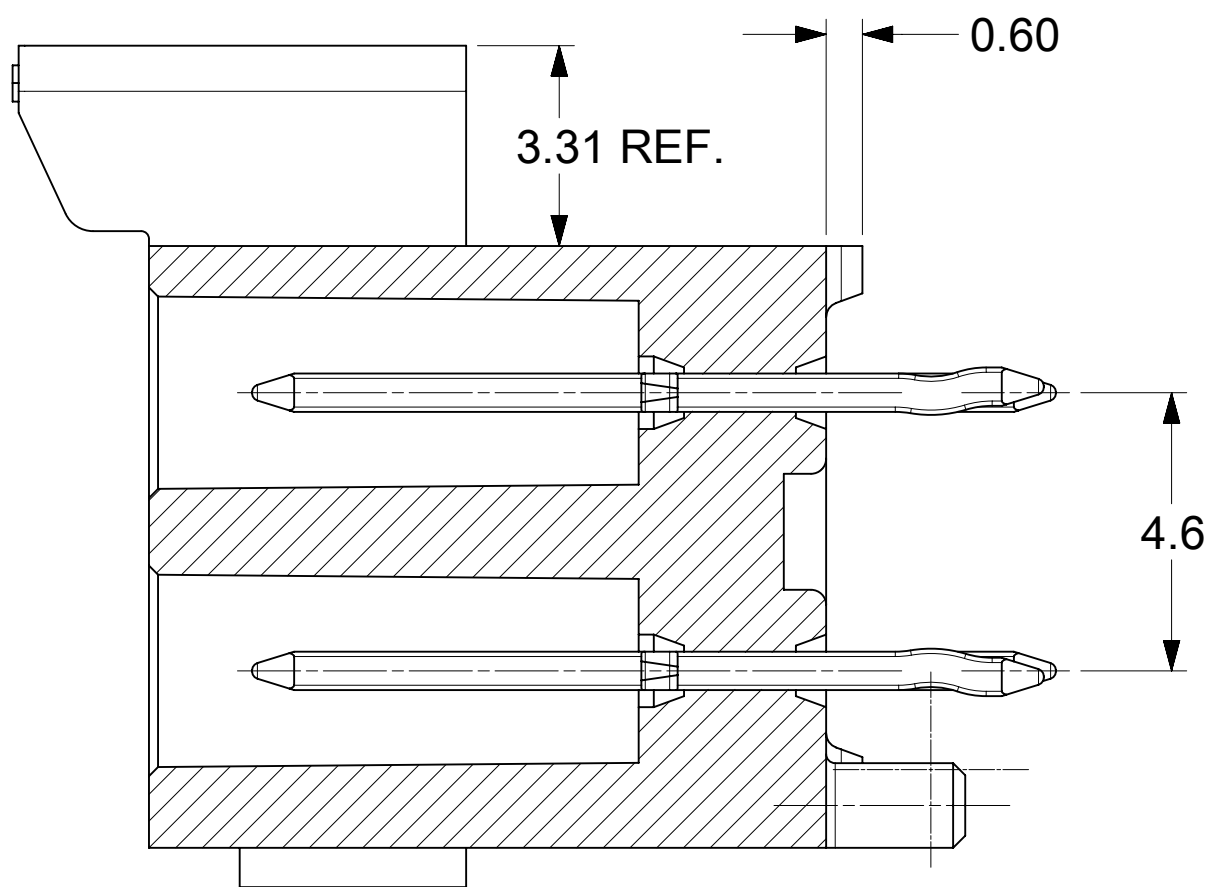
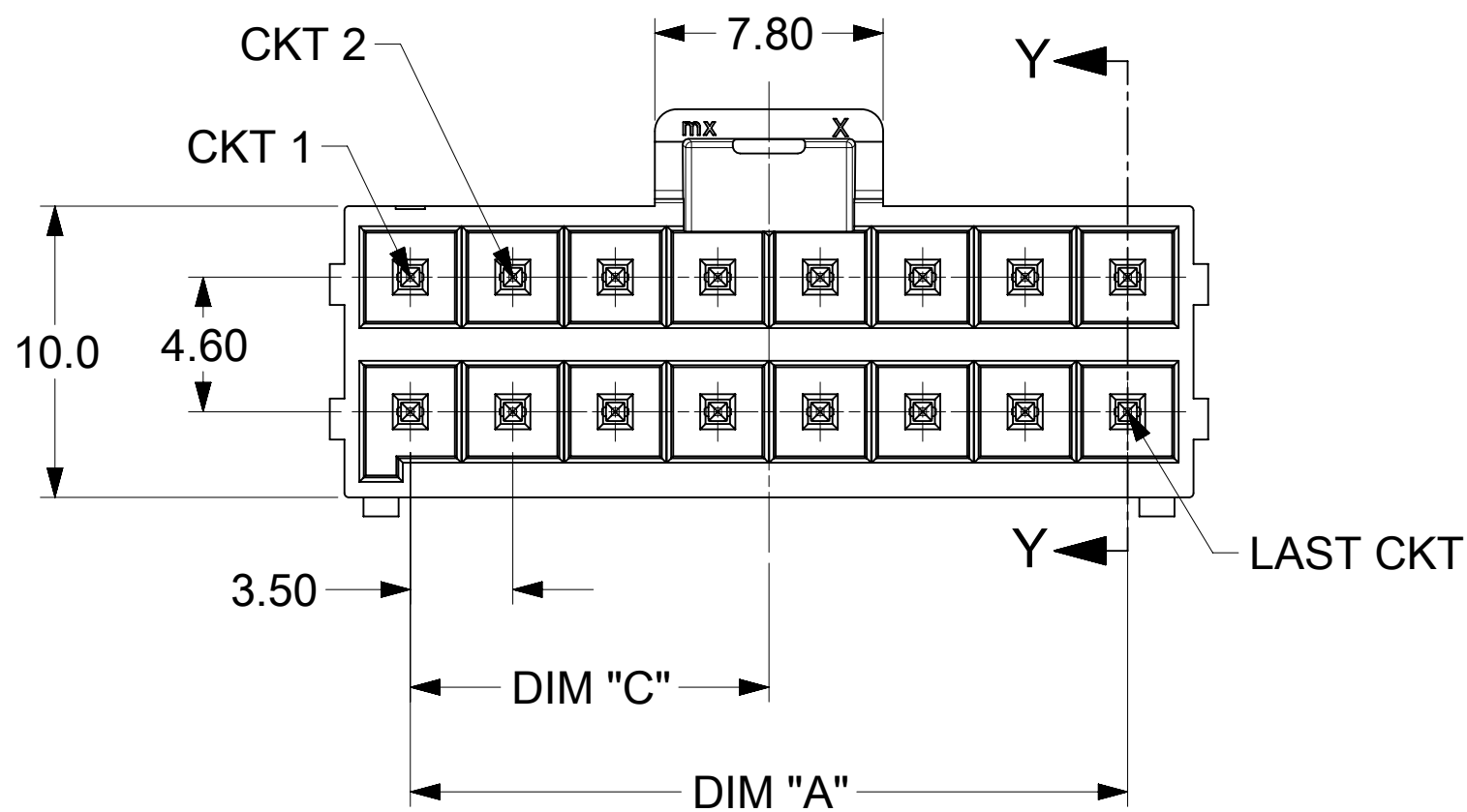
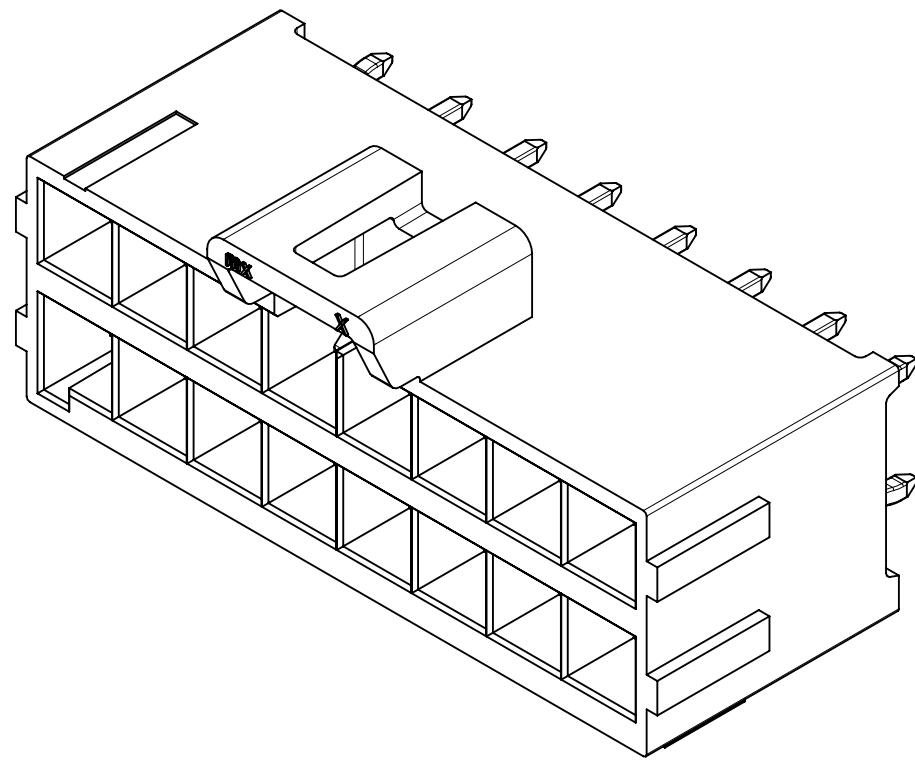
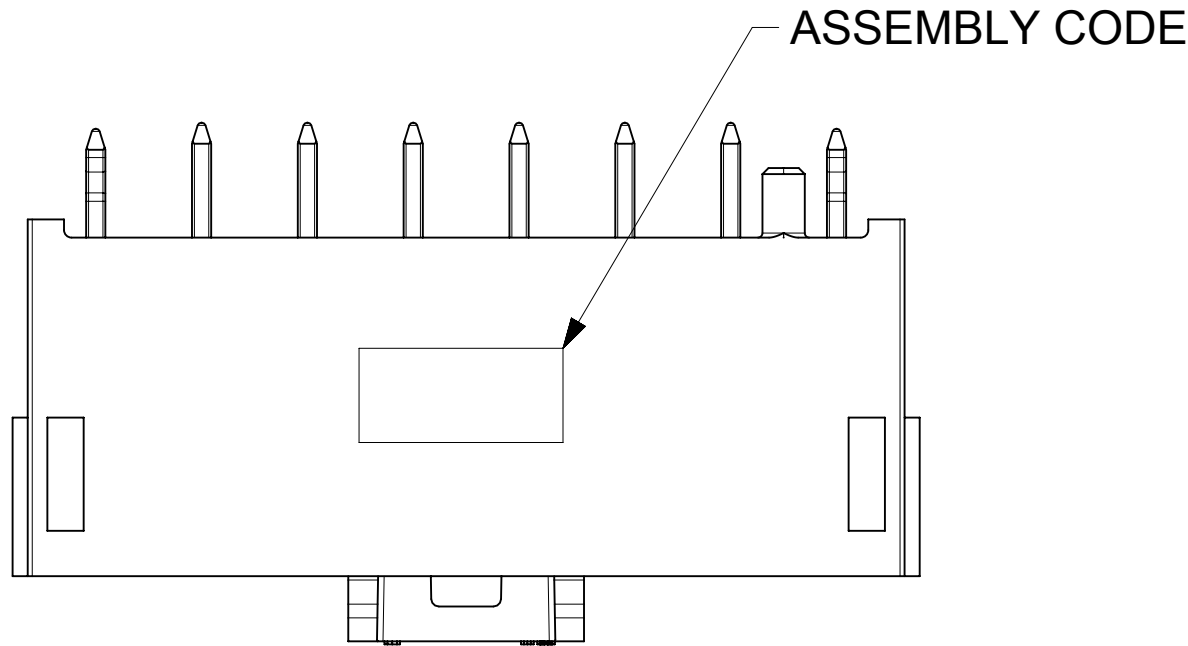
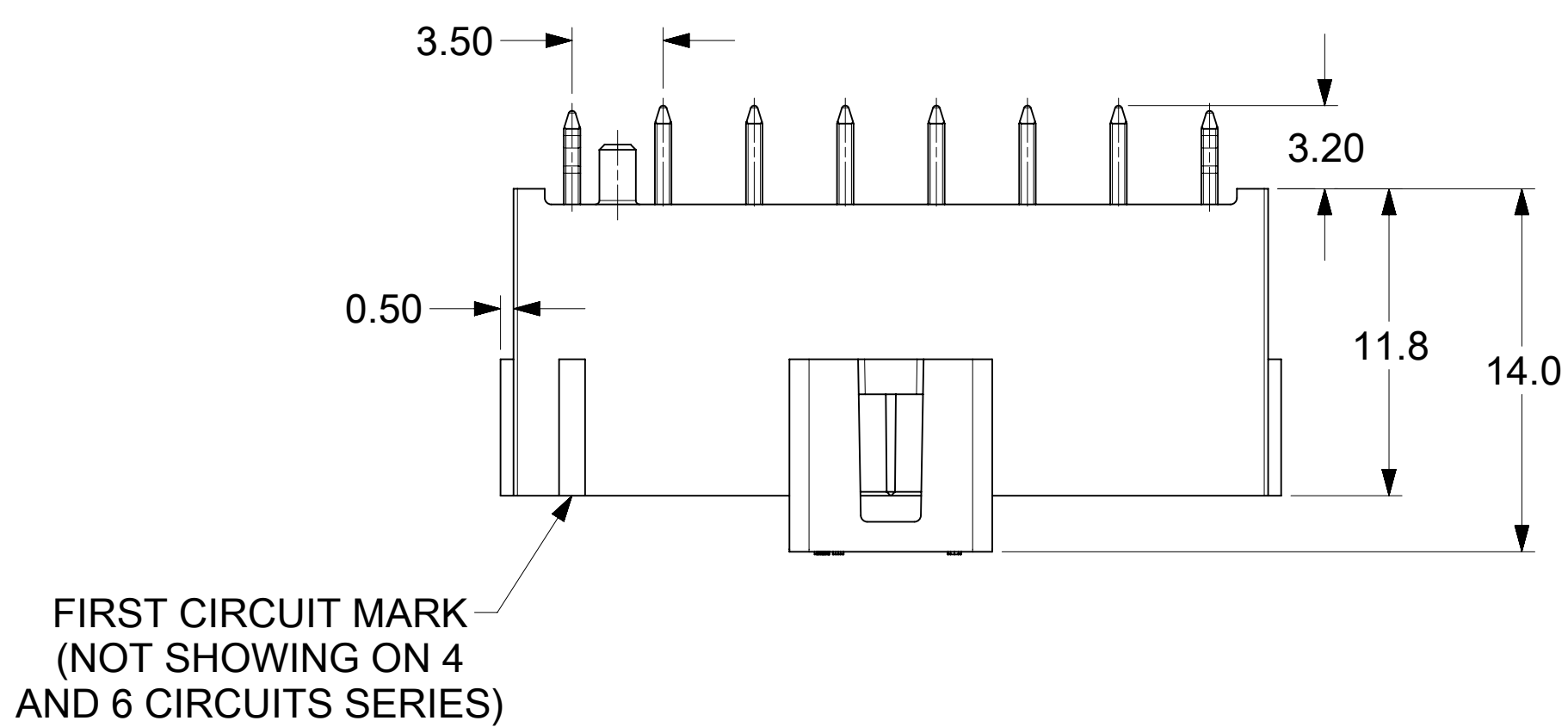
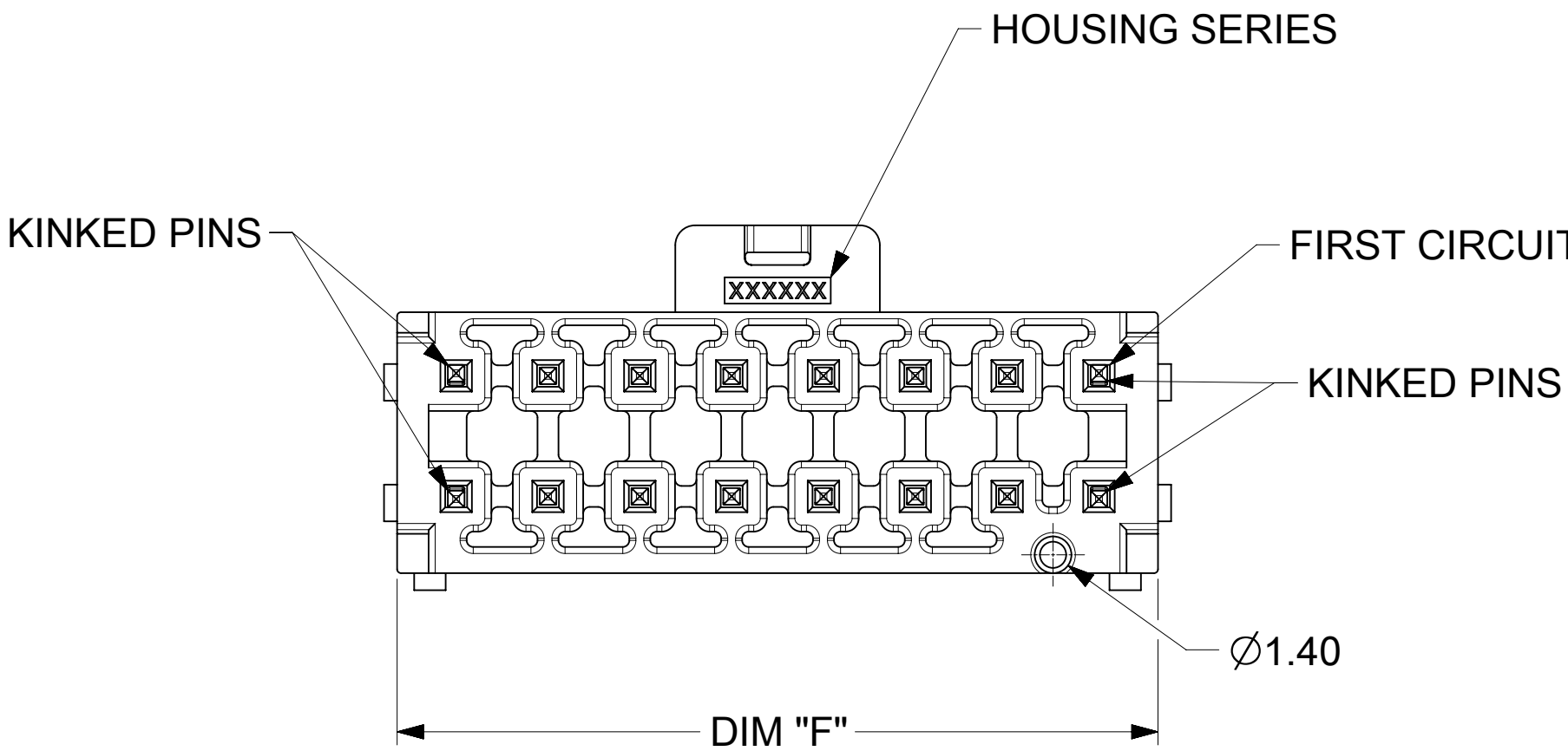


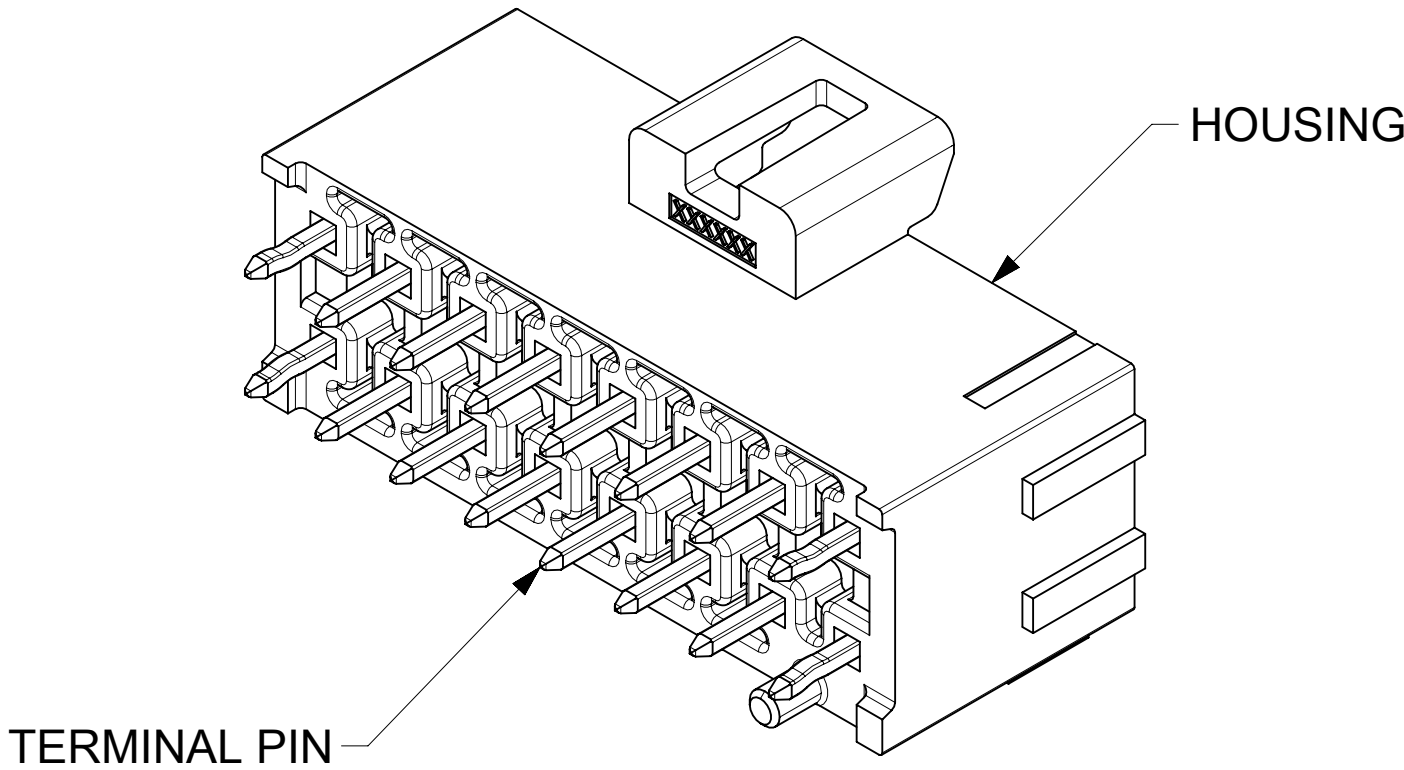
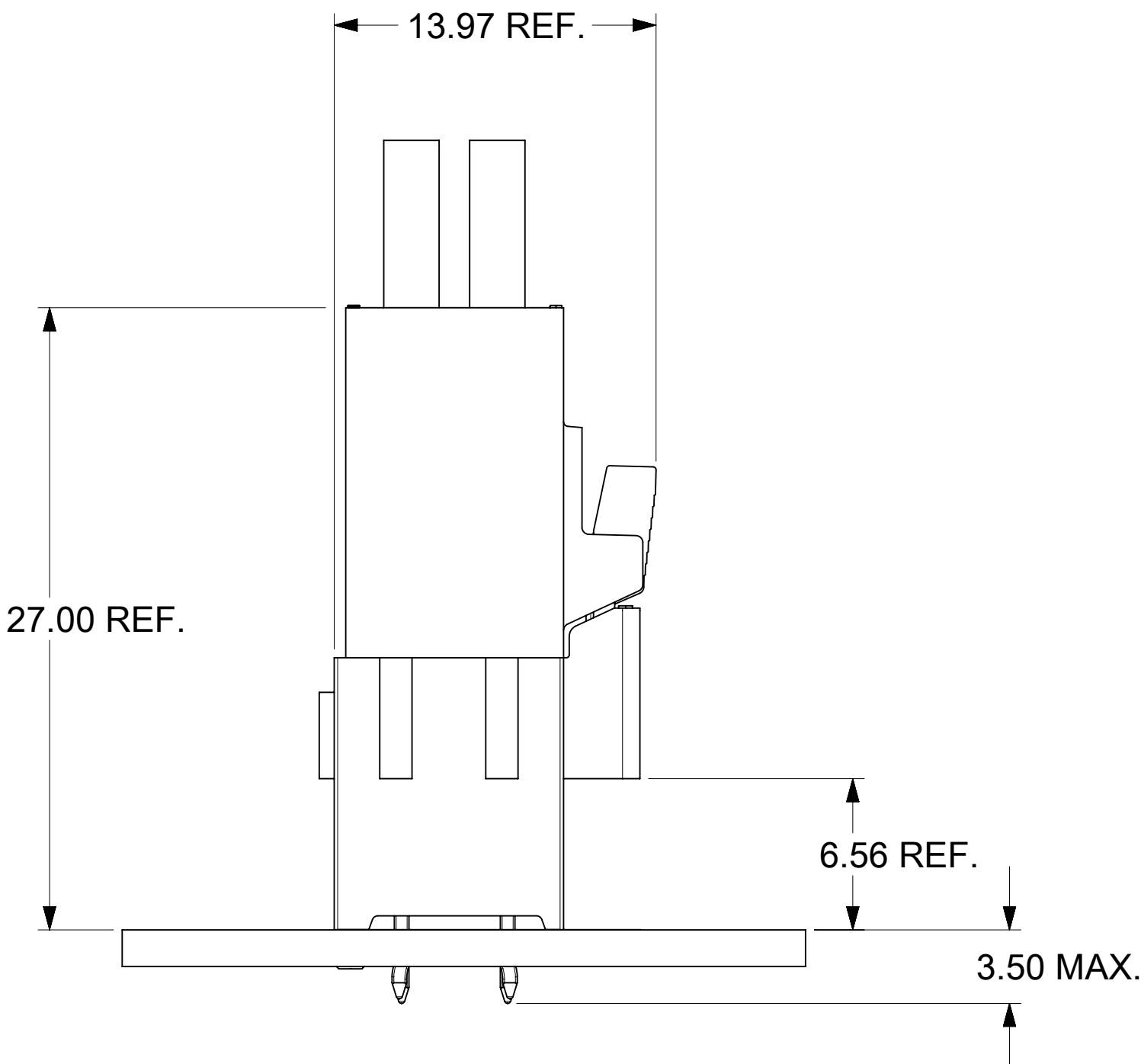


SECTION Y-Y  
SCALE 8:1

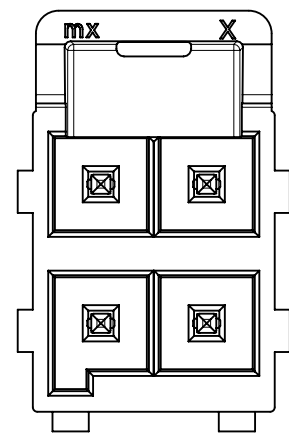


NOTES:

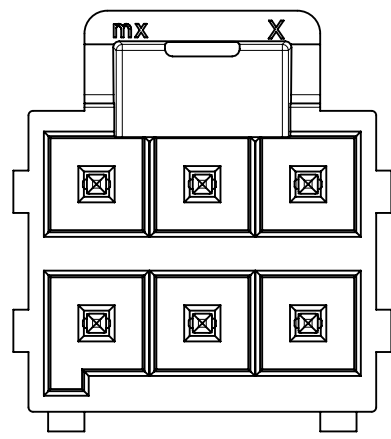
- MATERIAL :  
HOUSING  
OPTION 1: LCP BLACK, UL94 V-0  
OPTION 2: LCP NATURAL, UL94 V-0  
TERMINAL: COPPER ALLOY
- PLATING FINISH:  
OPTION 1 - 1.52µm(60µin)-2.54µm(100µin) TIN OVER,  
1.27µm(50µin)-2.54µm(100µin) NICKEL OVERALL,  
OPTION 2 - 0.38µm(15µin) GOLD CONTACT AREA.  
1.52µm(60µin)-2.54µm(100µin) TIN TAIL AREA OVER,  
1.27µm(50µin)-2.54µm(100µin) NICKEL OVERALL.  
OPTION 3 - 0.76µm(30µin) GOLD CONTACT AREA,  
1.52µm(60µin)-2.54µm(100µin) TIN TAIL AREA OVER,  
1.27µm(50µin)-2.54µm(100µin) NICKEL OVERALL.
- PACKAGE SPECIFICATION REFER TO CHART IN SHEET 3.
- PRODUCT SPECIFICATION PS-172323-0001.
- PART MATES WITH MOLEX RECEPTACLE HOUSING 172258 AND 172262.
- PART CONFORMS TO CLASS "C" REQUIREMENTS OF SPECIFICATION PS-45499-002 WITH 0.13 MM MAXIMUM FLASH ALLOWED IN CORE HOLES AND FRONT SURFACE.
- DISCOLORATION IN THE BANDOLIER AREA OF THE PIN IS INHERENT TO THE PLATING PROCESS AND IS DUE TO THE MASKING EFFECT OF THE CARRIER. THIS DISCOLORATION IS IN A NON-FUNCTIONAL AREA OF THE PIN AND WILL NOT AFFECT THE PERFORMANCE OF THE HEADER ASSEMBLY.
- APPLICATION SPECIFICATION: AS-172323-0001



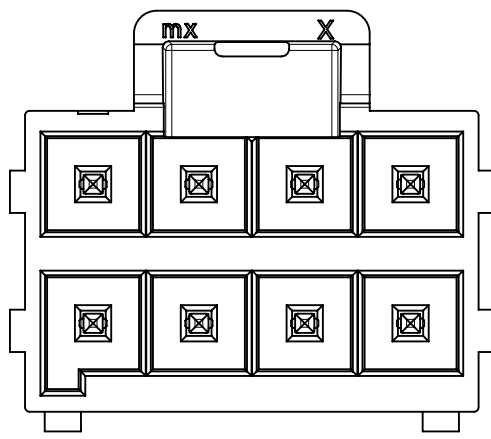
| FUNCTIONAL SYMBOLS                                                                                                                                                                                                                                              | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |        |                                   |                           |         |  |                                                                                             |  |                 |  |                |  |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|-----------------------------------|---------------------------|---------|--|---------------------------------------------------------------------------------------------|--|-----------------|--|----------------|--|--------------|--|
| <div><div><div><div><div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div></div> <div><div><div></div></div></div> <div><div><div></div></div></div> | DIMENSION UNITS                                                                                                                               |  | SCALE  |                                   | CURRENT REV DESC:         |         |  | <div>molex</div> <div>ULTRA-FIT VERT HEADER</div> <div>4-16 CKTS DUAL ROW KINKED PINS</div> |  |                 |  |                |  |              |  |
|                                                                                                                                                                                                                                                                 | mm                                                                                                                                            |  | 4:1    |                                   |                           |         |  |                                                                                             |  |                 |  |                |  |              |  |
|                                                                                                                                                                                                                                                                 | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |        |                                   |                           |         |  |                                                                                             |  |                 |  |                |  |              |  |
|                                                                                                                                                                                                                                                                 | ANGULAR TOL ± °                                                                                                                               |  |        |                                   |                           |         |  |                                                                                             |  |                 |  |                |  |              |  |
|                                                                                                                                                                                                                                                                 | 4 PLACES                                                                                                                                      |  | ±      |                                   | EC NO: 693485             |         |  | PRODUCT CUSTOMER DRAWING                                                                    |  |                 |  |                |  |              |  |
|                                                                                                                                                                                                                                                                 | 3 PLACES                                                                                                                                      |  | ±      |                                   | DRWN: GLLI 2022/01/21     |         |  |                                                                                             |  |                 |  |                |  |              |  |
|                                                                                                                                                                                                                                                                 | 2 PLACES                                                                                                                                      |  | ± 0.25 |                                   | CHK'D: XQZHANG 2022/01/26 |         |  |                                                                                             |  |                 |  |                |  |              |  |
| DIVISIONAL SYMBOLS                                                                                                                                                                                                                                              | 1 PLACE                                                                                                                                       |  | ± 0.5  |                                   | APPR: XQZHANG 2022/01/26  |         |  | DOCUMENT NUMBER<br>SD-172298-1000<br>DOC TYPE<br>PSD<br>DOC PART<br>000<br>REVISION<br>D1   |  |                 |  |                |  |              |  |
|                                                                                                                                                                                                                                                                 | 0 PLACES                                                                                                                                      |  | ±      |                                   | INITIAL REVISION:         |         |  |                                                                                             |  |                 |  |                |  |              |  |
|                                                                                                                                                                                                                                                                 |                                                                                                                                               |  |        |                                   | DRWN: DROSCA 2014/03/04   |         |  |                                                                                             |  |                 |  |                |  |              |  |
|                                                                                                                                                                                                                                                                 |                                                                                                                                               |  |        |                                   | APPR: JCOMERCI 2014/04/24 |         |  |                                                                                             |  |                 |  |                |  |              |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                                                                                                                                      |                                                                                                                                               |  |        | THIRD ANGLE PROJECTION            |                           | DRAWING |  | SERIES                                                                                      |  | MATERIAL NUMBER |  | CUSTOMER       |  | SHEET NUMBER |  |
|                                                                                                                                                                                                                                                                 |                                                                                                                                               |  |        | <div><div></div><div></div></div> |                           | D-SIZE  |  | 172298                                                                                      |  |                 |  | GENERAL MARKET |  | 1 OF 3       |  |



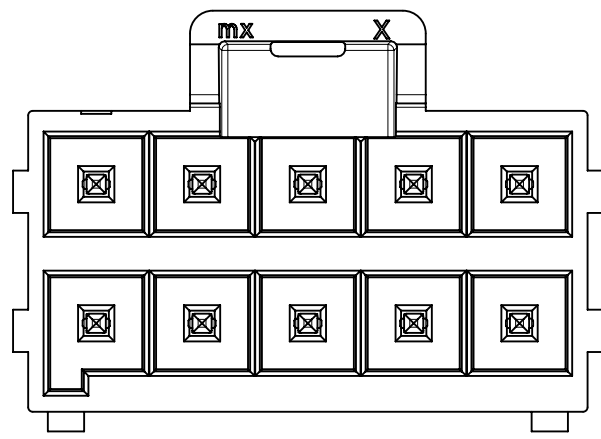
4 CKT



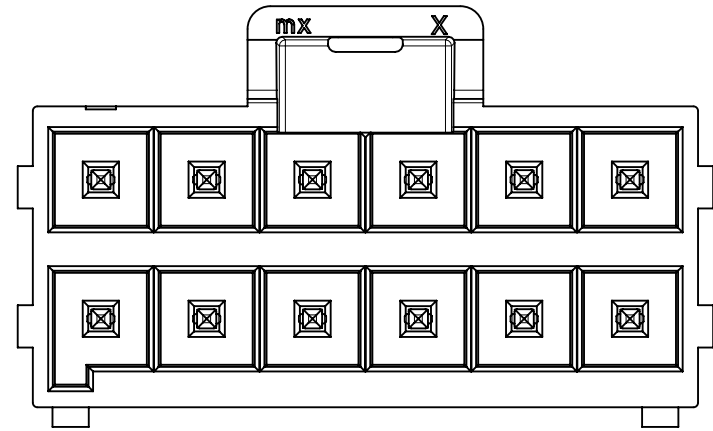
6 CKT



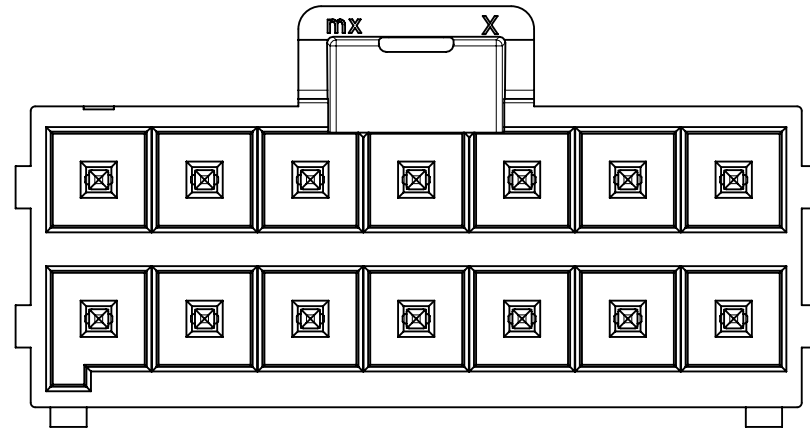
8 CKT



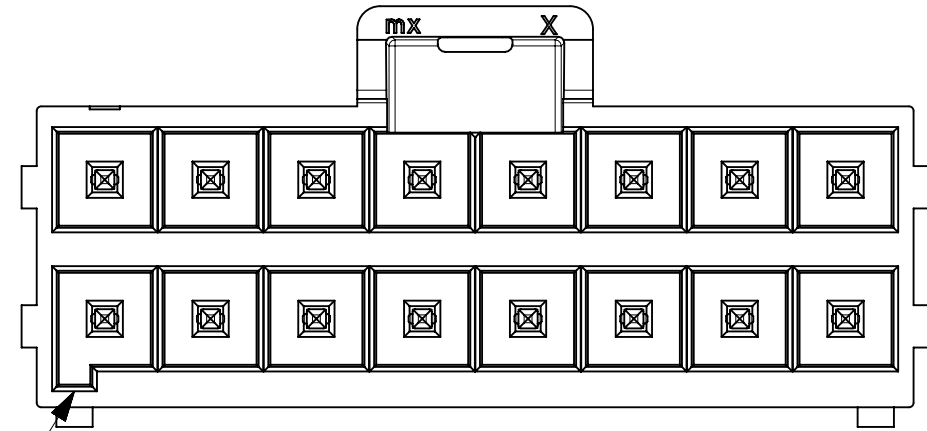
10 CKT



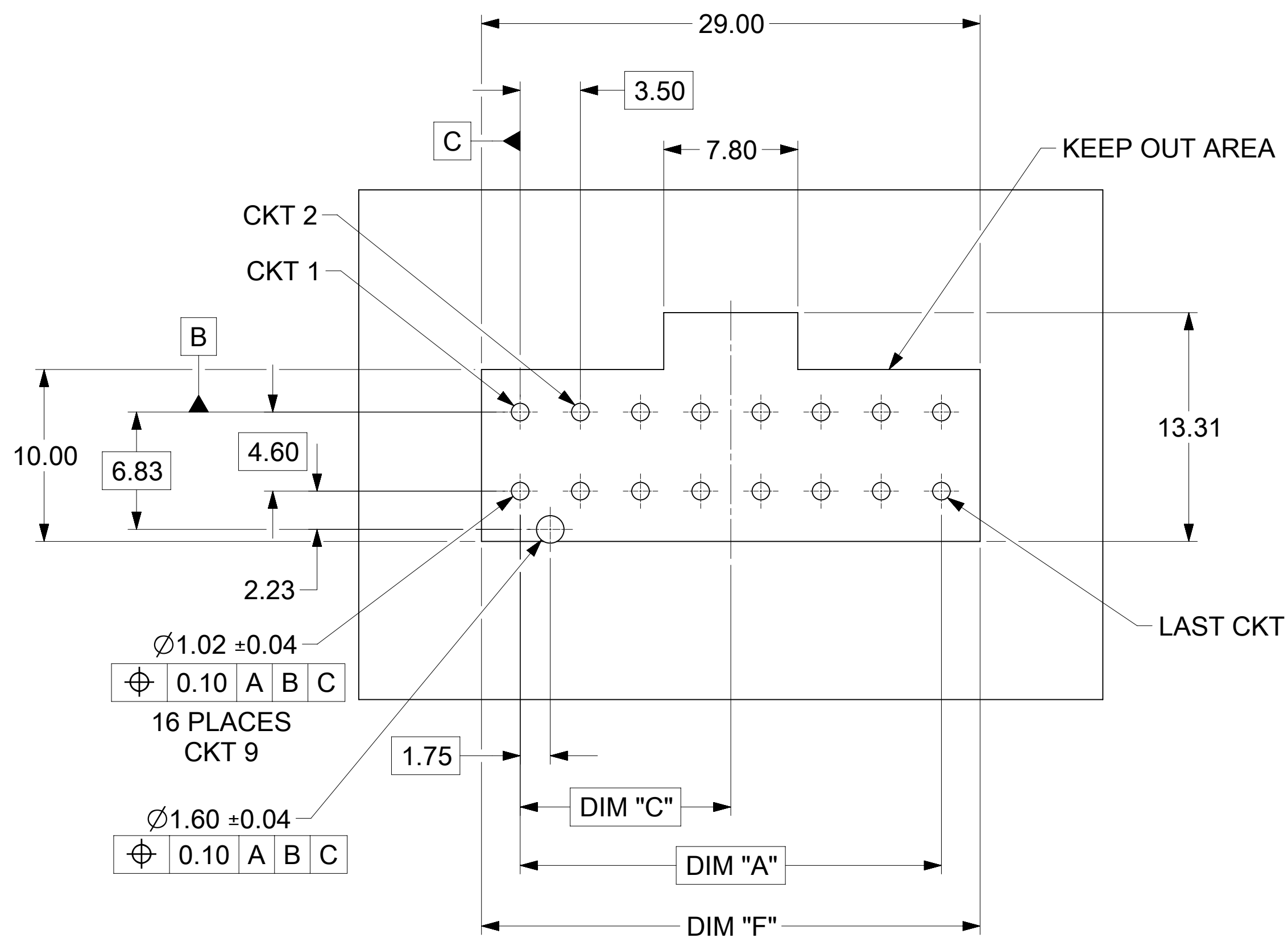
12 CKT



14 CKT



16 CKT



PCB LAYOUT COMPONENT SIDE  
RECOMMENDED PCB THICKNESS 1.60MM-2.40MM

NOTE: DATUM -A- IS ON PCB COMPONENT SIDE

|              |                    |                           |
|--------------|--------------------|---------------------------|
| COLOR OPTION | <br>KEY A<br>BLACK | <br>KEY B<br>NATURAL      |
|              | <br>WITHOUT KAPTON | <br>KAPTON<br>WITH KAPTON |

|                                                                                                                              |                                       |                                                                                                                                               |       |                                                                           |                                                                                                 |         |                 |                                                                                             |          |                 |          |                |  |              |  |
|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------|-----------------|---------------------------------------------------------------------------------------------|----------|-----------------|----------|----------------|--|--------------|--|
| FUNCTIONAL SYMBOLS                                                                                                           |                                       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |       |                                                                           |                                                                                                 |         |                 |                                                                                             |          |                 |          |                |  |              |  |
| <div><div>▽<sub>A</sub> = 0</div><div>▽<sub>C</sub> = 0</div><div>▽<sub>P</sub> = 0</div><div>DIVISIONAL SYMBOLS</div></div> | DIMENSION UNITS                       |                                                                                                                                               | SCALE |                                                                           | CURRENT REV DESC:                                                                               |         |                 | <div>molex</div> <div>ULTRA-FIT VERT HEADER</div> <div>4-16 CKTS DUAL ROW KINKED PINS</div> |          |                 |          |                |  |              |  |
|                                                                                                                              | mm                                    |                                                                                                                                               | 4:1   |                                                                           |                                                                                                 |         |                 |                                                                                             |          |                 |          |                |  |              |  |
|                                                                                                                              | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                                                                                                                               |       |                                                                           | EC NO: 693485<br>DRWN: GLLI 2022/01/21<br>CHK'D: XQZHANG 2022/01/26<br>APPR: XQZHANG 2022/01/26 |         |                 | PRODUCT CUSTOMER DRAWING                                                                    |          |                 |          |                |  |              |  |
|                                                                                                                              | ANGULAR TOL ± °                       |                                                                                                                                               |       |                                                                           |                                                                                                 |         |                 |                                                                                             |          |                 |          |                |  |              |  |
|                                                                                                                              | 4 PLACES                              |                                                                                                                                               | ±     |                                                                           |                                                                                                 |         |                 |                                                                                             |          |                 |          |                |  |              |  |
| 3 PLACES                                                                                                                     |                                       | ±                                                                                                                                             |       |                                                                           |                                                                                                 |         |                 |                                                                                             |          |                 |          |                |  |              |  |
| 2 PLACES                                                                                                                     |                                       | ± 0.25                                                                                                                                        |       | INITIAL REVISION:<br>DRWN: DROSCA 2014/03/04<br>APPR: JCOMERCI 2014/04/24 |                                                                                                 |         | DOCUMENT NUMBER |                                                                                             | DOC TYPE | DOC PART        | REVISION |                |  |              |  |
| 1 PLACE                                                                                                                      |                                       | ± 0.5                                                                                                                                         |       |                                                                           |                                                                                                 |         | SD-172298-1000  |                                                                                             | PSD      | 000             | D1       |                |  |              |  |
| 0 PLACES                                                                                                                     |                                       | ±                                                                                                                                             |       |                                                                           |                                                                                                 |         |                 |                                                                                             |          |                 |          |                |  |              |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS                                                                      |                                       |                                                                                                                                               |       | THIRD ANGLE PROJECTION                                                    |                                                                                                 | DRAWING |                 | SERIES                                                                                      |          | MATERIAL NUMBER |          | CUSTOMER       |  | SHEET NUMBER |  |
|                                                                                                                              |                                       |                                                                                                                                               |       |                                                                           |                                                                                                 | D-SIZE  |                 | 172298                                                                                      |          |                 |          | GENERAL MARKET |  | 2 OF 3       |  |

