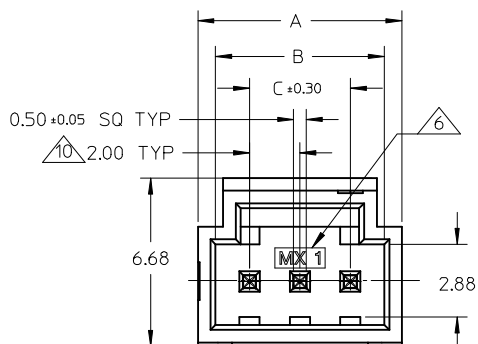
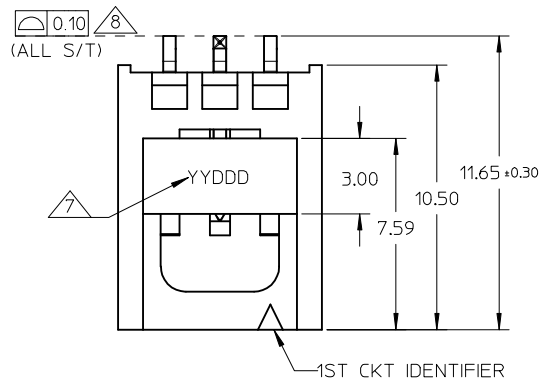
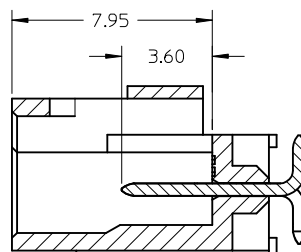
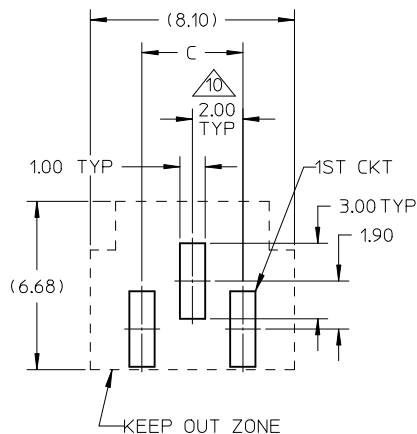
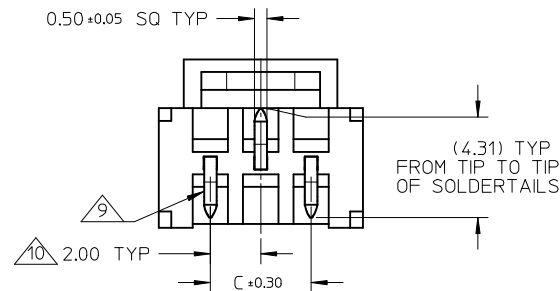




RECOMMENDED PCB LAYOUT  
GENERAL TOLERANCE: ±0.05  
(APPLICABLE FROM 4CKT AND ABOVE)



SECTION Z-Z



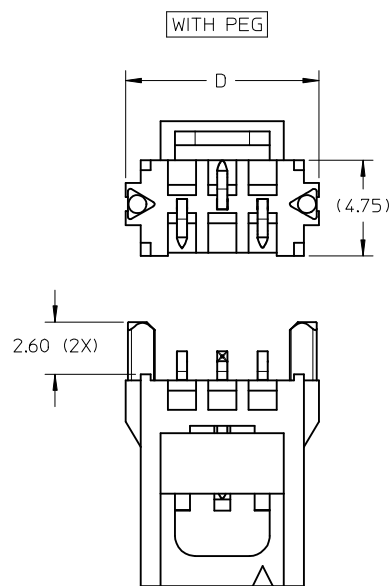
| CKT SIZE | DIMENSION |       |       |       |       |
|----------|-----------|-------|-------|-------|-------|
|          | A         | B     | C     | D     | E     |
| 2        | 6.10      | 4.70  | 2.00  | 7.60  | 6.40  |
| 3        | 8.10      | 6.70  | 4.00  | 9.60  | 8.40  |
| 4        | 10.10     | 8.70  | 6.00  | 11.60 | 10.40 |
| 5        | 12.10     | 10.70 | 8.00  | 13.60 | 12.40 |
| 6        | 14.10     | 12.70 | 10.00 | 15.60 | 14.40 |
| 7        | 16.10     | 14.70 | 12.00 | 17.60 | 16.40 |
| 8        | 18.10     | 16.70 | 14.00 | 19.60 | 18.40 |
| 9        | 20.10     | 18.70 | 16.00 | 21.60 | 20.40 |
| 10       | 22.10     | 20.70 | 18.00 | 23.60 | 22.40 |

NOTES:

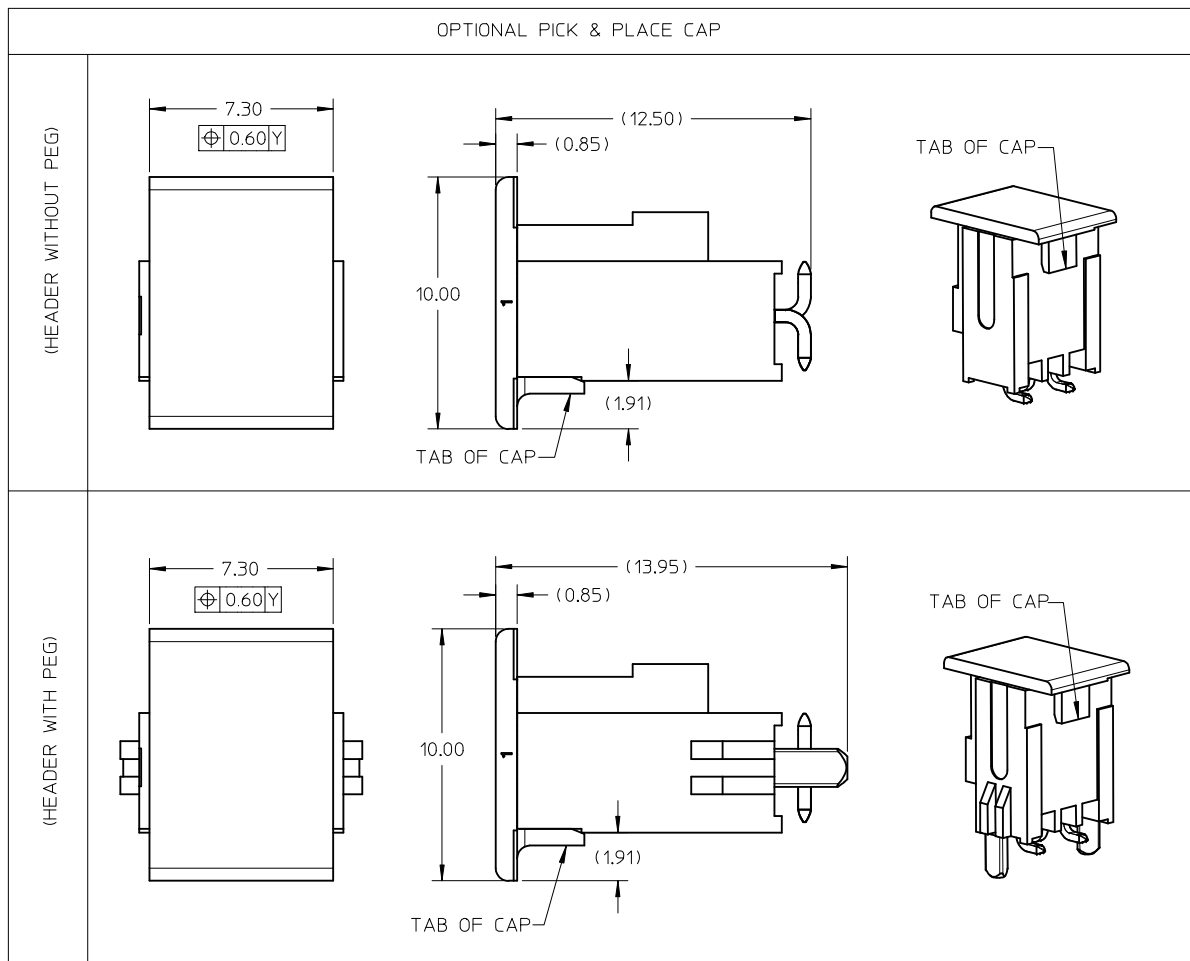
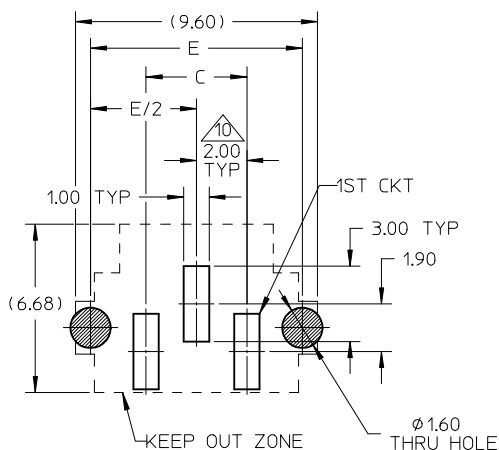
- MATERIAL:  
HOUSING: LIQUID CRYSTALLINE POLYMERS (LCP), GLASS FILLED, UL94V-0, BLACK.  
PIN: COPPER ALLOY, 0.50MM SQ  
PICK & PLACE CAP: POLYAMIDE (PA), GLASS FILLED, UL94V-0, BLACK.
- PLATING: SEE TABLE.
- PRODUCT SPECIFICATION: PS-151062-0001.
- PACKAGING SPECIFICATION: PK-151062-0001.
- TO BE MATED WITH MOLEX RECEPTACLES SERIES: 151100.
- MANUFACTURING ID & CAVITY ID SHALL BE LOCATED APPROXIMATELY AS SHOWN.
- DATE CODE: YYDDD IS LOCATED APPROXIMATELY AS SHOWN.
- COPLANARITY TO BE MEASURED BY RESTING THE SOLDER TAIL ON FLAT/GAUGE SURFACE.
- 1ST CKT PIN S/T ALWAYS BENT IN THIS DIRECTION.  
OTHER PINS TAILS BENDS ALTERNATE FROM 1ST CKT.
- PITCH TOLERANCE SHALL BE NON ACCUMULATED.

|                                                                               |                                        |                                                                                                                               |                                                                 |                                       |                                |                            |                   |                    |                                                                            |                           |  |  |  |
|-------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------|--------------------------------|----------------------------|-------------------|--------------------|----------------------------------------------------------------------------|---------------------------|--|--|--|
| RELEASE TO REV A<br>EC NO: S2016-0665<br>DRWN:FCS00<br>CHKD:CGH<br>APPR:KHLIM | 2016/01/27<br>2016/02/16<br>2016/02/16 | DESCRIPTION                                                                                                                   | QUALITY SYMBOLS<br><div>▽=0</div> <div>▽=0</div> <div>▽=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                | DIMENSION STYLE<br>MM ONLY |                   | SCALE<br>NTS       | DESIGN UNITS<br>METRIC                                                     | THIRD ANGLE<br>PROJECTION |  |  |  |
|                                                                               |                                        |                                                                                                                               |                                                                 |                                       | mm                             | INCH                       | DRAWN BY<br>FCS00 | DATE<br>2014/12/12 | TITLE<br>SALES DRAWING<br>PCB HEADER, VERTICAL SMT<br>SINGLE ROW MILLIGRID |                           |  |  |  |
|                                                                               |                                        |                                                                                                                               |                                                                 | 4 PLACES                              | ± ---                          | ± ---                      | CHECKED BY        | DATE<br>2014/12/12 |                                                                            |                           |  |  |  |
|                                                                               |                                        |                                                                                                                               |                                                                 | 3 PLACES                              | ± ---                          | ± ---                      | FCS00             | 2014/12/12         | molex                                                                      |                           |  |  |  |
|                                                                               |                                        |                                                                                                                               |                                                                 | 2 PLACES                              | ± 0.20                         | ± ---                      | APPROVED BY       | DATE<br>2015/07/02 |                                                                            |                           |  |  |  |
| 1 PLACE                                                                       | ± ---                                  | ± ---                                                                                                                         | KHLIM                                                           | 2015/07/02                            | DOCUMENT NO.<br>SD-151062-0001 |                            |                   |                    |                                                                            |                           |  |  |  |
| 0 PLACE                                                                       | ± ---                                  | ± ---                                                                                                                         | MATERIAL NO.                                                    |                                       |                                |                            |                   |                    |                                                                            | SHEET NO.<br>1 OF 3       |  |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                    |                                        | SEE TABLE                                                                                                                     |                                                                 |                                       |                                |                            |                   |                    |                                                                            |                           |  |  |  |
| A                                                                             | REV                                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                 |                                       |                                |                            |                   |                    |                                                                            |                           |  |  |  |

10 9 8 7 6 5 4 3 2 1



RECOMMENDED PCB LAYOUT  
GENERAL TOLERANCE:  $\pm 0.05$



|                                                                                                                                                                                              |  |                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                 |                                           |                                                                                                                                                                                                                                                                                                                             |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| <div>RELEASE TO REV A</div> <div>EC NO: S2016-0665</div> <div>DRWN:FCS00</div> <div>CHK'D:CGOH</div> <div>APPR:KHLIM</div> <div>2016/01/27</div> <div>2016/02/16</div> <div>2016/02/16</div> |  | <div>QUALITY SYMBOLS</div> <div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div></div> |  | <div>GENERAL TOLERANCES (UNLESS SPECIFIED)</div> <div><div><div><div>mm</div><div>INCH</div></div></div><div><div><div><div>4 PLACES</div><div>± ---</div><div>± ---</div></div><div><div><div>3 PLACES</div><div>± ---</div><div>± ---</div></div><div><div><div>2 PLACES</div><div>± 0.20</div><div>± ---</div></div><div><div><div>1 PLACE</div><div>± ---</div><div>± ---</div></div><div><div><div>0 PLACE</div><div>± ---</div><div>± ---</div></div></div><div><div><div>ANGULAR ± 3 °</div></div></div><div><div><div>DRAFT WHERE APPLICABLE</div><div>MUST REMAIN WITHIN DIMENSIONS</div></div></div></div></div></div></div></div></div> |  | <div>DIMENSION STYLE</div> <div>MM ONLY</div> <div><div><div>DRAWN BY</div><div>DATE</div></div><div><div>FCS00</div><div>2014/12/12</div></div><div><div>CHECKED BY</div><div>DATE</div></div><div><div>FCS00</div><div>2014/12/12</div></div><div><div>APPROVED BY</div><div>DATE</div></div><div><div>KHLIM</div><div>2015/07/02</div></div><div><div>MATERIAL NO.</div><div>SEE TABLE</div></div></div> |  | <div>SCALE</div> <div>NTS</div> | <div>DESIGN UNITS</div> <div>METRIC</div> | <div><div><div><div></div><div></div></div></div><div>THIRD ANGLE PROJECTION</div></div> <div><div>SALES DRAWING</div><div>PCB HEADER, VERTICAL SMT</div><div>SINGLE ROW MILLIGRID</div><div>molex</div></div> <div><div>DOCUMENT NO.</div><div>SD-151062-0001</div></div> <div><div>SHEET NO.</div><div>2 OF 3</div></div> |  |  |  |
|                                                                                                                                                                                              |  |                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                 |                                           |                                                                                                                                                                                                                                                                                                                             |  |  |  |
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9 8 7 6 5 4 3 2 1

## ASSEMBLY

151062 - X X X X

|         |                   |
|---------|-------------------|
| 04 - 10 | 4-10 CKT W/O PEG  |
| 52 - 60 | 2-10 CKT WITH PEG |
|         | 52 = 2CKT         |
|         | 53 = 3CKT         |
|         | .                 |
|         | 59 = 9CKT         |
|         | 60 = 10CKT        |

| PLATING |               | CAP<br>VERSION |
|---------|---------------|----------------|
| 0       | FULL TIN      | WITHOUT<br>CAP |
| 1       | Au FLASH      |                |
| 2       | 0.38 Au       |                |
| 3       | 0.75 Au       |                |
| 4       | FULL TIN      | WITH<br>CAP    |
| 5       | Au FLASH      |                |
| 6       | 0.38 Au       |                |
| 7       | 0.75 Au       |                |
| 8       | OTHER OPTIONS |                |
| 9       |               |                |

| PACKAGING |                   |
|-----------|-------------------|
| 0         | TAPE<br>&<br>REEL |
| 1         | TUBE              |
|           | OTHER<br>OPTIONS  |

## PLATING OPTIONS

|                     |                                                                                                                    |
|---------------------|--------------------------------------------------------------------------------------------------------------------|
| -*0**<br>&<br>-*4** | 2.50µm MIN. TIN ON CONTACT AND<br>2.00µm MIN. TIN (MATTE) ON SOLDERTAIL OVER<br>1.25µm MIN. NICKEL OVERALL.        |
| -*1**<br>&<br>-*5** | 0.05µm MIN. GOLD PLATE ON CONTACT AND<br>2.00µm MIN. TIN (MATTE) ON SOLDERTAIL OVER<br>1.25µm MIN. NICKEL OVERALL. |
| -*2**<br>&<br>-*6** | 0.38µm MIN. GOLD PLATE ON CONTACT AND<br>2.00µm MIN. TIN (MATTE) ON SOLDERTAIL OVER<br>1.25µm MIN. NICKEL OVERALL. |
| -*3**<br>&<br>-*7** | 0.75µm MIN. GOLD PLATE ON CONTACT AND<br>2.00µm MIN. TIN (MATTE) ON SOLDERTAIL OVER<br>1.25µm MIN. NICKEL OVERALL. |

## PACKAGING OPTION AND CAP

|                |                                                     |
|----------------|-----------------------------------------------------|
| TAPE & REEL    | 151000-4***                                         |
| PACKAGING TUBE | 151000-3015 (WITHOUT CAP)<br>151000-3018 (WITH CAP) |
| CAP            | 151088-0001                                         |

|                                                                                                                |                                                                 |                                  |                                                        |                        |                                                                                                                                  |                            |                    |                                                                                                |                        |                                                             |                |  |
|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------|--------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------|------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------|----------------|--|
| RELEASE TO REV A<br>EC NO: S2016-0665<br>DRWN:FCS00 2016/01/27<br>CHKD:GQH 2016/02/16<br>APPR:KHLIM 2016/02/16 | QUALITY SYMBOLS<br><div>▽=0</div> <div>▽=0</div> <div>▽=0</div> | DESCRIPTION                      | GENERAL TOLERANCES (UNLESS SPECIFIED)                  |                        |                                                                                                                                  | DIMENSION STYLE<br>MM ONLY |                    | SCALE<br>NTS                                                                                   | DESIGN UNITS<br>METRIC | <div><div></div><div></div></div> THIRD ANGLE<br>PROJECTION |                |  |
|                                                                                                                |                                                                 |                                  | 4 PLACES<br>3 PLACES<br>2 PLACES<br>1 PLACE<br>0 PLACE | mm                     | INCH                                                                                                                             | DRAWN BY<br>FCS00          | DATE<br>2014/12/12 | TITLE<br>SALES DRAWING<br>PCB HEADER, VERTICAL SMT<br>SINGLE ROW MILLIGRID<br><div>molex</div> |                        |                                                             |                |  |
|                                                                                                                |                                                                 |                                  |                                                        | ± ---                  | ± ---                                                                                                                            | CHECKED BY<br>FCS00        | DATE<br>2014/12/12 |                                                                                                |                        |                                                             |                |  |
|                                                                                                                |                                                                 |                                  |                                                        | ± ---                  | ± ---                                                                                                                            | APPROVED BY<br>KHLIM       | DATE<br>2015/07/02 |                                                                                                |                        |                                                             |                |  |
|                                                                                                                |                                                                 |                                  |                                                        | ANGULAR ± 3 °          |                                                                                                                                  | MATERIAL NO.               | DOCUMENT NO.       |                                                                                                |                        |                                                             | SHEET NO.      |  |
|                                                                                                                |                                                                 |                                  |                                                        | DRAFT WHERE APPLICABLE |                                                                                                                                  | SEE TABLE                  |                    |                                                                                                |                        |                                                             | SD-151062-0001 |  |
| A                                                                                                              | REV                                                             | MUST REMAIN<br>WITHIN DIMENSIONS |                                                        |                        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                            |                    |                                                                                                |                        |                                                             |                |  |
|                                                                                                                |                                                                 |                                  |                                                        |                        | SIZE<br>A3                                                                                                                       |                            |                    |                                                                                                |                        |                                                             |                |  |

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Molex:

[151062-1060](#)