |  |            |                 |          |              |  |                  |                |            |  |                |  |            |               |                |            |            |  |       |            |       |  |      |       |           |      |       |            |               |   |            |  |  |  |  |                  |                        |            |        |                 |  |  |               |          |            |              |  |  |        |       |            |      |       |           |                |       |            |  |   |  |  |  |  |  |  |                        |         |        |                 |  |  |  |          |  |              |  |  |        |       |           |  |  |  |                |  |         |  |       |  |  |
|   | C-SIZE   | 75783  | SEE TABLE   |  |  |  | GENERAL MARKET |  | 3 OF 13 |                        |          |  |                 |          |  |              |                  |          |              |                |              |                |         |               |                                       |            |                    |                |                |            |            |   |       |            |  |  |  |  |                   |  |  |  |               |  |            |                 |          |              |  |                  |                |            |  |                |  |            |               |                |            |            |  |       |            |       |  |      |       |           |      |       |            |               |   |            |  |  |  |  |                  |                        |            |        |                 |  |  |               |          |            |              |  |  |        |       |            |      |       |           |                |       |            |  |   |  |  |  |  |  |  |                        |         |        |                 |  |  |  |          |  |              |  |  |        |       |           |  |  |  |                |  |         |  |       |  |  |
| ▽ = 0   | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  |   |  |  |  |                |  |         |                        |          |  |                 |          |  |              |                  |          |              |                |              |                |         |               |                                       |            |                    |                |                |            |            |   |       |            |  |  |  |  |                   |  |  |  |               |  |            |                 |          |              |  |                  |                |            |  |                |  |            |               |                |            |            |  |       |            |       |  |      |       |           |      |       |            |               |   |            |  |  |  |  |                  |                        |            |        |                 |  |  |               |          |            |              |  |  |        |       |            |      |       |           |                |       |            |  |   |  |  |  |  |  |  |                        |         |        |                 |  |  |  |          |  |              |  |  |        |       |           |  |  |  |                |  |         |  |       |  |  |

# MATING INTERFACE (FOR REFERENCE ONLY)



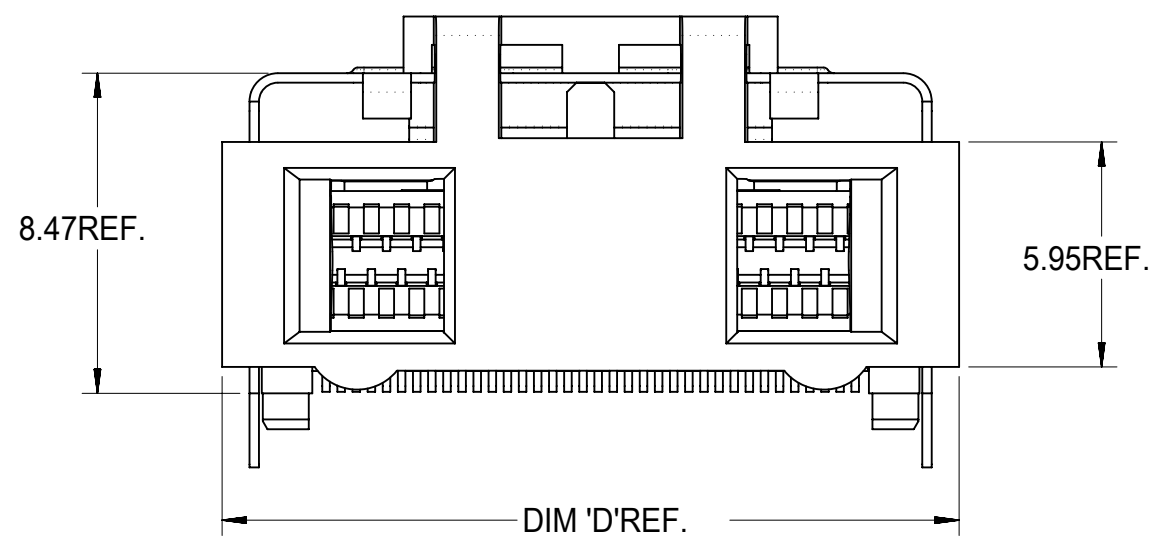
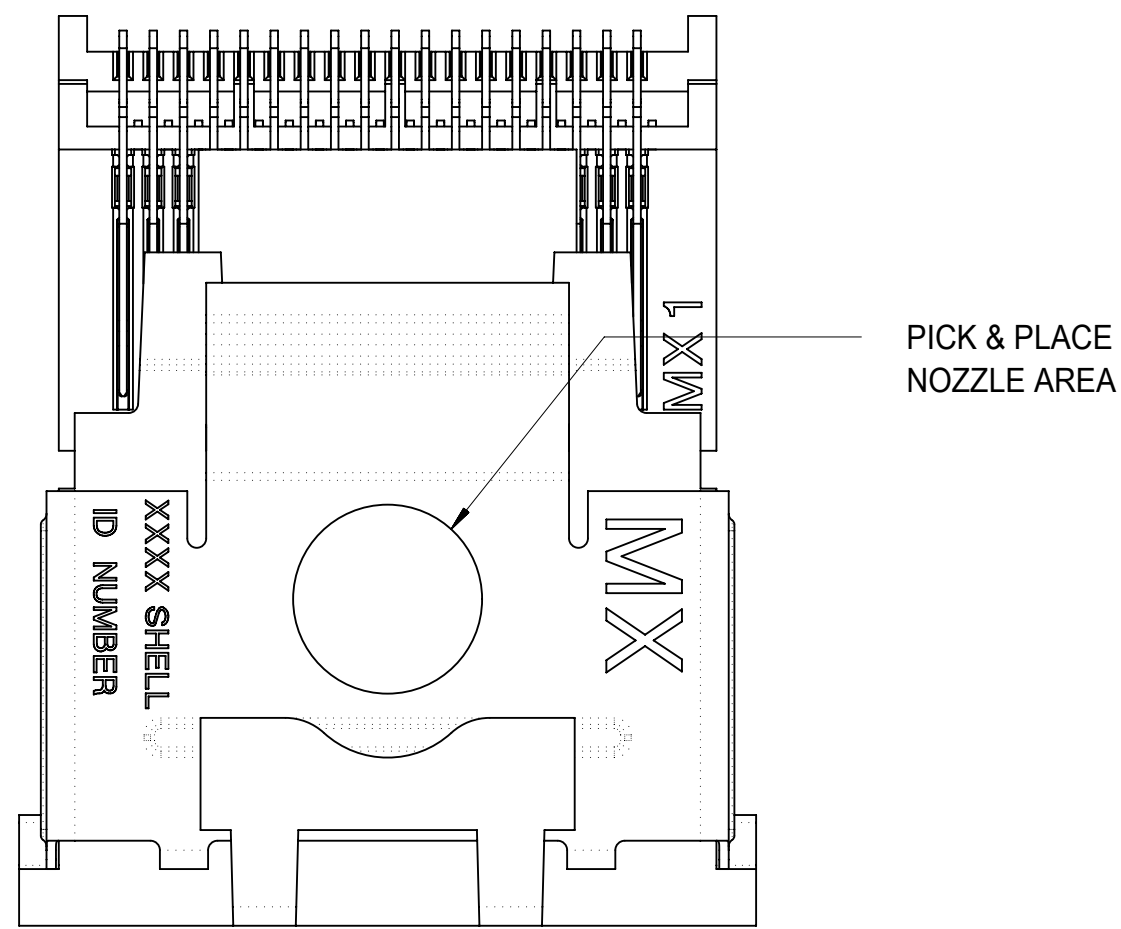
- NOTES:
- PAD CONFIGURATION FOR FIRST MATE.
  - PAD CONFIGURATION FOR SECOND MATE.
  - PAD CONFIGURATION FOR THIRD MATE. (HIGH SPEED SIGNALS)
  - FOR PIN ASSIGNMENTS AND MATING SEQUENCE (1ST, 2ND, 3RD), SEE APPLICABLE SPECIFICATION.
  - MINIMUM STEP REQUIRED IF PCB MADE WIDER THAN TONGUE.

| 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   |

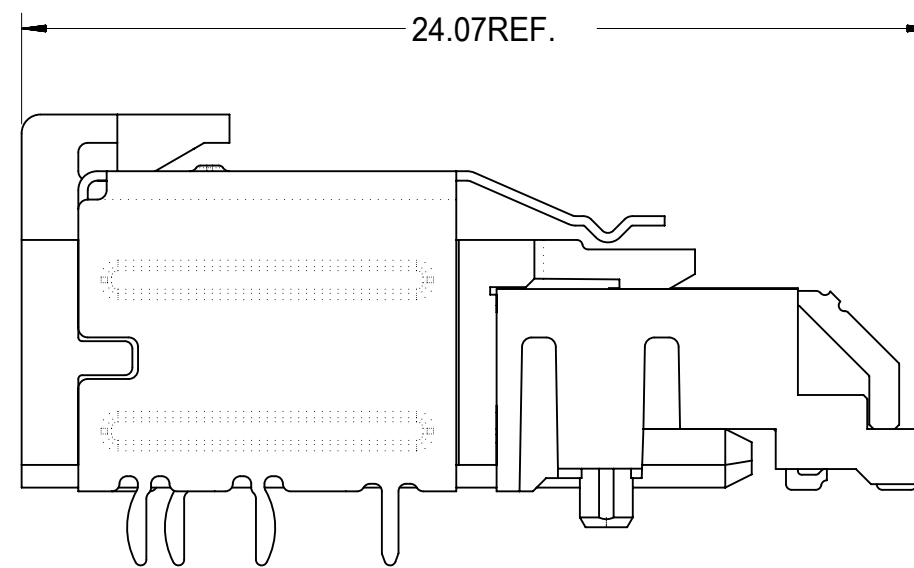
| SYMBOLS  |       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |        |
|--|-------|---|--------|
| DIMENSION UNITS                                      | SCALE | CURRENT REV DESC:   |        |
| mm   | 1:1   | EC NO: 173961   |        |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                |       | DRWN: RWHIPPLE 2018/03/19   |        |
| ANGULAR TOL ± 0.5°                                   |       | CHK'D: SMILLER 2018/03/21   |        |
| 4 PLACES ±   |       | APPR: SMILLER 2018/03/21  |        |
| 3 PLACES ±   |       | INITIAL REVISION:   |        |
| 2 PLACES ± 0.13                                      |       | DRWN: KCALLAGHAN 2016/07/21   |        |
| 1 PLACE ± 0.25                                       |       | APPR: TMCLELL 2016/08/24  |        |
| 0 PLACES ±   |       | THIRD ANGLE PROJECTION  |        |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |       | DRAWING   | SERIES |
|  |       | C-SIZE  | 75783  |

| molex   |                |              |          |
|---|----------------|--------------|----------|
| I-PASS R/A CONNECTOR<br>INTERNAL ASSY W/SHELL 0.8MM PITCH I/O |                |              |          |
| PRODUCT CUSTOMER DRAWING                                      |                |              |          |
| DOCUMENT NUMBER   | DOC TYPE       | DOC PART     | REVISION |
| SD-75783-001  | PSD            | 001          | F        |
| MATERIAL NUMBER   | CUSTOMER       | SHEET NUMBER |          |
| SEE TABLE   | GENERAL MARKET | 4 OF 13      |          |

# ASSEMBLY WITH PRE-POSITION DEVICE



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.

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

| SYMBOLS         |  | 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:   |                                |
| = 0             | mm   | 1:1   |                                |
| = 0             | GENERAL TOLERANCES (UNLESS SPECIFIED)                |   |                                |
| = 0             | ANGULAR TOL ± 0.5°                                   |   |                                |
| = 0             | 4 PLACES ±   |   |                                |
| = 0             | 3 PLACES ±   |   |                                |
| = 0             | 2 PLACES ± 0.13                                      |   |                                |
| = 0             | 1 PLACE ± 0.25                                       |   |                                |
| = 0             | 0 PLACES ±   |   |                                |
| = 0             | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |   |                                |
|                 |  | THIRD ANGLE PROJECTION  | DRAWING                        |
|                 |  |   | C-SIZE                         |
|                 |  | SERIES  | 75783                          |
|                 |  | EC NO: 173961   |                                |
|                 |  | DRWN: RWHIPPLE  | 2018/03/19                     |
|                 |  | CHK'D: SMILLER  | 2018/03/21                     |
|                 |  | APPR: SMILLER   | 2018/03/21                     |
|                 |  | INITIAL REVISION:   |                                |
|                 |  | DRWN: KCALLAGHAN  | 2016/07/21                     |
|                 |  | APPR: TMCLELL   | 2016/08/24                     |
|                 |  | PRODUCT CUSTOMER DRAWING  |                                |
|                 |  | DOCUMENT NUMBER   | DOC TYPE   DOC PART   REVISION |
|                 |  | SD-75783-001  | PSD   001   F                  |
|                 |  | MATERIAL NUMBER   | CUSTOMER                       |
|                 |  | SEE TABLE   | GENERAL MARKET                 |
|                 |  | SHEET NUMBER  |                                |
|                 |  | 5 OF 13   |                                |

**molex**

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

PRODUCT CUSTOMER DRAWING

SD-75783-001

DOC TYPE | DOC PART | REVISION

PSD | 001 | F

MATERIAL NUMBER | CUSTOMER

SEE TABLE | GENERAL MARKET | SHEET NUMBER

5 OF 13





# 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        |


|   |  |       |   |  |         |        |   |  |  |
|---|--|-------|---|--|---------|--------|---|--|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |       |   |  |         |        |   |  |  |
| SYMBOLS   | DIMENSION UNITS                                      | SCALE | CURRENT REV DESC:   |  |         |        |  |  |  |
|   | mm   | 1:1   |   |  |         |        |   |  |  |
| ▽ = 0   | GENERAL TOLERANCES (UNLESS SPECIFIED)                |       | EC NO: 173961   |  |         |        | I-PASS R/A CONNECTOR<br>INTERNAL ASSY W/SHELL 0.8MM PITCH I/O                         |  |  |
| ▽ = 0   | ANGULAR TOL ± 0.5°                                   |       | DRWN: RWHIPPLE 2018/03/19   |  |         |        |   |  |  |
| ▽ = 0   | 4 PLACES ±   |       | CHK'D: SMILLER 2018/03/21   |  |         |        | PRODUCT CUSTOMER DRAWING  |  |  |
| ▽ = 0   | 3 PLACES ±   |       | APPR: SMILLER 2018/03/21  |  |         |        |   |  |  |
| ▽ = 0   | 2 PLACES ± 0.13                                      |       | INITIAL REVISION:   |  |         |        | DOCUMENT NUMBER<br><b>SD-75783-001</b>  |  |  |
| ▽ = 0   | 1 PLACE ± 0.25                                       |       | DRWN: KCALLAGHAN 2016/07/21   |  |         |        |   |  |  |
| ▽ = 0   | 0 PLACES ±   |       | APPR: TMCLELL 2016/08/24  |  |         |        | DOC TYPE DOC PART REVISION<br>PSD 001 F   |  |  |
| ▽ = 0   | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |       | THIRD ANGLE PROJECTION  |  | DRAWING | SERIES |   |  |  |
| ▽ = 0   |  |       |  |  | C-SIZE  | 75783  |   |  |  |




# 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        |
| 36           | 75783-0170  | OPTION 1       | T/H 1.40         | 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        |

|   |   |   |                   |            |
|---|---|---|-------------------|------------|
| <b>SYMBOLS</b><br> = 0<br> = 0<br> = 0<br> = 0<br> = 0<br> = 0<br> = 0<br> = 0<br> = 0 | 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: |            |
|   | mm  | 1:1   |                   |            |
|   | GENERAL TOLERANCES (UNLESS SPECIFIED)   |   | EC NO: 173961     |            |
|   | ANGULAR TOL ± 0.5°  |   | DRWN: RWHIPPLE    | 2018/03/19 |
|   | 4 PLACES ±  |   | CHK'D: SMILLER    | 2018/03/21 |
|   | 3 PLACES ±  |   | APPR: SMILLER     | 2018/03/21 |
|   | 2 PLACES ± 0.13   |   | INITIAL REVISION: |            |
|   | 1 PLACE ± 0.25  |   | DRWN: KCALLAGHAN  | 2016/07/21 |
|   | 0 PLACES ±  |   | APPR: TMCLELL     | 2016/08/24 |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |   | THIRD ANGLE PROJECTION  | DRAWING           | SERIES     |
|   |   |  | C-SIZE            | 75783      |



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

PRODUCT CUSTOMER DRAWING











|                     |          |          |          |
|---------------------|----------|----------|----------|
| DOCUMENT NUMBER     | DOC TYPE | DOC PART | REVISION |
| <b>SD-75783-001</b> | PSD      | 001      | F        |

|                 |                |              |
|-----------------|----------------|--------------|
| MATERIAL NUMBER | CUSTOMER       | SHEET NUMBER |
| SEE TABLE       | GENERAL MARKET | 9 OF 13      |

# 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        |

|   |   |  |  |  |  |  |   |  |                                      |  |  |  |
|---|---|--|--|--|--|--|---|--|--------------------------------------|--|--|--|
| <b>SYMBOLS</b><br> = 0<br> = 0<br> = 0<br> = 0<br> = 0<br> = 0<br> = 0<br> = 0<br> = 0 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  | DIMENSION UNITS: <b>mm</b> SCALE: <b>1:1</b>   |  | CURRENT REV DESC:  |  |  |  |                                      |  |  |  |
|   | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>ANGULAR TOL ± 0.5°   |  | EC NO: 173961<br>DRWN: RWHIPPLE    2018/03/19<br>CHK'D: SMILLER    2018/03/21<br>APPR: SMILLER    2018/03/21 |  | INITIAL REVISION:<br>DRWN: KCALLAGHAN    2016/07/21<br>APPR: TMCLELL    2016/08/24 |  |   |  |                                      |  | PRODUCT CUSTOMER DRAWING                                     |  |
|   | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |  | THIRD ANGLE PROJECTION   |  | DRAWING: <b>C-SIZE</b>   |  | SERIES: <b>75783</b>  |  | DOCUMENT NUMBER: <b>SD-75783-001</b> |  | DOC TYPE: <b>PSD</b> DOC PART: <b>001</b> REVISION: <b>F</b> |  |
|   | MATERIAL NUMBER: SEE TABLE  |  | CUSTOMER: GENERAL MARKET   |  | SHEET NUMBER: 10 OF 13   |  |   |  |                                      |  |  |  |

# 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        |

|   |   |  |   |  |   |                   |   |   |                          |  |                |  |              |  |
|---|---|--|---|--|---|-------------------|---|---|--------------------------|--|----------------|--|--------------|--|
| <b>SYMBOLS</b><br> = 0<br> = 0<br> = 0<br> = 0<br> = 0<br> = 0<br> = 0<br> = 0<br> = 0 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  | DIMENSION UNITS: <b>mm</b>  |  | SCALE: <b>1:1</b>   | CURRENT REV DESC: |   |  |                          |  |                |  |              |  |
|   | GENERAL TOLERANCES (UNLESS SPECIFIED)   |  | ANGULAR TOL ± 0.5°  |  | EC NO: 173961<br>DRWN: RWHIPPLE 2018/03/19<br>CHK'D: SMILLER 2018/03/21<br>APPR: SMILLER 2018/03/21 |                   | I-PASS R/A CONNECTOR<br>INTERNAL ASSY W/SHELL 0.8MM PITCH I/O |   |                          |  |                |  |              |  |
|   | 4 PLACES ±  |  | 3 PLACES ±  |  | 2 PLACES ± 0.13   |                   | INITIAL REVISION:   |   | PRODUCT CUSTOMER DRAWING |  |                |  |              |  |
|   | 1 PLACE ± 0.25  |  | 0 PLACES ±  |  | DRWN: KCALLAGHAN 2016/07/21<br>APPR: TMCLELL 2016/08/24   |                   | DOCUMENT NUMBER   |   | DOC TYPE                 |  | DOC PART       |  | REVISION     |  |
|   | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |  | THIRD ANGLE PROJECTION  |  | DRAWING   |                   | SERIES  |   | MATERIAL NUMBER          |  | CUSTOMER       |  | SHEET NUMBER |  |
|   |   |  |  |  | <b>C-SIZE</b>   |                   | <b>75783</b>  |   | SEE TABLE                |  | GENERAL MARKET |  | 11 OF 13     |  |
|   | DOCUMENT STATUS   |  | P1  |  | RELEASE DATE  |                   | 2018/03/21 15:54:34   |   |                          |  |                |  |              |  |

# RIGHT ANGLE CONNECTOR WITH RETENTION FIT & THRU-HOLE SHELL PCB FOOT PRINT



**DETAIL Z  
SCALE 10:1**

|              | PEG TO PEG | FIRST PAD TO LAST PAD | CENTERLINE TO PAD | CENTERLINE TO PAD | CONNECTOR WIDTH SHELL PEG TO PEG | SHELL FOOTPRINT WIDTH |
|--------------|------------|-----------------------|-------------------|-------------------|----------------------------------|-----------------------|
| CIRCUIT SIZE | DIM 'A'    | DIM 'B'               | DIM 'C'           | DIM 'D'           | DIM 'E'                          | DIM 'F'               |
| 26           | 12.00      | 10.00                 | 4.60              | 5.00              | 13.80                            | 15.80                 |
| 36           | 16.00      | 14.00                 | 6.60              | 7.00              | 17.80                            | 19.80                 |
| 50           | 21.60      | 19.60                 | 9.40              | 9.80              | 23.40                            | 25.40                 |
| 68           | 28.80      | 26.80                 | 13.00             | 13.40             | 30.60                            | 32.60                 |

|                 |  |   |   |                |                 |                |            |
|-----------------|--|---|---|----------------|-----------------|----------------|------------|
| SYMBOLS         |  | 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:   |   |                |                 |                |            |
| ▽ = 0           | mm   | 1:1   | <br><b>I-PASS R/A CONNECTOR<br/>INTERNAL ASSY W/SHELL 0.8MM PITCH I/O</b><br>PRODUCT CUSTOMER DRAWING |                |                 |                |            |
| ▽ = 0           | GENERAL TOLERANCES (UNLESS SPECIFIED)                |   |   |                |                 | EC NO: 173961  | 2018/03/19 |
| ▽ = 0           | ANGULAR TOL ± 0.5°                                   |   |   |                |                 | DRWN: RWHIPPLE | 2018/03/21 |
| ▽ = 0           | 4 PLACES ±   |   |   |                |                 | CHK'D: SMILLER | 2018/03/21 |
| ▽ = 0           | 3 PLACES ±   |   |   |                |                 | APPR: SMILLER  | 2018/03/21 |
| ▽ = 0           | 2 PLACES ± 0.13                                      |   | INITIAL REVISION:   |                |                 |                |            |
| ▽ = 0           | 1 PLACE ± 0.25                                       |   | DRWN: KCALLAGHAN  | 2016/07/21     |                 |                |            |
| ▽ = 0           | 0 PLACES ±   |   | APPR: TMCLELL   | 2016/08/24     |                 |                |            |
| ▽ = 0           | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |   | THIRD ANGLE PROJECTION  | DRAWING        | SERIES          |                |            |
|                 |  |   | C-SIZE  | 75783          | DOCUMENT NUMBER |                |            |
|                 |  |   | MATERIAL NUMBER   |                | DOC TYPE        |                |            |
|                 |  |   | CUSTOMER  |                | DOC PART        |                |            |
|                 |  |   | SHEET NUMBER  |                | REVISION        |                |            |
|                 |  |   | SEE TABLE   | GENERAL MARKET | 12 OF 13        |                |            |

H  
G  
F  
E  
D  
C  
B  
A

| DATE       | REV | DESCRIPTION   |
|------------|-----|---|
| 2018/03/20 | F   | 1. REMASTERED FROM MODEL MANAGER                                |
|            |     | 2. SHEET 1, NOTE 3, COPLANAR DISTANCE CHANGED FROM 0.15 TO 0.10 |
|            |     |   |
|            |     |   |
|            |     |   |
|            |     |   |
|            |     |   |

|   |  |        |   |  |         |        |                 |                |              |  |
|---|--|--------|---|--|---------|--------|-----------------|----------------|--------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION   |  |        |   |  |         |        |                 |                |              |  |
| <b>SYMBOLS</b><br> = 0<br> = 0<br> = 0<br> = 0<br> = 0<br> = 0<br> = 0<br> = 0<br> = 0 | DIMENSION UNITS                                      | SCALE  | CURRENT REV DESC:   |  |         |        |                 |                |              |  |
|   | mm   | 1:1    | EC NO: 173961<br>DRWN: RWHIPPLE 2018/03/19<br>CHK'D: SMILLER 2018/03/21<br>APPR: SMILLER 2018/03/21 |  |         |        |                 |                |              |  |
|   | GENERAL TOLERANCES (UNLESS SPECIFIED)                |        |   |  |         |        |                 |                |              |  |
|   | ANGULAR TOL  | ± 0.5° |   |  |         |        |                 |                |              |  |
|   | 4 PLACES   | ±      | INITIAL REVISION:<br>DRWN: KCALLAGHAN 2016/07/21<br>APPR: TMCLELL 2016/08/24                        |  |         |        |                 |                |              |  |
|   | 3 PLACES   | ±      |   |  |         |        |                 |                |              |  |
|   | 2 PLACES   | ± 0.13 |   |  |         |        |                 |                |              |  |
|   | 1 PLACE  | ± 0.25 | THIRD ANGLE PROJECTION  |  | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER       | SHEET NUMBER |  |
|   | 0 PLACES   | ±      |                |  | C-SIZE  | 75783  | SEE TABLE       | GENERAL MARKET | 13 OF 13     |  |
|   | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |        |   |  |         |        |                 |                |              |  |



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

PRODUCT CUSTOMER DRAWING

|                 |          |          |          |
|-----------------|----------|----------|----------|
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
| SD-75783-001    | PSD      | 001      | F        |