



RECOMMENDED PCB LAYOUT

NOTES:

1. TERMINAL MAT'L: ALLOY C26000, CARTRIDGE BRASS
2. WAFER MAT'L: 30% GLASS FILLED LCP, 94V-0, COLOR BLACK.
3. TERMINAL PLATING:
 OPTION 4 - 1.5µm MIN MATTE TIN OVERALL OVER 1.25µm NICKEL OVERALL
 OPTION 1 - 2.5µm MIN MATTE TIN OVERALL OVER 1.25µm NICKEL OVERALL
 OPTION 2 - 1.25µm NICKEL OVERALL 2.5µm MIN SELECT MATTE TIN PC TAIL
 AREA 0.05-0.25µm SELECT GOLD CONTACT AREA
 OPTION 3 - 1.25µm NICKEL OVERALL 2.5µm MIN SELECT MATTE TIN PC TAIL
 AREA 0.75µm SELECT GOLD CONTACT AREA
4. HEADER ASSEMBLIES ARE TUBE PACKAGED PER PK-36518-340.
5. ALL THE POSITIONAL TOLERANCES SHOULD BE MEASURED AT TIP OF THE TERMINALS.
6. DATUMS SHOULD BE CONSIDERED FROM THE EDGES OF THE HOUSING.
7. POSITION TOLERANCE OF PIN AT MATING SIDE SHOULD BE MAINTAINED AT 0.3MM IN THE FINAL MODULE BY CUSTOMER.
8. [G] DENOTES DIMENSIONS THAT CAN BE QUALIFIED WITH A GAUGE
9. BLADE GEOMETRY DOES NOT CONFORM TO USCAR SPECIFICATIONS
10. PLEASE REFER USCAR WEBSITE FOR 1.5mm DIRECT CONNECT INTERFACE (SHROUD) DETAILS
11. PLEASE REFER SD-33472-0001 FOR 2 X 10 SHROUD DETAILS.

| | | | | | | | | | | |
|--|---|---------------------------------------|---|-----------------|----------------|--------------|--|--------|---|--|
| 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: 11 PN's: 757571102,1182,1231,1321,1331,1421,1432, 1442, 5181,5221,5341 ARE OBSOLETE | | | | | | | |
| mm | 4:1 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | | | | | | MX150 DUAL ROW UNSHROUDED VERTICAL HEADER ASSEMBLY | |
| ANGULAR TOL | ± 0.5° | EC NO: 633184 | | | | | | | PRODUCT CUSTOMER DRAWING | |
| 4 PLACES | ± | DRWN: RYELAVATTITH 2020/02/26 | | | | | | | DOCUMENT NUMBER | |
| 3 PLACES | ± | CHK'D: RYELAVATTITH 2020/03/02 | | | | | | | SD-75757-002 | |
| 2 PLACES | ± 0.13 | APPR: SNAYAK01 2020/03/02 | | | | | | | DOC TYPE | |
| 1 PLACE | ± 0.25 | INITIAL REVISION: | | | | | | | PSD | |
| 0 PLACES | ± | DRWN: TMCLELL 2005/03/10 | | | | | | | DOC PART | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | REVISION | | G4 | | |
| | | A2-SIZE | 75757 | SEE TABLE | GENERAL MARKET | SHEET NUMBER | | 1 OF 2 | | |

| | | | | | | | | | | | | | | | |
|----------|----------------|-----------------|----------|---------|---------|-----------------|----------|---------|---------|-----------------|----------|---------|---------|---------|-------------|
| 2 x 2 | 1 | 75757-5121 | | 3.05 | 16.09 | 75757-1121 | | 3.05 | 11.20 | 75757-1122 | OBSOLETE | 4.75 | 11.20 | 7.0 | 3.50 REF |
| | 2 | 75757-5221 | OBSOLETE | | | 75757-1221 | | | | 75757-1222 | OBSOLETE | | | | |
| | 3 | 75757-5321 | OBSOLETE | | | 75757-1321 | OBSOLETE | | | 75757-1322 | OBSOLETE | | | | |
| | 4 | 75757-5421 | | | | 75757-1421 | OBSOLETE | | | 75757-1422 | OBSOLETE | | | | |
| 2 x 3 | 1 | 75757-5131 | | 3.05 | 16.09 | 75757-1131 | | 3.05 | 11.20 | 75757-1132 | OBSOLETE | 4.75 | 11.20 | 10.5 | 7.00 |
| | 2 | 75757-5231 | OBSOLETE | | | 75757-1231 | OBSOLETE | | | 75757-1232 | OBSOLETE | | | | |
| | 3 | 75757-5331 | OBSOLETE | | | 75757-1331 | OBSOLETE | | | 75757-1332 | OBSOLETE | | | | |
| | 4 | 75757-5431 | | | | 75757-1431 | | | | 75757-1432 | OBSOLETE | | | | |
| 2 x 4 | 1 | 75757-5141 | | 3.05 | 16.09 | 75757-1141 | OBSOLETE | 3.05 | 11.20 | 75757-1142 | OBSOLETE | 4.75 | 11.20 | 14.0 | 10.50 |
| | 2 | 75757-5241 | | | | 75757-1241 | | | | 75757-1242 | OBSOLETE | | | | |
| | 3 | 75757-5341 | OBSOLETE | | | 75757-1341 | OBSOLETE | | | 75757-1342 | OBSOLETE | | | | |
| | 4 | 75757-5441 | | | | 75757-1441 | | | | 75757-1442 | OBSOLETE | | | | |
| 2 x 6 | 1 | 75757-5161 | | 3.05 | 16.09 | 75757-1161 | | 3.05 | 11.20 | 75757-1162 | OBSOLETE | 4.75 | 11.20 | 21.0 | 17.50 |
| | 2 | 75757-5261 | | | | 75757-1261 | | | | 75757-1262 | OBSOLETE | | | | |
| | 3 | 75757-5361 | | | | 75757-1361 | OBSOLETE | | | 75757-1362 | OBSOLETE | | | | |
| | 4 | 75757-5461 | | | | 75757-1461 | | | | 75757-1462 | OBSOLETE | | | | |
| 2 x 8 | 1 | 75757-5181 | OBSOLETE | 3.05 | 16.09 | 75757-1181 | | 3.05 | 11.20 | 75757-1182 | OBSOLETE | 4.75 | 11.20 | 28.0 | 24.50 |
| | 2 | 75757-5281 | OBSOLETE | | | 75757-1281 | OBSOLETE | | | 75757-1282 | OBSOLETE | | | | |
| | 3 | 75757-5381 | | | | 75757-1381 | OBSOLETE | | | 75757-1382 | OBSOLETE | | | | |
| | 4 | 75757-5481 | | | | 75757-1481 | | | | 75757-1482 | OBSOLETE | | | | |
| 2 x 10 | 1 | 75757-5101 | | 3.05 | 16.09 | 75757-1101 | | 3.05 | 11.20 | 75757-1102 | OBSOLETE | 4.75 | 11.20 | 35.0 | 31.50 |
| | 2 | 75757-5201 | | | | 75757-1201 | OBSOLETE | | | 75757-1202 | OBSOLETE | | | | |
| | 3 | 75757-5301 | | | | 75757-1301 | OBSOLETE | | | 75757-1302 | OBSOLETE | | | | |
| | 4 | 75757-5401 | | | | 75757-1401 | | | | 75757-1402 | OBSOLETE | | | | |
| CKT SIZE | PLATING OPTION | MATERIAL NUMBER | STATUS | "C" DIM | "F" DIM | MATERIAL NUMBER | STATUS | "C" DIM | "F" DIM | MATERIAL NUMBER | STATUS | "C" DIM | "F" DIM | "A" DIM | "B" DIM |

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|--|---|-----------------|----------|-----------|----------|----------|---------------------|--|-----|-----|-----------|-----------------|----------|--------------|--|--|-----------|----------------|--------|--|--|
| ∇ = 0 | DIMENSION UNITS: mm SCALE: NTS | | | | | | | | | | | | | | | | | | | | |
| ∇ = 0 | CURRENT REV DESC: 11 PN's: 757571102,1182,1231,1321,1331,1421,1432, 1442, 5181,5221,5341 ARE OBSOLETE | | | | | | | | | | | | | | | | | | | | |
| ∇ = 0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | | | | | | | | | | | | | | | | | | | |
| ∇ = 0 | EC NO: 633184 | | | | | | | | | | | | | | | | | | | | |
| ∇ = 0 | DRWN: RYELAVATTITH 2020/02/26 | | | | | | | | | | | | | | | | | | | | |
| ∇ = 0 | CHK'D: RYELAVATTITH 2020/03/02 | | | | | | | | | | | | | | | | | | | | |
| ∇ = 0 | APPR: SNAYAK01 2020/03/02 | | | | | | | | | | | | | | | | | | | | |
| ∇ = 0 | INITIAL REVISION: | | | | | | | | | | | | | | | | | | | | |
| ∇ = 0 | DRWN: TMCLELL 2005/03/10 | | | | | | | | | | | | | | | | | | | | |
| ∇ = 0 | APPR: MBANAKIS 2005/03/15 | | | | | | | | | | | | | | | | | | | | |
| ∇ = 0 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | | | | | | | | | | | | | | | | | |
| ∇ = 0 | THIRD ANGLE PROJECTION | | | | | | | | | | | | | | | | | | | | |
| ∇ = 0 | DRAWING: A2-SIZE SERIES: 75757 | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td colspan="2">DOCUMENT NUMBER</td> <td>DOC TYPE</td> <td>DOC PART</td> <td>REVISION</td> </tr> <tr> <td colspan="2">SD-75757-002</td> <td>PSD</td> <td>001</td> <td>G4</td> </tr> <tr> <td>MATERIAL NUMBER</td> <td>CUSTOMER</td> <td colspan="3">SHEET NUMBER</td> </tr> <tr> <td>SEE TABLE</td> <td>GENERAL MARKET</td> <td colspan="3">2 OF 2</td> </tr> </table> | | DOCUMENT NUMBER | | DOC TYPE | DOC PART | REVISION | SD-75757-002 | | PSD | 001 | G4 | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER | | | SEE TABLE | GENERAL MARKET | 2 OF 2 | | |
| DOCUMENT NUMBER | | DOC TYPE | DOC PART | REVISION | | | | | | | | | | | | | | | | | |
| SD-75757-002 | | PSD | 001 | G4 | | | | | | | | | | | | | | | | | |
| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER | | | | | | | | | | | | | | | | | | | |
| SEE TABLE | GENERAL MARKET | 2 OF 2 | | | | | | | | | | | | | | | | | | | |

molex

MX150 DUAL ROW
UNSHROUDED VERTICAL HEADER ASSEMBLY

PRODUCT CUSTOMER DRAWING