



1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP), GLASS-FILLED, UL94V-0  
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
2. FINISH: 30µIN MIN SELECTIVE GOLD IN CONTACT AREA, SELECTIVE TIN  
ON PCB TAILS. NICKEL OVERALL.
3. REFER TO MOLEX PRODUCT SPEC PS-76060-999 FOR PERFORMANCE SPECIFICATIONS  
AND ADDITIONAL PCB INFORMATION.
4. EACH SIGNAL WAFER CONTAINS 2 COLUMNS OF TERMINALS.
5. PRODUCT IS PACKAGED PER PK-70873-591.
6. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002.
7. REFER TO MOLEX SALES DRAWING SD-76165-003 FOR THE MATING HEADERS AND  
SD-76410-002 FOR THE MATING RAM CONNECTORS.
8. REFER TO MOLEX PCB ROUTING GUIDE AS-76060-990 FOR THE ANTIPAD AND ROUTING  
RECOMMENDATIONS.
9. PART NUMBER 76170-5720 SHOWN ON DRAWING. KEYING FEATURES WILL CHANGE  
WITH COLUMN SIZE.
10. MINIMUM BOARD THICKNESS IS 1.00 mm FOR COMPLIANT PIN FUNCTIONALITY.
11. WHEN USING MOLEX SUPPLIED #2-32 SCREW 73726-0005 (7.62mm +0.38/-0.76  
THREADABLE SCREW LENGTH), THE MAXIMUM BOARD THICKNESS RANGE  
IS 1.9 mm TO 2.5 mm.
12. MARKING: LOCATED APPROXIMATELY AS SHOWN. PART NUMBER AND DATE CODE.



|                 |                |              |
|-----------------|----------------|--------------|
| MATERIAL NUMBER | CUSTOMER       | SHEET NUMBER |
| SEE CHART       | GENERAL MARKET | 1 OF 2       |

| MATERIAL NUMBER | # OF COLUMNS | # OF DIFF PAIR | DIM "A" MAX | DIM "B" | PTH Ø         |
|-----------------|--------------|----------------|-------------|---------|---------------|
| 76170-***6      | 6            | 18             | 19.00       | 9.50    | 0.46<br>±0.05 |
| 76170-***8      | 8            | 24             | 22.80       | 13.30   |               |
| 76170-***0      | 10           | 30             | 26.60       | 17.10   |               |
| 76170-***4      | 14           | 42             | 34.20       | 24.70   |               |
| 76170-***6      | 16           | 48             | 38.00       | 28.50   |               |
| 76170-***6      | 6            | 18             | 19.00       | 9.50    | 0.39<br>±0.05 |
| 76170-***8      | 8            | 24             | 22.80       | 13.30   |               |
| 76170-***0      | 10           | 30             | 26.60       | 17.10   |               |
| 76170-***4      | 14           | 42             | 34.20       | 24.70   |               |
| 76170-***6      | 16           | 48             | 38.00       | 28.50   |               |

76170-\*\*\*\*

MODULE & TAIL PLATING TYPE  
5 = RIGHT GUIDED LEAD-FREE

POLARIZATION KEY ORIENTATION  
0 = NO KEY  
1 = A      5 = E  
2 = B      6 = F  
3 = C      7 = G  
4 = D      8 = H

# OF COLUMNS  
06 = 6 COL 0.46 PTH  
08 = 8 COL 0.46 PTH  
10 = 10 COL 0.46 PTH  
14 = 14 COL 0.46 PTH  
16 = 16 COL 0.46 PTH  
20 = 10 COL 0.39 PTH  
24 = 14 COL 0.39 PTH  
26 = 16 COL 0.39 PTH  
36 = 6 COL 0.39 PTH  
38 = 8 COL 0.39 PTH

|                                                                                                                                               |  |       |       |                                                                                                                                                                                        |  |                   |  |                                                                 |  |                              |  |                 |  |                 |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------|--|-----------------------------------------------------------------|--|------------------------------|--|-----------------|--|-----------------|--|
| 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: MIGRATED TO NX                                                                                                                                                       |  |                   |  | <div>molex</div>                                                |  |                              |  |                 |  |                 |  |
| mm                                                                                                                                            |  | NTS   |       |                                                                                                                                                                                        |  |                   |  |                                                                 |  |                              |  |                 |  |                 |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |       |       | EC NO: 622030<br>DRWN: SKRISHNAMU01 2019/07/30<br>CHK'D: PRAMASWAMY 2019/08/07<br>APPR: SHONG 2019/08/08<br>INITIAL REVISION:<br>DRWN: MCARRANZA 2007/07/20<br>APPR: JLAURX 2008/02/05 |  |                   |  | IMPACT 100 OHM DC<br>3 PAIR SIGNAL MODULE GUIDE RIGHT SALES DWG |  |                              |  |                 |  |                 |  |
| ANGULAR TOL                                                                                                                                   |  | ±     | 0.5 ° |                                                                                                                                                                                        |  |                   |  | PRODUCT CUSTOMER DRAWING                                        |  |                              |  |                 |  |                 |  |
| 4 PLACES                                                                                                                                      |  | ±     |       |                                                                                                                                                                                        |  |                   |  | DOCUMENT NUMBER<br>SD-76170-004                                 |  |                              |  |                 |  |                 |  |
| 3 PLACES                                                                                                                                      |  | ±     |       |                                                                                                                                                                                        |  |                   |  |                                                                 |  |                              |  | DOC TYPE<br>PSD |  | DOC PART<br>001 |  |
| 2 PLACES                                                                                                                                      |  | ±     | 0.13  |                                                                                                                                                                                        |  |                   |  |                                                                 |  |                              |  | REVISION<br>K1  |  |                 |  |
| 1 PLACE                                                                                                                                       |  | ±     | 0.25  |                                                                                                                                                                                        |  |                   |  | SHEET NUMBER<br>2 OF 2                                          |  |                              |  |                 |  |                 |  |
| 0 PLACES                                                                                                                                      |  | ±     |       |                                                                                                                                                                                        |  |                   |  |                                                                 |  |                              |  |                 |  |                 |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |       |       | THIRD ANGLE PROJECTION<br>                                                                                                                                                             |  | DRAWING<br>C-SIZE |  | SERIES<br>76170                                                 |  | MATERIAL NUMBER<br>SEE CHART |  |                 |  |                 |  |
|                                                                                                                                               |  |       |       |                                                                                                                                                                                        |  |                   |  | CUSTOMER<br>GENERAL MARKET                                      |  |                              |  |                 |  |                 |  |

|                 |    |              |            |          |
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| DOCUMENT STATUS | P1 | RELEASE DATE | 2019/08/08 | 22:00:46 |
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