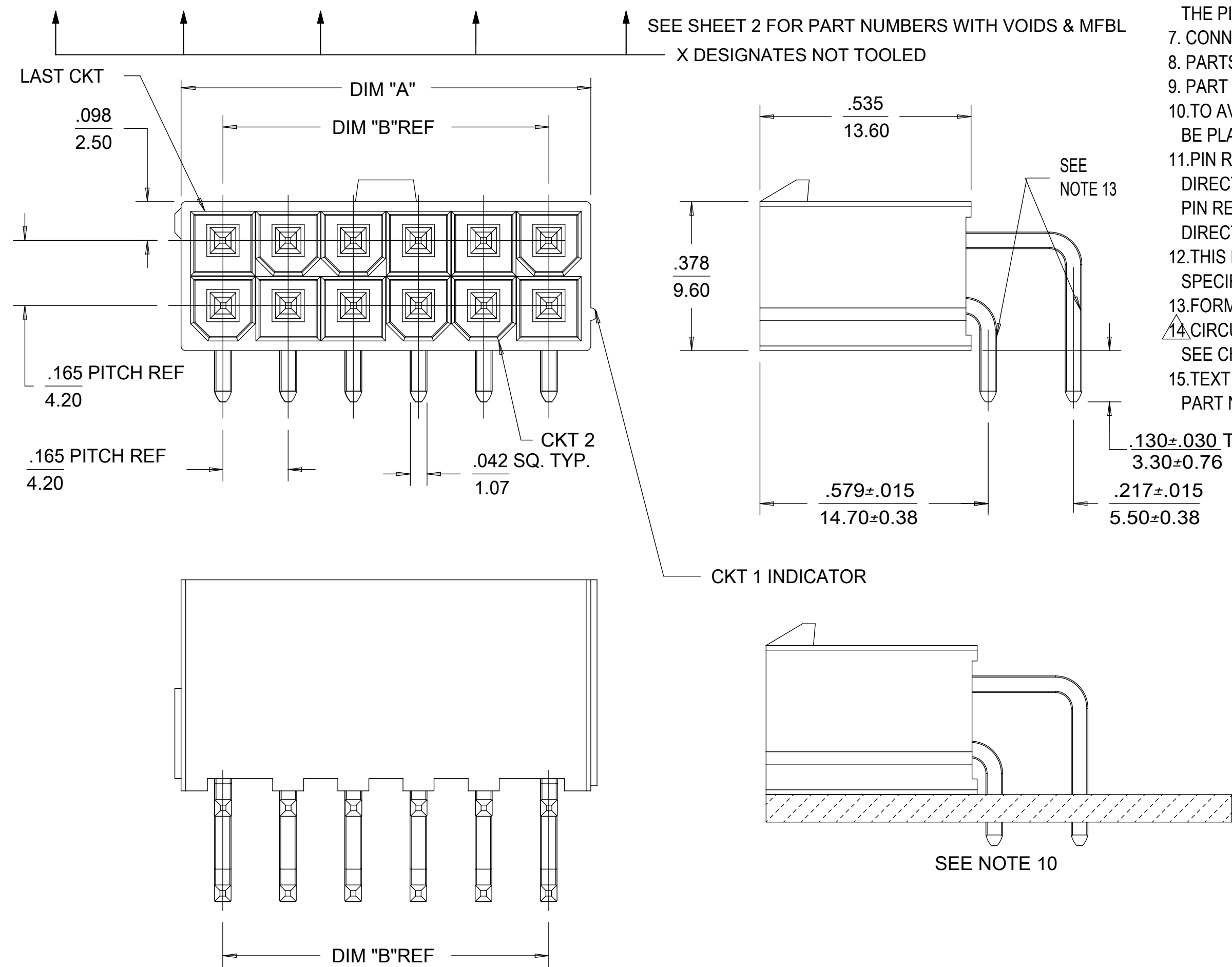
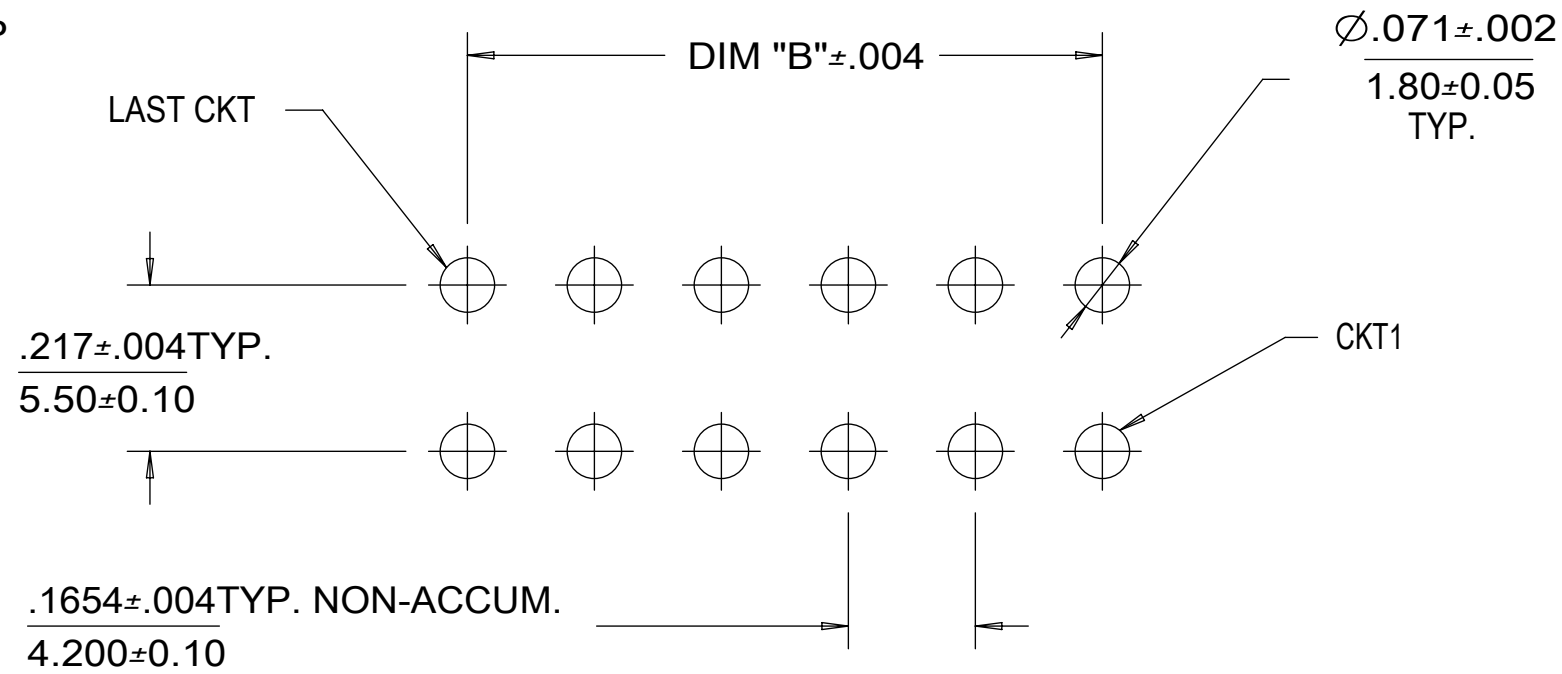


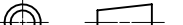
| 12          |                                 |            | 11                                |            |                                 | 10         |                                   |            | 9                               |            | 8       |           | 7       |             |
|-------------|---------------------------------|------------|-----------------------------------|------------|---------------------------------|------------|-----------------------------------|------------|---------------------------------|------------|---------|-----------|---------|-------------|
|             | COLOR = BLACK                   |            |                                   |            |                                 |            |                                   |            | COLOR = NATURAL                 |            |         |           |         |             |
|             | TIN PLATING                     |            |                                   |            | GOLD PLATING                    |            |                                   |            | TIN PLATING                     |            |         |           |         |             |
| CKT<br>SIZE | TRAY PACK<br>MATERIAL<br>NUMBER |            | TAPE & REEL<br>MATERIAL<br>NUMBER |            | TRAY PACK<br>MATERIAL<br>NUMBER |            | TAPE & REEL<br>MATERIAL<br>NUMBER |            | TRAY PACK<br>MATERIAL<br>NUMBER |            | DIM "A" |           | DIM "B" |             |
|             |                                 |            |                                   |            |                                 |            |                                   |            |                                 |            |         |           |         |             |
| 4           |                                 | 46991-1004 |                                   | 46991-4004 | X                               | 46991-2004 |                                   | 46991-3004 |                                 |            |         | .38/9.6   |         | .165/4.20   |
| 6           |                                 | 46991-1006 |                                   | 46991-4006 | X                               | 46991-2006 | X                                 | 46991-3006 |                                 |            |         | .54/13.8  |         | .331/8.40   |
| 8           |                                 | 46991-1008 |                                   | 46991-4008 |                                 | 46991-2008 |                                   | 46991-3008 |                                 |            |         | .71/18.0  |         | .496/12.60  |
| 10          |                                 | 46991-1010 |                                   | 46991-4010 | X                               | 46991-2010 | X                                 | 46991-3010 | X                               | 46991-1110 |         | .87/22.2  |         | .661/16.80  |
| 12          |                                 | 46991-1012 | X                                 | 46991-4012 |                                 | 46991-2012 | X                                 | 46991-3012 |                                 |            |         | 1.04/26.4 |         | .827/21.00  |
| 14          | X                               | 46991-1014 | X                                 | 46991-4014 | X                               | 46991-2014 | X                                 | 46991-3014 |                                 |            |         | 1.21/30.6 |         | .992/25.20  |
| 16          | X                               | 46991-1016 | X                                 | 46991-4016 | X                               | 46991-2016 | X                                 | 46991-3016 |                                 |            |         | 1.37/34.8 |         | 1.160/29.40 |
| 18          | X                               | 46991-1018 | X                                 | 46991-4018 | X                               | 46991-2018 | X                                 | 46991-3018 |                                 |            |         | 1.54/39.0 |         | 1.323/33.60 |
| 20          | X                               | 46991-1020 | X                                 | 46991-4020 | X                               | 46991-2020 | X                                 | 46991-3020 |                                 |            |         | 1.70/43.2 |         | 1.488/37.80 |
| 22          | X                               | 46991-1022 | X                                 | 46991-4022 | X                               | 46991-2022 | X                                 | 46991-3022 |                                 |            |         | 1.87/47.4 |         | 1.654/42.00 |
| 24          |                                 | 46991-1024 |                                   | 46991-4024 | X                               | 46991-2024 | X                                 | 46991-3024 |                                 |            |         | 2.03/51.6 |         | 1.819/46.20 |



- NOTES:
- MATERIAL:  
HOUSING - LIQUID CRYSTAL POLYMER (LCP), COLOR: SEE CHART.  
TERMINAL - BRASS
  - TERMINAL PLATING: TIN = .000100/0.00254 MATTE TIN OVER  
.000050/0.00127 NICKEL OVERALL  
GOLD= .000030/0.00076 MIN. SELECT GOLD OVER  
.000100/0.00254 MIN. SELECT MATTE TIN OVER  
.000050/0.00127 MIN NICKEL OVERALL
  - PRODUCT SPECIFICATION: PS-5556-001 OR PS-45750-001.
  - PACKAGING SPECIFICATION: TRAY PACKED PER PK-5569-003 OR  
TAPE AND REEL PACKAGED PER PK-46991-001.
  - PART MATES WITH MINIFIT JR RECEPTACLE SERIES 5557
  - DISCOLORIZATION IN THE BANDOLIER CARRIER AREA OF THE PIN IS  
INHERENT TO THE PLATING PROCESS AND IS DUE TO THE MASKING EFFECT  
OF THE CARRIER. THIS DISCOLORIZATION IS A NON-FUNCTIONAL AREA OF  
THE PIN AND WILL NOT AFFECT THE PERFORMANCE OF THE HEADER ASSEMBLY.
  - CONNECTORS ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.
  - PARTS ARE NOT DESIGNED FOR CURRENT SHARING.
  - PART IS INTENDED FOR PIN IN PASTE REFLOW SOLDER ONLY.
  - TO AVOID INTERFERENCE BETWEEN THE RECEPTACLE AND PCB. HEADER MUST  
BE PLACED AT THE EDGE OF PCB AS SHOWN.
  - PIN RETENTION IN HOUSING IS 2.2 LBS/1 KG MIN. BOTH  
DIRECTIONS FOR TIN PLATING.  
PIN RETENTION IN HOUSING IS 1.0 LBS/0.45 KG MIN. BOTH  
DIRECTIONS FOR GOLD PLATING.
  - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC  
SPECIFICATION PS-45499-002.
  - FORMING MARKS ON PINS ARE ACCEPTABLE.
  - CIRCUITS SHOWN PROVIDE THE MATE-FIRST/BREAK-LAST FEATURE.  
SEE CHART ON SHEET 2 FOR SPECIFIC CIRCUIT LOCATIONS.
  - TEXT ON PART IS FOR REFERENCE ONLY. TEXT AND TEXT LOCATION MAY VARY DEPENDING ON  
PART NUMBER AND/OR TOOL.



RECOMMENDED PCB HOLE LAYOUT FOR .070/1.78 MAX THICK P.C. BOARD  
VIEWED FROM COMPONENT SIDE

|                                                                                                                                               |    |              |                     |                                                                                                                 |  |                   |                 |                                                              |  |                            |          |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----|--------------|---------------------|-----------------------------------------------------------------------------------------------------------------|--|-------------------|-----------------|--------------------------------------------------------------|--|----------------------------|----------|------------------------|
| 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:                                                                                               |  |                   |                 | <div>molex</div>                                             |  |                            |          |                        |
| IN/MM                                                                                                                                         |    | NTS          |                     |                                                                                                                 |  |                   |                 |                                                              |  |                            |          |                        |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |    |              |                     |                                                                                                                 |  |                   |                 |                                                              |  |                            |          |                        |
|                                                                                                                                               | MM | INCH         |                     |                                                                                                                 |  |                   |                 |                                                              |  |                            |          |                        |
| 4 PLACES                                                                                                                                      | ±  |              | ±                   | EC NO: 817674<br>DRWN: JERRYW8 2023/04/10<br>CHK'D: XQZHANG 2025/04/02<br>APPR: XQZHANG 2025/04/02              |  |                   |                 | MINIFIT RTC RIGHT ANGLE<br>HEADER ASSEMBLY W/O MOUNTING PEGS |  |                            |          |                        |
| 3 PLACES                                                                                                                                      | ±  |              | ± 0.015             |                                                                                                                 |  |                   |                 |                                                              |  |                            |          |                        |
| 2 PLACES                                                                                                                                      | ±  | 0.25         | ± 0.01              |                                                                                                                 |  |                   |                 |                                                              |  |                            |          |                        |
| 1 PLACE                                                                                                                                       | ±  | 0.38         | ±                   |                                                                                                                 |  |                   |                 |                                                              |  |                            |          |                        |
| 0 PLACES                                                                                                                                      | ±  |              | ±                   | INITIAL REVISION:<br>DRWN: JKLOSTERMEIE 2008/12/19<br>APPR: FSMITH 2008/12/15                                   |  |                   |                 | DOCUMENT NUMBER                                              |  | DOC TYPE                   | DOC PART | REVISION               |
| ANGULAR TOL ± 0.5 °                                                                                                                           |    |              |                     |                                                                                                                 |  |                   |                 | SD-46991-001                                                 |  | PSD                        | 000      | C12                    |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |    |              |                     | THIRD ANGLE PROJECTION<br> |  | DRAWING<br>C-SIZE | SERIES<br>46991 | MATERIAL NUMBER<br>SEE CHART                                 |  | CUSTOMER<br>GENERAL MARKET |          | SHEET NUMBER<br>1 OF 2 |
| DOCUMENT STATUS                                                                                                                               | P1 | RELEASE DATE | 2025/04/02 09:50:42 |                                                                                                                 |  |                   |                 |                                                              |  |                            |          |                        |

[illegible]