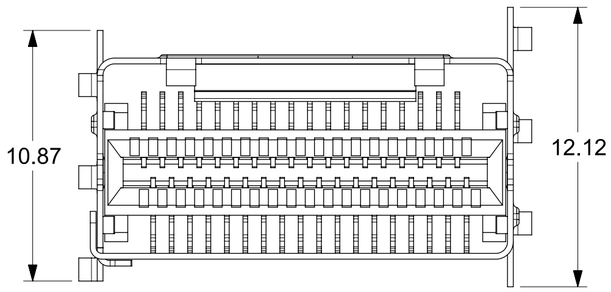
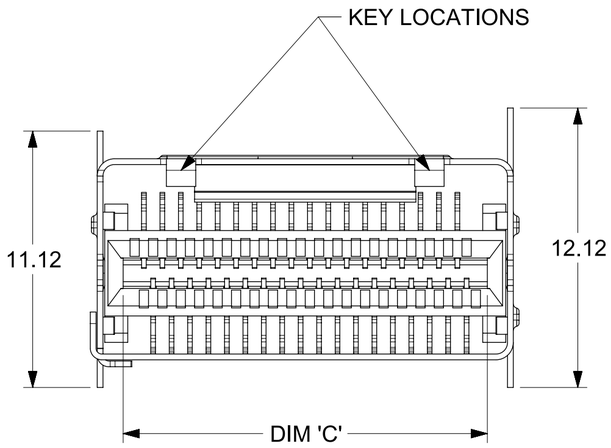
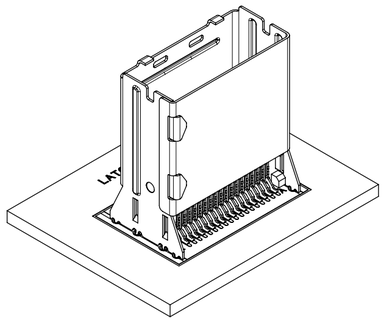
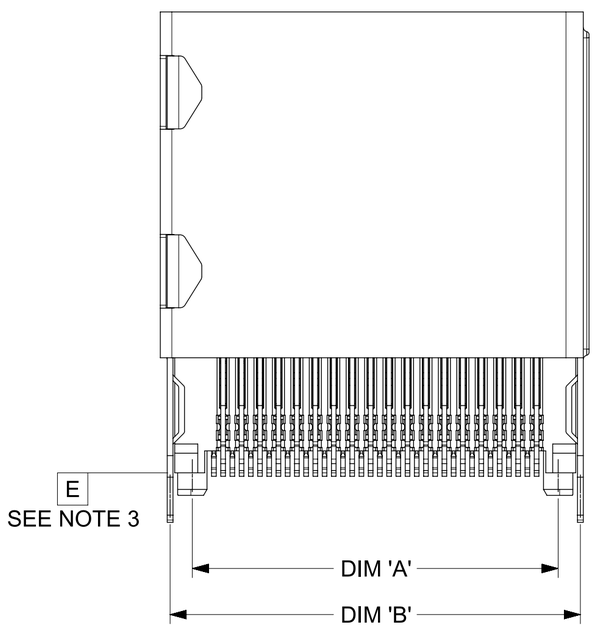


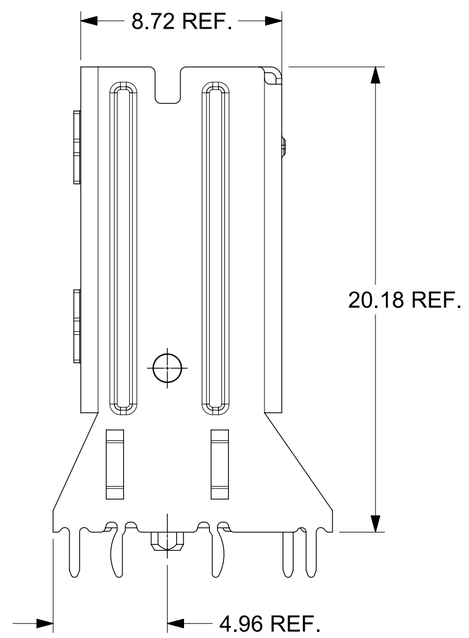

SMT



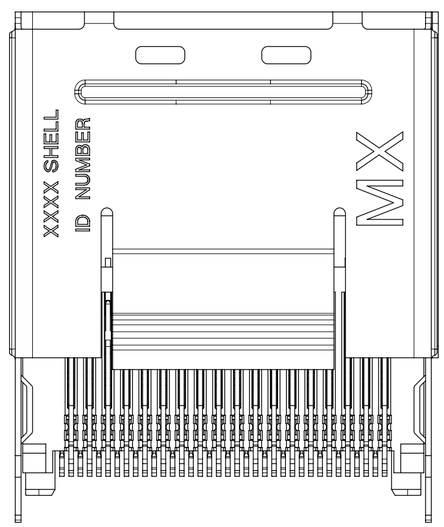



NOTES:
1. MATERIAL:
   CONNECTOR:
   HOUSING - HIGH TEMPERATURE THERMOPLASTIC GLASS FILLED, UL 94V-0, BLACK
   TERMINALS - COPPER ALLOY
   SHELL
   NICKEL SILVER, C770, THICKNESS: 0.250/0.254
2. FINISH:
   CONNECTOR
   OPTION 1
   CONTACT AREA - 0.38µm MIN GOLD OVER 2.54 µm NICKEL
   SOLDER FOOT AREA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




36 CIRCUIT
RETENTION FIT
SHELL OPTION SHOWN




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

iPass™ IS A TRADEMARK OF MOLEX

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

| | |
|---|---|
| DIMENSION UNITS | mm |
| SCALE | 5:1 |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
| ANGULAR TOL | ± 0.5° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.130 |
| 1 PLACE | ± 0.25 |
| 0 PLACES | ± |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | |

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148

STATUS: Production

| | | |
|---|---|---|
| DRWN: | Vishal Ramesh Hosur | 2024-05-08 |
| CHK'D: | Ganesh Rao B | 2024-05-20 |
| APPR: | Gurunandan GA | 2024-05-20 |

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 75784

molex

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

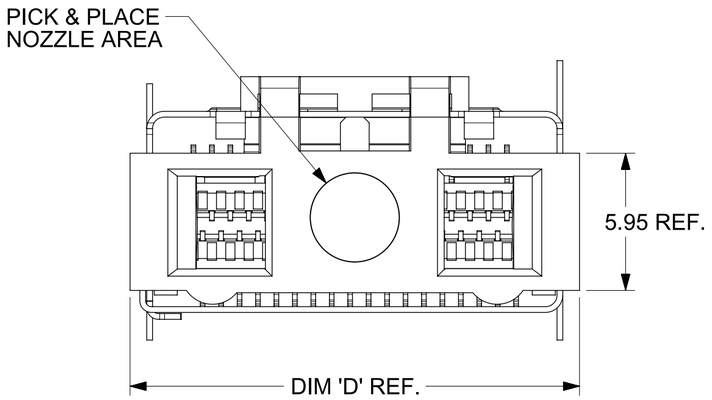
PRODUCT SALES DRAWING

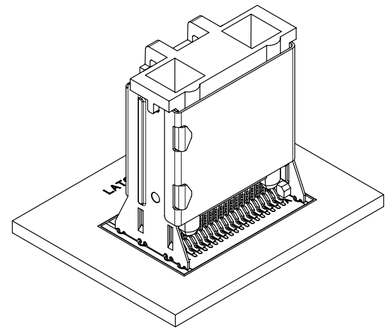
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-75784-001 | PSD | 001 | D9 |

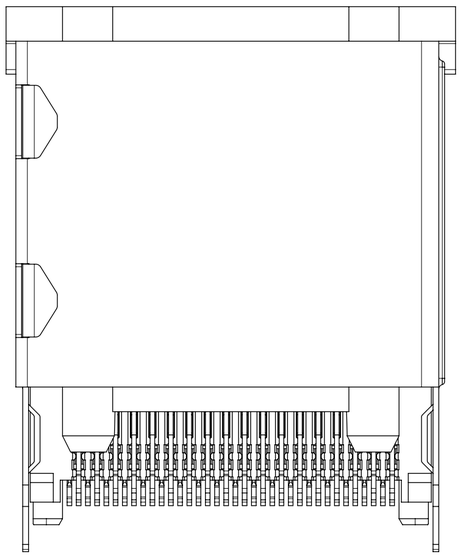
| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE TABLE | GENERAL MARKET | 1 OF 12 |

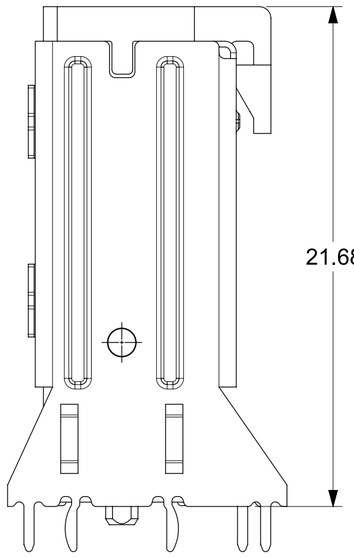
FORMAT: TC-B-prod-C
REVISION: B
DATE: 2022/08/01

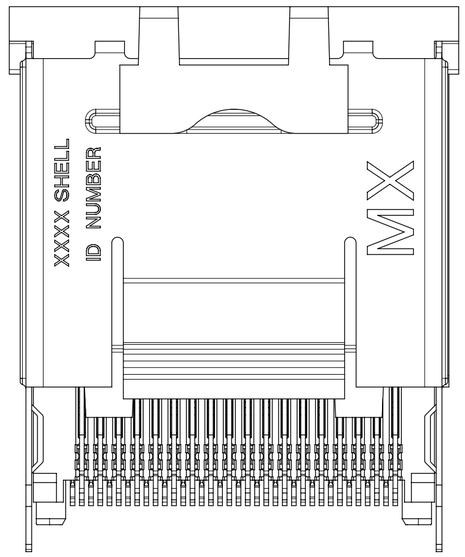
# ASSEMBLY WITH PRE-POSITIONING DEVICE








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.

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

iPass™ IS A TRADEMARK OF MOLEX

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

| | |
|---|---|
| DIMENSION UNITS | mm |
| SCALE | 5:1 |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
| ANGULAR TOL | ± 0.5° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.130 |
| 1 PLACE | ± 0.25 |
| 0 PLACES | ± |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | |

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148

| | | |
|---|---|---|
| STATUS: | Production | |
| DRWN: | Vishal Ramesh Hosur | 2024-05-08 |
| CHK'D: | Ganesh Rao B | 2024-05-20 |
| APPR: | Gurunandan GA | 2024-05-20 |

molex

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

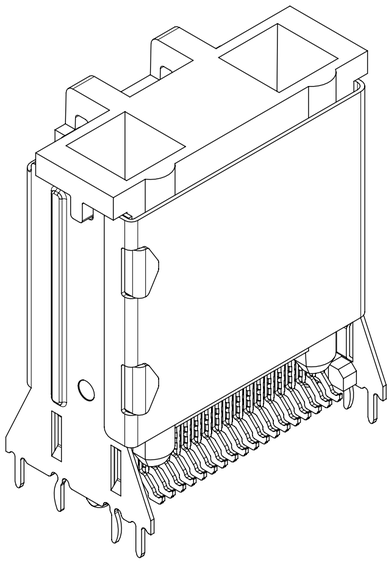
PRODUCT SALES DRAWING

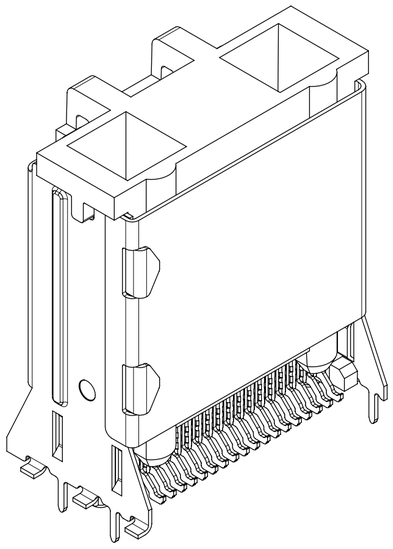
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-75784-001 | PSD | 001 | D9 |

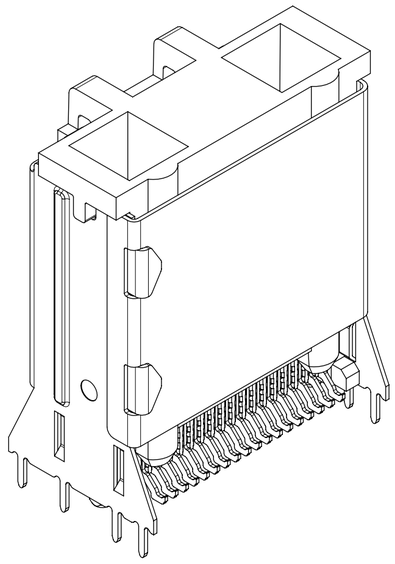
| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | C-SIZE | 75784 | SEE TABLE | GENERAL MARKET | 2 OF 12 |

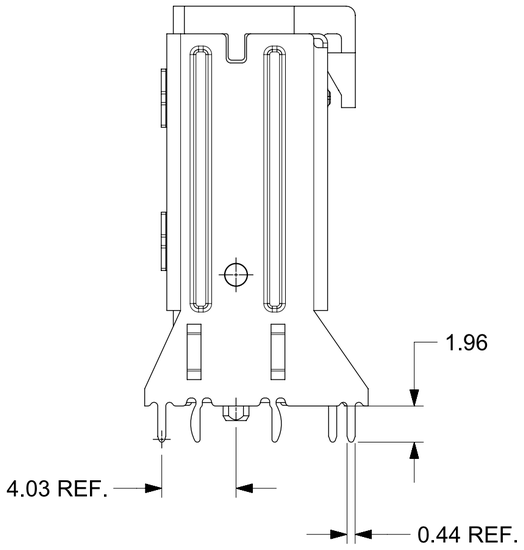
FORMAT TC-tb-prod-C
REVISION: B
DATE: 2022/08/01

# SHELL PCB INTERFACE

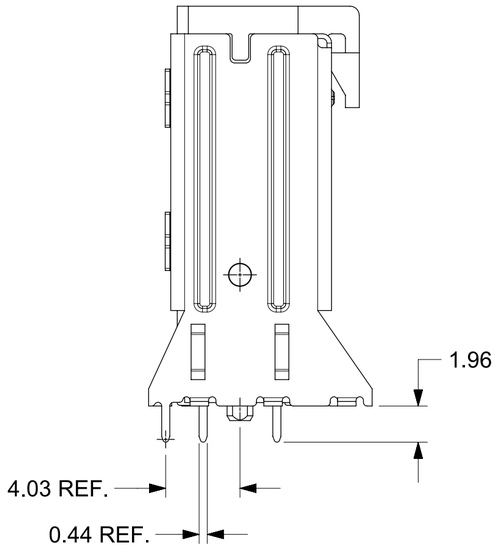




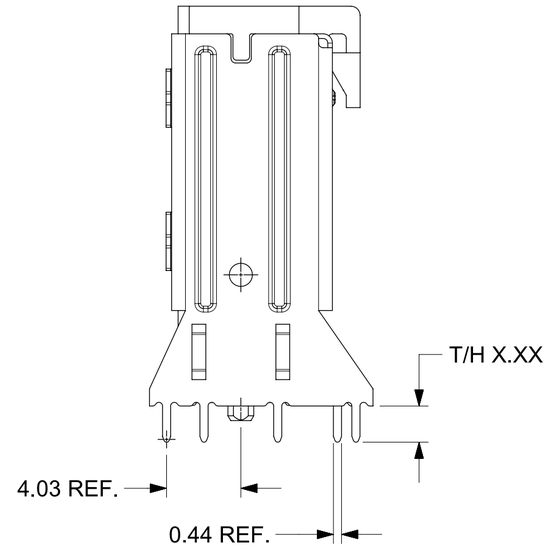





RETENTION-FIT
SHELL OPTION




SMT SHELL OPTION




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

RECOMMENDED PCB THICKNESS
FOR SPECIFIED TAIL LENGTH

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

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

iPass™ IS A TRADEMARK OF MOLEX

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

| | |
|---|---|
| DIMENSION UNITS | mm |
| SCALE | 4:1 |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
| ANGULAR TOL | ± 0.5° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.130 |
| 1 PLACE | ± 0.25 |
| 0 PLACES | ± |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | |

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148

STATUS: Production

| | | |
|---|---|---|
| DRWN: | Vishal Ramesh Hosur | 2024-05-08 |
| CHK'D: | Ganesh Rao B | 2024-05-20 |
| APPR: | Gurunandan GA | 2024-05-20 |

molex

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

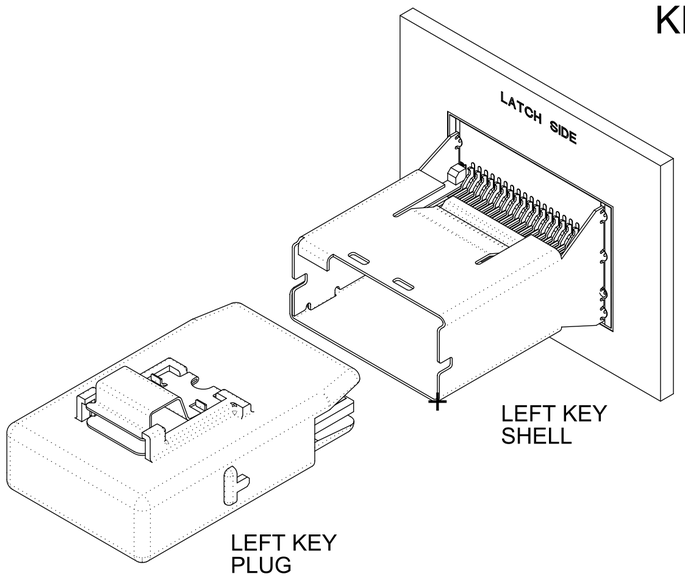
PRODUCT SALES DRAWING

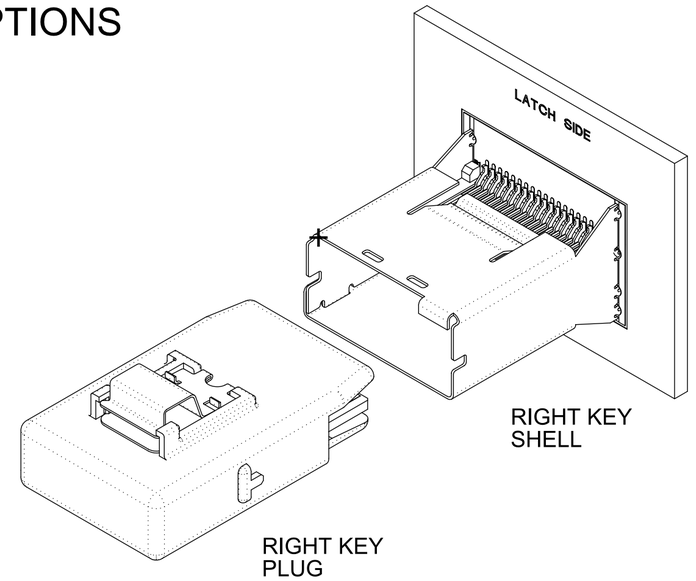
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-75784-001 | PSD | 001 | D9 |

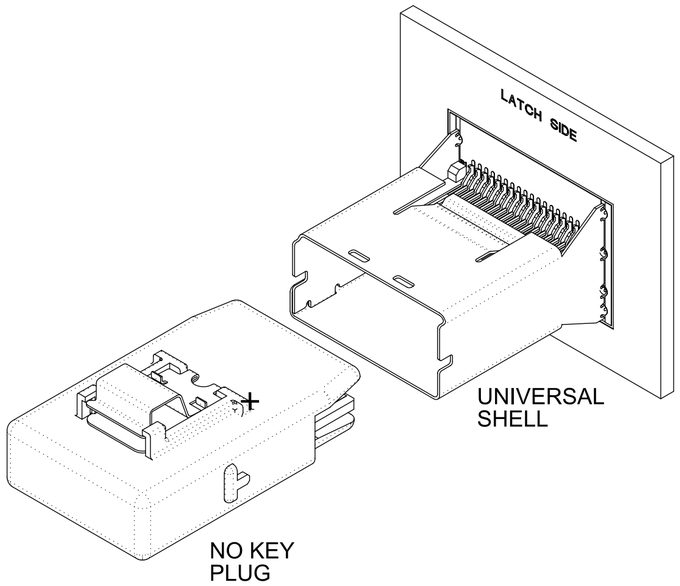
| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | C-SIZE | 75784 | SEE TABLE | GENERAL MARKET | 3 OF 12 |

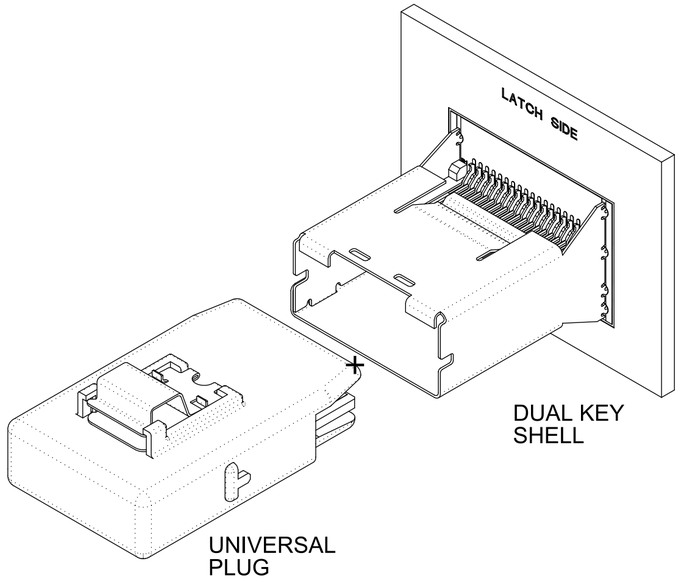
FORMAT TC-tb-prod-C
REVISION: B
DATE: 2022/08/01

# 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 |

iPass™ IS A TRADEMARK OF MOLEX

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

| | |
|---|---|
| DIMENSION UNITS | mm |
| SCALE | 2:1 |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
| ANGULAR TOL | ± 0.5° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.130 |
| 1 PLACE | ± 0.25 |
| 0 PLACES | ± |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | |

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148

STATUS: Production

| | | |
|---|---|---|
| DRWN: | Vishal Ramesh Hosur | 2024-05-08 |
| CHK'D: | Ganesh Rao B | 2024-05-20 |
| APPR: | Gurunandan GA | 2024-05-20 |

molex

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

PRODUCT SALES DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-75784-001 | PSD | 001 | D9 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | C-SIZE | 75784 | SEE TABLE | GENERAL MARKET | 4 OF 12 |

FORMAT: TC-tb-prod-C
REVISION: B
DATE: 2022/08/01

# 36 CIRCUIT ITEM NUMBERS

| CIRCUIT SIZE | ITEM NUMBER | PLATING OPTION | SHELL PCB OPTION | SHELL KEY OPTION |
|---|---|---|---|---|
| 36 | 75784-0109 | OPTION 1 | RETENTION | DUAL |
| 36 | 75784-0111 | OPTION 1 | SMT | RIGHT |
| 36 | 75784-0119 | OPTION 2 | RETENTION | LEFT |
| 36 | 75784-0120 | OPTION 2 | RETENTION | RIGHT |
| 36 | 75784-0126 | OPTION 1 | SMT | 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 1.69 | 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 | 75784-0143 | OPTION 2 | T/H 2.79 | DUAL |
| 36 | 75784-0144 | OPTION 2 | T/H 2.79 | UNIVERSAL |
| 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 |

iPass™ IS A TRADEMARK OF MOLEX

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

| | |
|---|---|
| DIMENSION UNITS | mm |
| SCALE | 1:1 |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
| ANGULAR TOL | ± 0.5° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.130 |
| 1 PLACE | ± 0.25 |
| 0 PLACES | ± |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | |

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148

| | | |
|---|---|---|
| STATUS: | Production | |
| DRWN: | Vishal Ramesh Hosur | 2024-05-08 |
| CHK'D: | Ganesh Rao B | 2024-05-20 |
| APPR: | Gurunandan GA | 2024-05-20 |

molex

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

PRODUCT SALES DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-75784-001 | PSD | 001 | D9 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | C-SIZE | 75784 | SEE TABLE | GENERAL MARKET | 5 OF 12 |

FORMAT TC-tb-prod-C
REVISION: B
DATE: 2022/08/01

# 50 CIRCUIT ITEM NUMBERS

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

iPass™ IS A TRADEMARK OF MOLEX

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

| | |
|---|---|
| DIMENSION UNITS | mm |
| SCALE | 1:1 |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
| ANGULAR TOL | ± 0.5° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.130 |
| 1 PLACE | ± 0.25 |
| 0 PLACES | ± |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | |

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148

STATUS: Production

| | | |
|---|---|---|
| DRWN: | Vishal Ramesh Hosur | 2024-05-08 |
| CHK'D: | Ganesh Rao B | 2024-05-20 |
| APPR: | Gurunandan GA | 2024-05-20 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES |
|---|---|---|
| | C-SIZE | 75784 |

molex

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

PRODUCT SALES DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-75784-001 | PSD | 001 | D9 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE TABLE | GENERAL MARKET | 6 OF 12 |

# 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 |

| 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 | 75784-0348 | OPTION 1 | T/H 3.18 | UNIVERSAL |

iPass™ IS A TRADEMARK OF MOLEX

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

| | |
|---|---|
| DIMENSION UNITS | mm |
| SCALE | 1:1 |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
| ANGULAR TOL | ± 0.5° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.130 |
| 1 PLACE | ± 0.25 |
| 0 PLACES | ± |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | |

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148

STATUS: Production

| | | |
|---|---|---|
| DRWN: | Vishal Ramesh Hosur | 2024-05-08 |
| CHK'D: | Ganesh Rao B | 2024-05-20 |
| APPR: | Gurunandan GA | 2024-05-20 |

molex

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

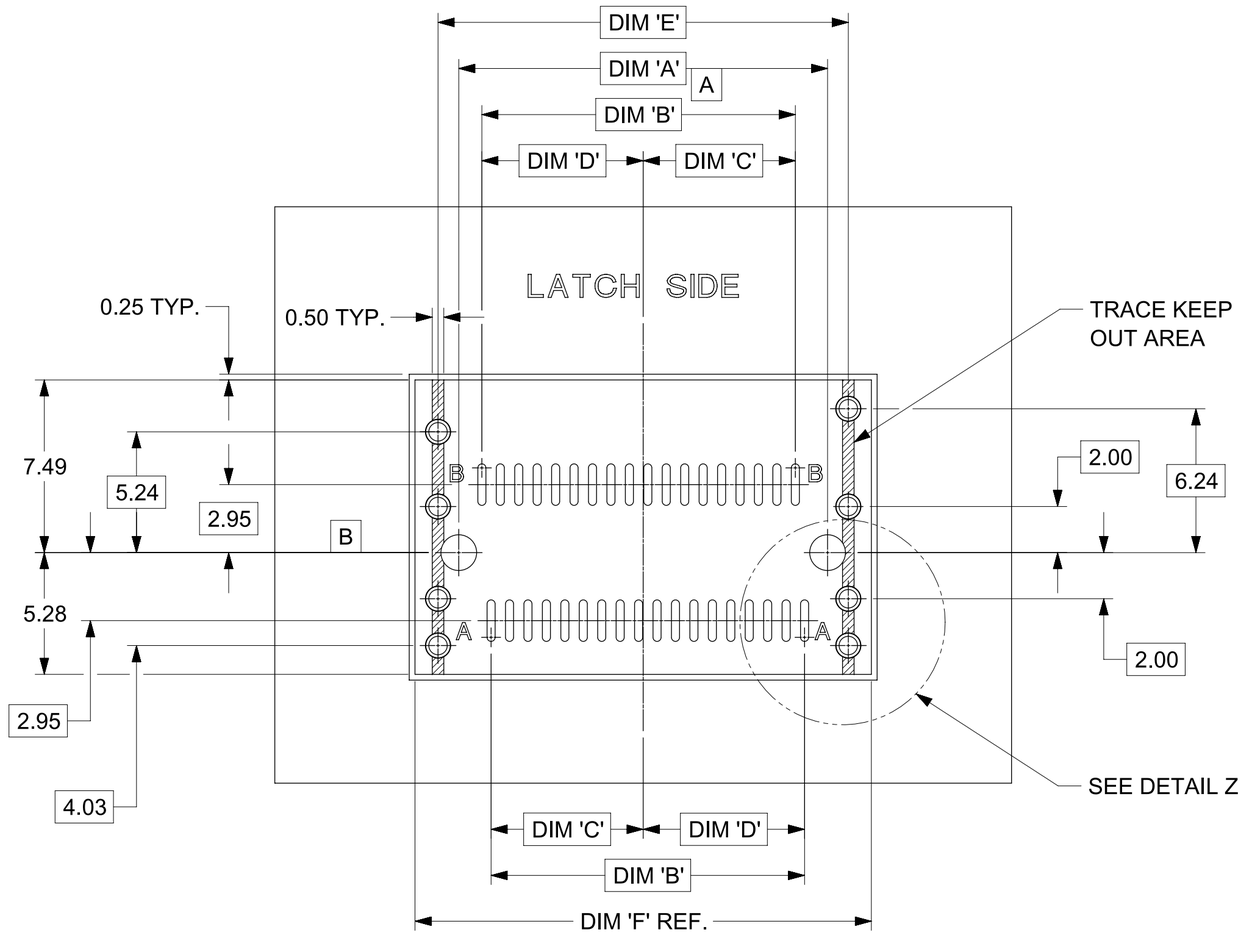
PRODUCT SALES DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-75784-001 | PSD | 001 | D9 |

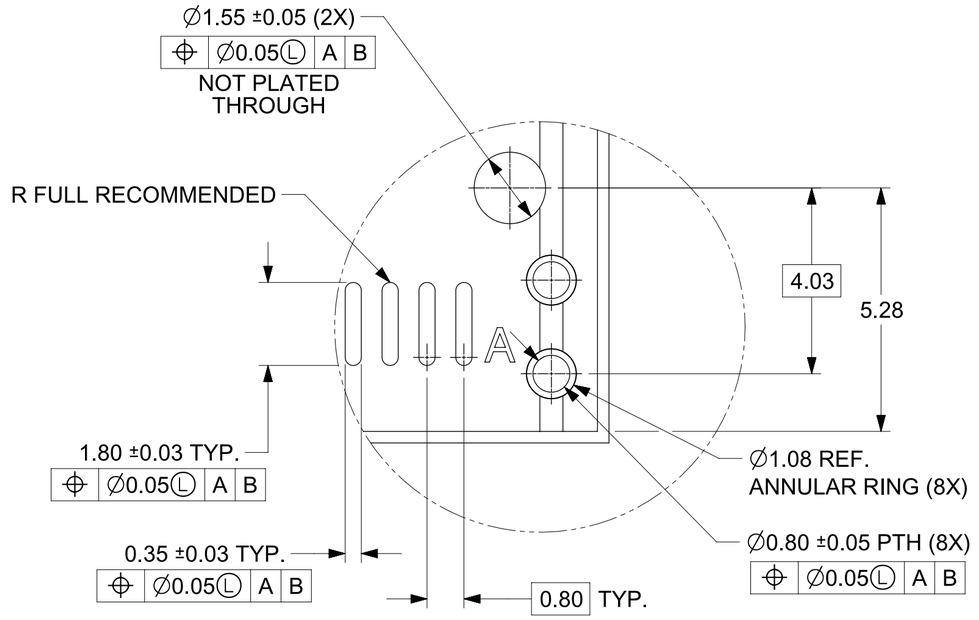
| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | C-SIZE | 75784 | SEE TABLE | GENERAL MARKET | 7 OF 12 |

FORMAT TC-tb-prod-C
REVISION: B
DATE: 2022/08/01

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




36 CIRCUIT SHOWN




DETAIL Z
SCALE 10:1

| CIRCUIT SIZE | DIM 'A' PEG TO PEG | DIM 'B' FIRST TO LAST PAD | DIM 'C' CENTERLINE TO PAD | DIM 'D' CENTERLINE TO PAD | DIM 'E' SHELL PEG TO PEG | DIM 'F' SHELL FOOTPRINT WIDTH |
|---|---|---|---|---|---|---|
| 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 |

iPass™ IS A TRADEMARK OF MOLEX

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

| | |
|---|---|
| DIMENSION UNITS | mm |
| SCALE | 5:1 |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
| ANGULAR TOL | ± 0.5° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.130 |
| 1 PLACE | ± 0.25 |
| 0 PLACES | ± |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | |

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148

STATUS: Production

| | | |
|---|---|---|
| DRWN: | Vishal Ramesh Hosur | 2024-05-08 |
| CHK'D: | Ganesh Rao B | 2024-05-20 |
| APPR: | Gurunandan GA | 2024-05-20 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES |
|---|---|---|
| | C-SIZE | 75784 |

molex

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

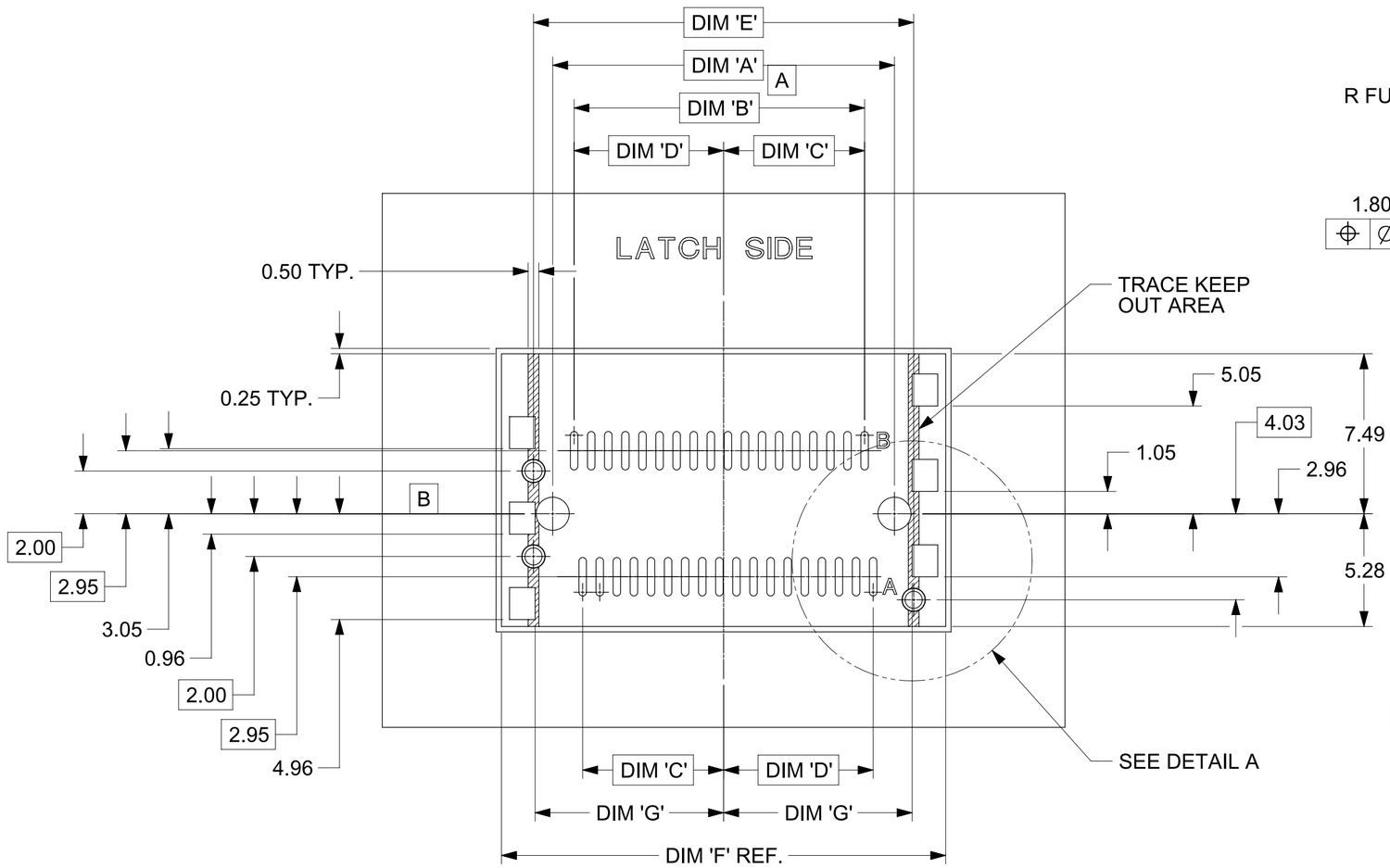
PRODUCT SALES DRAWING

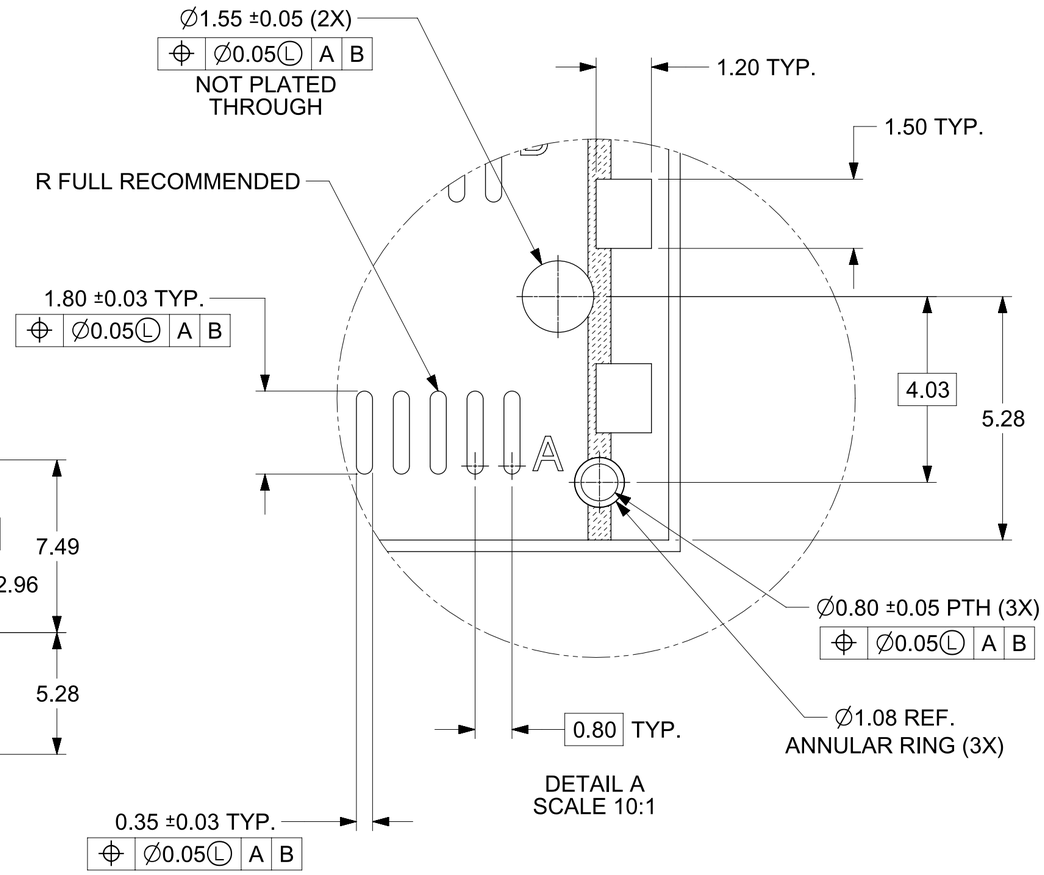
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-75784-001 | PSD | 001 | D9 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE TABLE | GENERAL MARKET | 8 OF 12 |

FORMAT: TC-tb-prod-C
REVISION: B
DATE: 2022/08/01

# VERTICAL CONNECTOR
# WITH SMT SHELL
# PCB FOOT PRINT




36 CIRCUIT SHOWN

| CIRCUIT SIZE | DIM 'A' PEG TO PEG | DIM 'B' FIRST TO LAST PAD | DIM 'C' CENTERLINE TO PAD | DIM 'D' CENTERLINE TO PAD | DIM 'E' SHELL PEG TO PEG | DIM 'F' SHELL FOOTPRINT WIDTH | DIM 'G' CENTERLINE TO PAD EDGE |
|---|---|---|---|---|---|---|---|
| 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 |

iPass™ IS A TRADEMARK OF MOLEX

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

| | |
|---|---|
| DIMENSION UNITS | mm |
| SCALE | 5:1 |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
| ANGULAR TOL | ± 0.5° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.130 |
| 1 PLACE | ± 0.25 |
| 0 PLACES | ± |

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148

STATUS: Production
DRWN: Vishal Ramesh Hosur 2024-05-08
CHK'D: Ganesh Rao B 2024-05-20
APPR: Gurunandan GA 2024-05-20

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 75784

molex

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

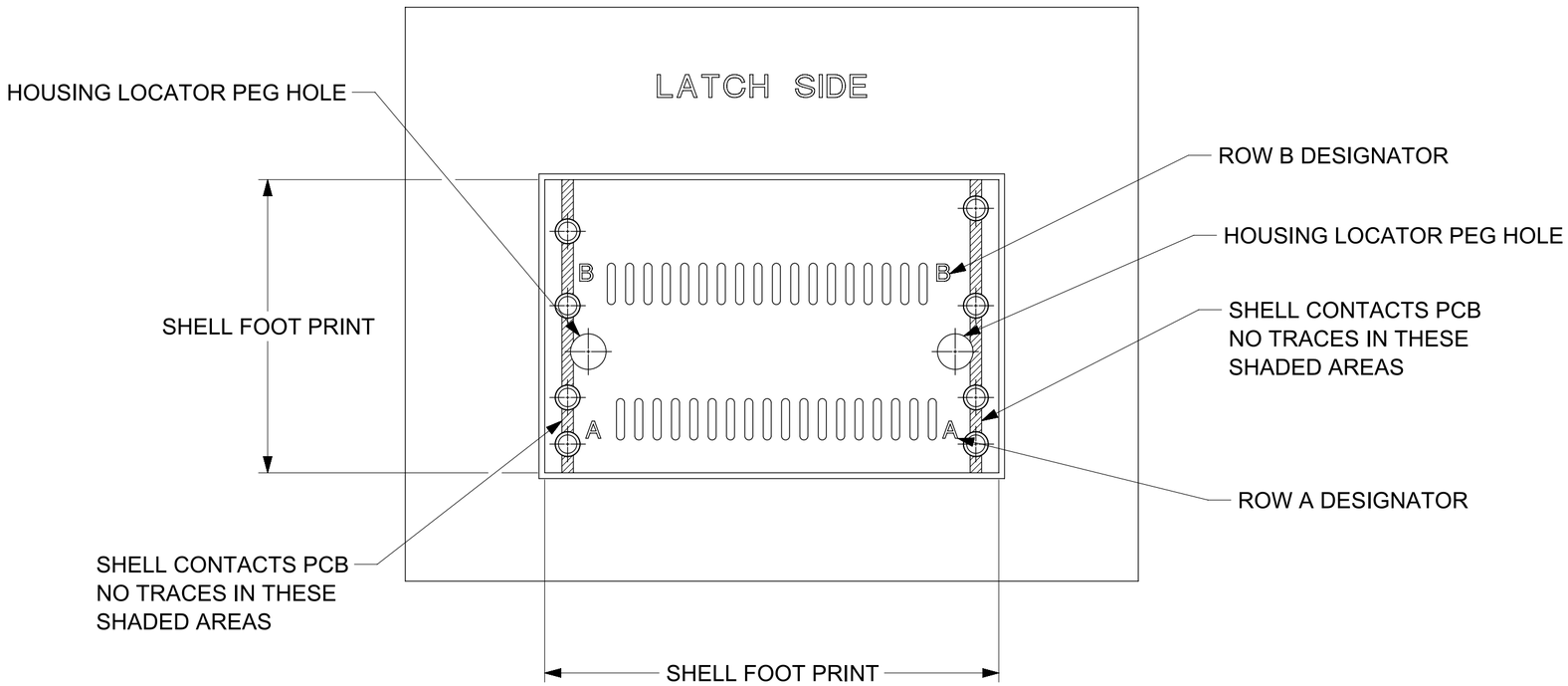
PRODUCT SALES DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-75784-001 | PSD | 001 | D9 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE TABLE | GENERAL MARKET | 9 OF 12 |

FORMAT: TC-tb-prod-C
REVISION: B
DATE: 2022/08/01

# VERTICAL CONNECTOR WITH SHELL
# PCB FOOT PRINT DESCRIPTIONS




36 CIRCUIT SHOWN

iPass™ IS A TRADEMARK OF MOLEX

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

| | |
|---|---|
| DIMENSION UNITS | mm |
| SCALE | 5:1 |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
| ANGULAR TOL | ± 0.5° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.130 |
| 1 PLACE | ± 0.25 |
| 0 PLACES | ± |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | |

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148

STATUS: Production

| | | |
|---|---|---|
| DRWN: | Vishal Ramesh Hosur | 2024-05-08 |
| CHK'D: | Ganesh Rao B | 2024-05-20 |
| APPR: | Gurunandan GA | 2024-05-20 |

molex

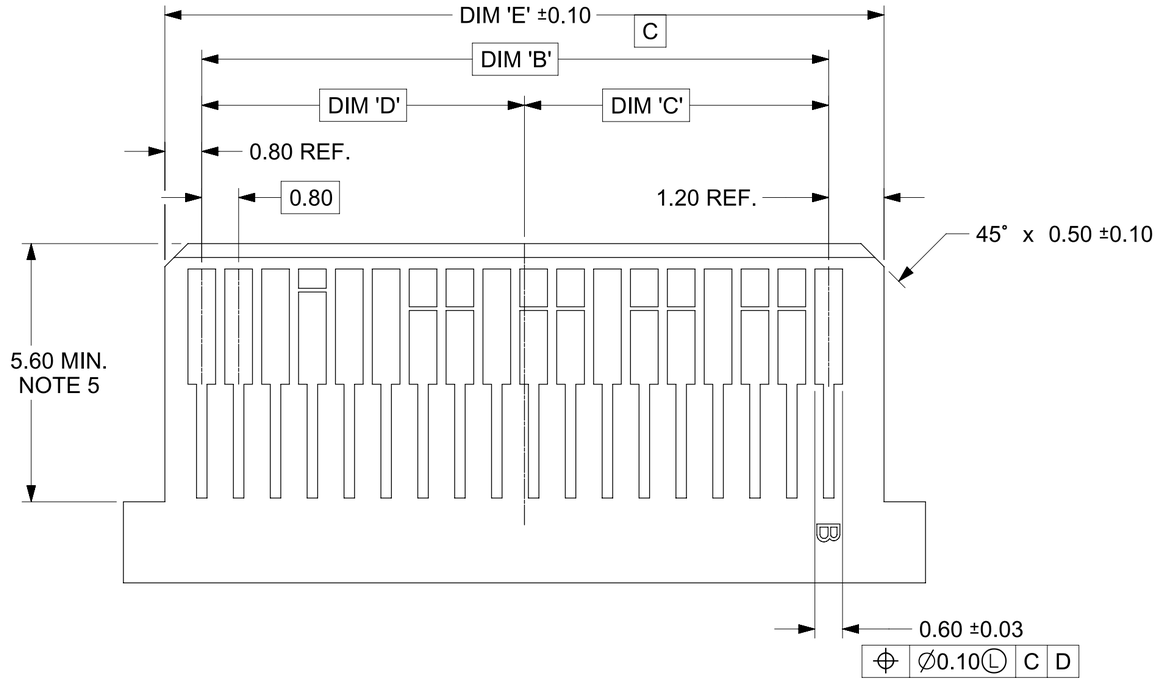
I-PASS VERT CONNECTOR
INTERNAL ASSY W/SHELL 0.8MM PITCH I/O

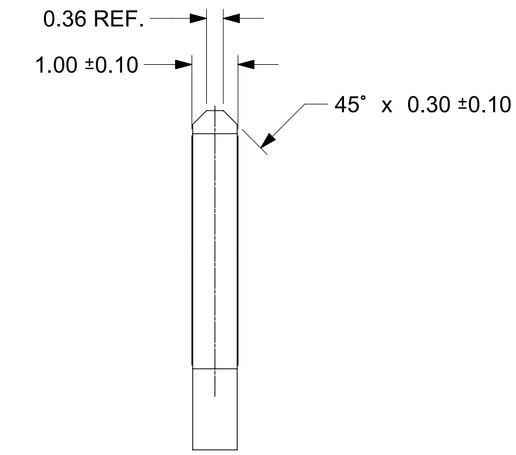
PRODUCT SALES DRAWING

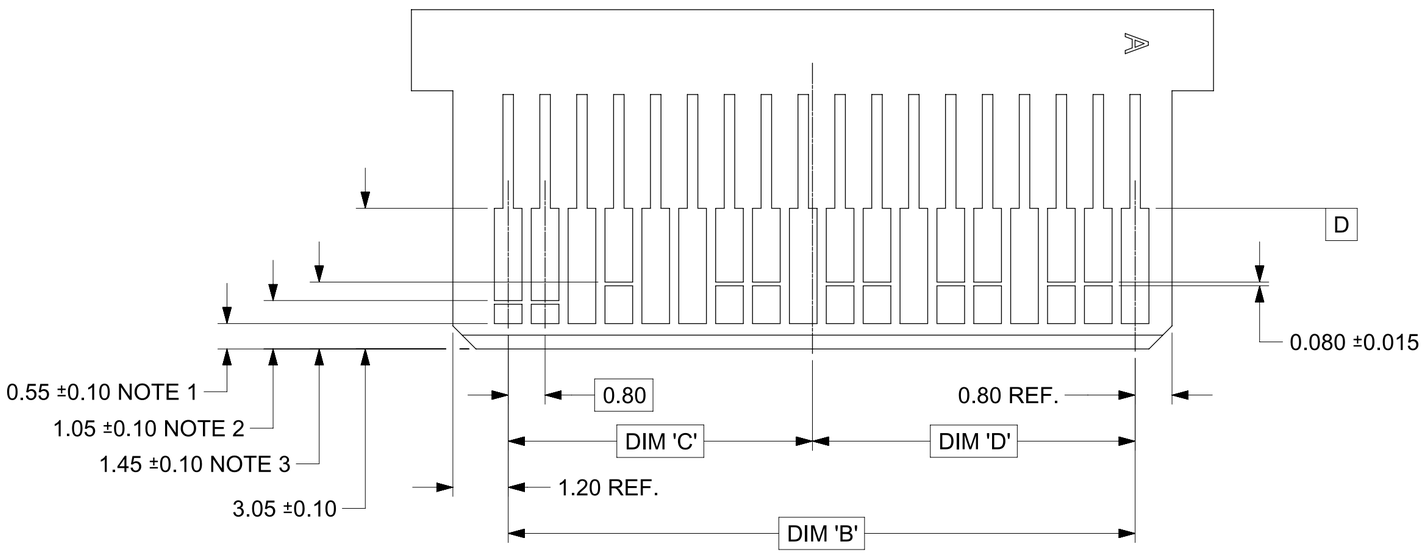
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-75784-001 | PSD | 001 | D9 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | C-SIZE | 75784 | SEE TABLE | GENERAL MARKET | 10 OF 12 |

# MATING INTERFACE (FOR REFERENCE ONLY)




36 CIRCUIT SHOWN

| CIRCUIT SIZE | TERM/SIDE 'N' | DIM 'B' | DIM 'C' | DIM 'D' | DIM 'E' |
|---|---|---|---|---|---|
| 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 |

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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

| | |
|---|---|
| DIMENSION UNITS | mm |
| SCALE | 1:1 |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
| ANGULAR TOL | ± 0.5° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.130 |
| 1 PLACE | ± 0.25 |
| 0 PLACES | ± |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | |
| THIRD ANGLE PROJECTION | |
| DRAWING | C-SIZE |
| SERIES | 75784 |
| MATERIAL NUMBER | SEE TABLE |
| CUSTOMER | GENERAL MARKET |
| SHEET NUMBER | 11 OF 12 |

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148

STATUS: Production

DRWN: Vishal Ramesh Hosur 2024-05-08

CHK'D: Ganesh Rao B 2024-05-20

APPR: Gurunandan GA 2024-05-20

molex

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

PRODUCT SALES DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-75784-001 | PSD | 001 | D9 |

FORMAT: TC-tb-prod-C
REVISION: B
DATE: 2022/08/01

## REVISION DESCRIPTION

| REV | DATE | DESCRIPTION |
|---|---|---|
| D5 | 2019/4/17 | DRAWING MIGRATION TO ECTR |
| D6 | 2021/08/03 | OBSOLETED PART NUMBERS:<br>757840008,757840019,757840020,757840021,757840022,757840023,757840024,757840029,757840030,757840031,757840033,<br>757840034,757840035,757840107,757840108,757840130,757840135,757840145,757840146,757840149,757840153,757840154,<br>757840155,757840157,757840158,757840207,757840209,757840210,757840211,757840219,757840220,757840221,757840222,<br>757840223,757840224,757840227,757840228,757840229,757840230,757840231,757840233,757840234,757840235,757840236,<br>757840237,757840238,757840239,757840241,757840242,757840243,757840246,757840247,757840248,757840249,757840250,<br>757840251,757840309,757840310,757840311,757840312,757840319,757840321,757840322,757840323,757840325,757840331,<br>757840335,757840339,757840341,757840342,757840343,757840345,757840346,757840347,757840349,757840350 |
| D7 | 2023/03/29 | 1)OBSOLETED PART NUMBERS<br>757840050, 757840252, 757840051, 757840052, 757840012, 757840336, 757840337, 757840141, 757840142, 757840025,<br>757840344, 757840028, 757840026, 757840032, 757840150, 757840151, 757840352, 757840232, 757840039, 757840037,<br>757840038, 757840042, 757840240, 757840043, 757840040, 757840041, 757840046, 757840047, 757840121, 757840045,<br>757840127, 757840007, 757840048, 757840049.<br><br>2)REMOVED SHEET 5 AND REMOVED 26 CKT ITEM NUMBERS |
| D8 | 2024/02/23 | 75784-0136 & 75784-0137, MENTIONED PART NUMBER HAVE BEEN RE-ADDED TO THE SHEET 5. |
| D9 | 2024/05/08 | REMOVED OBSOLETED PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148 |

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

| | |
|---|---|
| DIMENSION UNITS | mm |
| SCALE | 1:1 |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
| ANGULAR TOL | ± 0.5° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.130 |
| 1 PLACE | ± 0.25 |
| 0 PLACES | ± |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | |

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS 75784-0110, 75784-0112, 75784-0125, 75784-0147 & 75784-0148

STATUS: Production

| | | |
|---|---|---|
| DRWN: | Vishal Ramesh Hosur | 2024-05-08 |
| CHK'D: | Ganesh Rao B | 2024-05-20 |
| APPR: | Gurunandan GA | 2024-05-20 |

molex

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

PRODUCT SALES DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-75784-001 | PSD | 001 | D9 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | C-SIZE | 75784 | SEE TABLE | GENERAL MARKET | 12 OF 12 |

FORMAT TC-tb-prod-C
REVISION: B
DATE: 2022/08/01