

| NATURAL HEADERS |            |              |         |              |             |           |
|-----------------|------------|--------------|---------|--------------|-------------|-----------|
|                 |            | 12           | GOLD    | <u>1.039</u> | <u>.827</u> | BULK      |
| 30070-1235      |            |              | TIN     | (26.40)      | (21.00)     |           |
|                 |            | 10           | GOLD    | <u>.874</u>  | <u>.661</u> |           |
| 30070-1035      |            |              | TIN     | (22.20)      | (16.80)     |           |
| 30070-0832      |            | 8            | GOLD    | <u>.709</u>  | <u>.496</u> |           |
| 30070-0835      |            |              | TIN     | (18.00)      | (12.60)     |           |
|                 |            | 6            | GOLD    | <u>.543</u>  | <u>.331</u> |           |
| 30070-0635      |            |              | TIN     | (13.80)      | (8.40)      |           |
|                 |            | 4            | GOLD    | <u>.378</u>  | <u>.165</u> |           |
|                 |            |              | TIN     | (9.60)       | (4.20)      |           |
|                 |            | 2            | GOLD    | <u>.213</u>  | _____       |           |
| 30070-0235      |            |              | TIN     | (5.40)       |             |           |
| PART NUMBER     | ENG NUMBER | CKT.<br>SIZE | PLATING | DIM "A"      | DIM "B"     | PACKAGING |

| BLACK HEADERS |            |           |         |              |             |           |
|---------------|------------|-----------|---------|--------------|-------------|-----------|
|               |            | 12        | GOLD    | <u>1.039</u> | <u>.827</u> | BULK      |
| 30070-1215    |            |           | TIN     | (26.40)      | (21.00)     |           |
|               |            | 10        | GOLD    | <u>.874</u>  | <u>.661</u> |           |
| 30070-1015    |            |           | TIN     | (22.20)      | (16.80)     |           |
| 30070-0812    |            | 8         | GOLD    | <u>.709</u>  | <u>.496</u> |           |
| 30070-0815    |            |           | TIN     | (18.00)      | (12.60)     |           |
|               |            | 6         | GOLD    | <u>.543</u>  | <u>.331</u> |           |
| 30070-0615    |            |           | TIN     | (13.80)      | (8.40)      |           |
|               |            | 4         | GOLD    | <u>.378</u>  | <u>.165</u> |           |
| 15-97-8043    | 30070-04B3 |           | TIN     | (9.60)       | (4.20)      |           |
|               |            | 2         | GOLD    | <u>.213</u>  | _____       |           |
| 15-97-8023    | 30070-02B3 |           | TIN     | (5.40)       |             |           |
| PART NUMBER   | ENG NUMBER | CKT. SIZE | PLATING | DIM "A"      | DIM "B"     | PACKAGING |

1. MATERIAL:  
HOUSING: POLYESTER, UNFILLED, UL94 V-0,  
COLOR: SEE CHART  
TERMINALS: BRASS

2. TERMINAL PLATING:  
3 OR 5-.000100/(0.00254) MIN. MATTE TIN OVER  
.000050/(0.00127) MIN. NICKEL  
1 OR 2-.000030/(0.00076) MIN. SELECT GOLD AND  
.000100/(0.00254) MIN. SELECT MATTE TIN OVER  
.000050/(0.00127) MIN. NICKEL OVERALL

3. PRODUCT SPECIFICATION: PS-5556-003

4. PACKAGING: SEE CHARTS: BULK PER PK-30070-001  
TRAY PER PK-44483-001

5. PART MATES WITH MINI-FIT JR. TPA RECEPTACLE 30067.

6. PARTS ARE NOT TO BE MATED OR UNMATED WHILE  
CIRCUITS ARE LIVE.

7. DISCOLORATION ON THE BANDOLIER CARRIER 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 PREFORMMANCE  
OF THE HEADER ASSEMBLY.

8. PARTS CONFORM TO CLASS "B" REQUIREMENTS OF  
COSMETIC SPECIFICATION PS-45499-002.

9 FORMING MARKS ARE ACCEPTABLE.

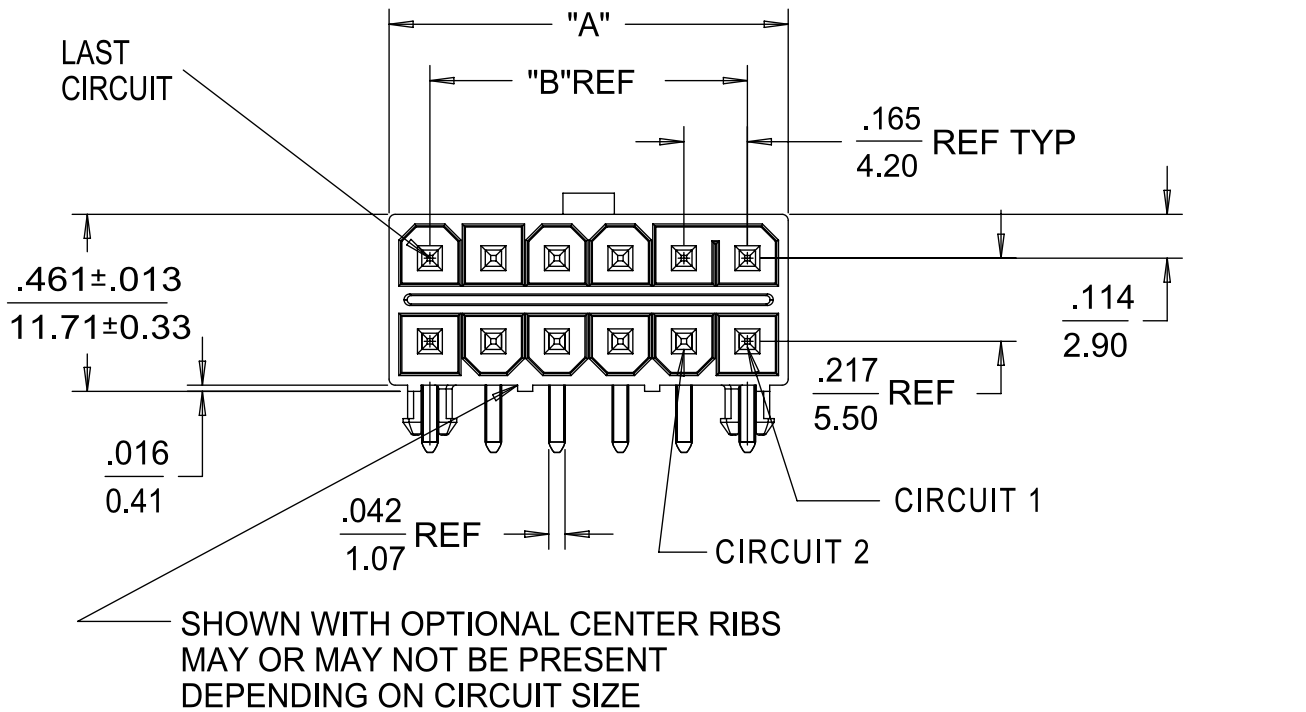
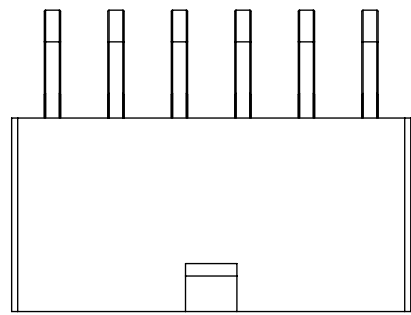
10. PARTS ARE NOT DESIGNED FOR CURRENT SHARING.

 CORNER CORE-OUTS ARE OPTIONAL AND MAY OR MAY NOT BE PRESENT.

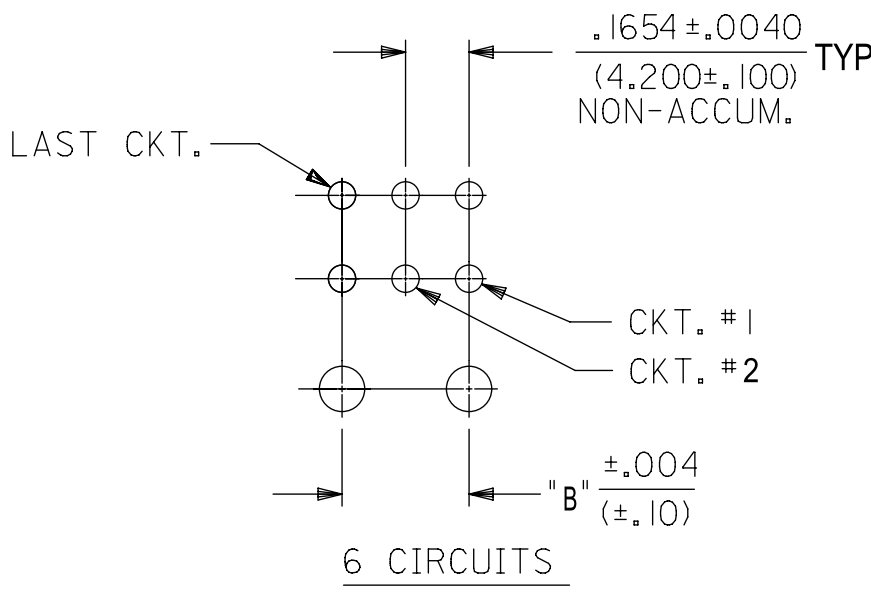
12. TEXT ON PART IS FOR REFERENCE ONLY. TEXT AND TEXT LOCATION MAY VARY  
DEPENDING ON PART NUMBER AND/OR TOOL.

12. TEXT ON PART IS FOR REFERENCE ONLY. TEXT AND TEXT LOCATION MAY VARY DEPENDING ON PART NUMBER AND/OR TOOL.

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2024/10/23 | 08:24:47 |
|-----------------|----|--------------|------------|----------|



SEE SHEET 2 FOR FLANGE MOUNT



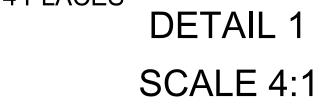
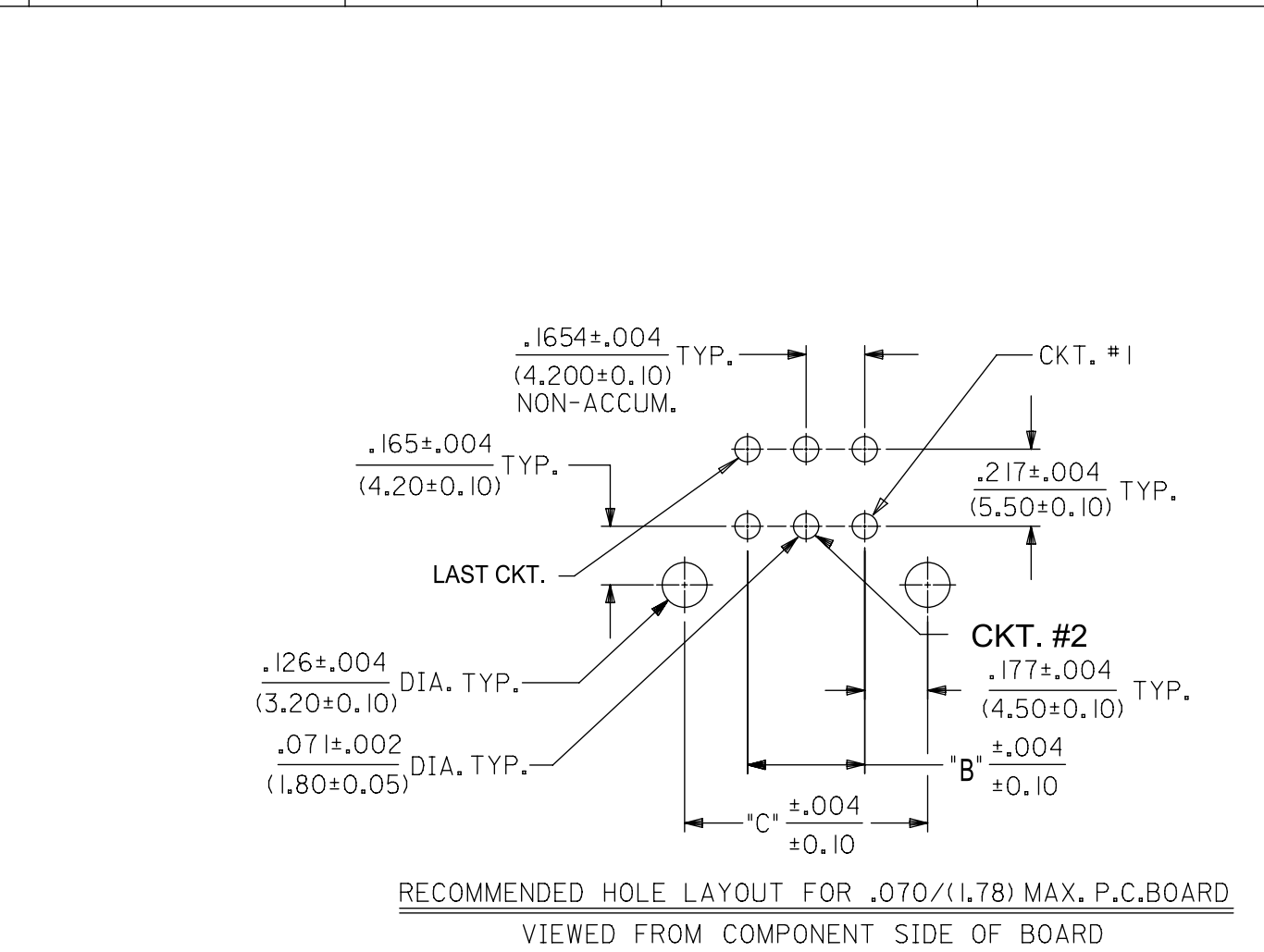
The drawing shows two punch card layouts. The left layout is for 4 circuits and has a width of  $.1654 \pm .0040$  (4.200 ± .100). It features two rows of two holes each, with a vertical spacing of  $.083 \pm .003$  (2.10 ± .08). The right layout is for 2 circuits and has a width of  $.217 \pm .004$  (5.50 ± .10). It features two rows of one hole each, with a vertical spacing of  $.118 \pm .002$  (3.00 ± .05). Both layouts have a hole diameter of  $.071 \pm .002$  (1.80 ± .05). Labels include 'LAST CKT.' pointing to the top hole of the first circuit, 'CKT. #3' and 'CKT. #1' for the 4-hole layout, and 'CKT. #1' for the 2-hole layout. Dimensions are given in inches and millimeters.

RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. P.C.BOARD  
VIEWED FROM COMPONENT SIDE OF BOARD

|                                                                                                                                               |    |       |      |                                                                                                                 |       |               |  |                                                                      |  |  |  |                 |  |  |  |                              |  |  |  |                            |  |  |  |                        |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----|-------|------|-----------------------------------------------------------------------------------------------------------------|-------|---------------|--|----------------------------------------------------------------------|--|--|--|-----------------|--|--|--|------------------------------|--|--|--|----------------------------|--|--|--|------------------------|--|--|--|
| 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> <div>MINI-FIT TPA<br/>RIGHT ANGLE HEADER ASSY</div> |  |  |  |                 |  |  |  |                              |  |  |  |                            |  |  |  |                        |  |  |  |
| IN/MM                                                                                                                                         |    | NTS   |      |                                                                                                                 |       |               |  |                                                                      |  |  |  |                 |  |  |  |                              |  |  |  |                            |  |  |  |                        |  |  |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |    |       |      |                                                                                                                 |       |               |  |                                                                      |  |  |  |                 |  |  |  |                              |  |  |  |                            |  |  |  |                        |  |  |  |
|                                                                                                                                               | MM |       | INCH |                                                                                                                 |       |               |  |                                                                      |  |  |  |                 |  |  |  |                              |  |  |  |                            |  |  |  |                        |  |  |  |
| 4 PLACES                                                                                                                                      | ±  |       | ±    |                                                                                                                 |       |               |  |                                                                      |  |  |  |                 |  |  |  |                              |  |  |  |                            |  |  |  |                        |  |  |  |
| 3 PLACES                                                                                                                                      | ±  |       | ±    |                                                                                                                 |       |               |  |                                                                      |  |  |  |                 |  |  |  |                              |  |  |  |                            |  |  |  |                        |  |  |  |
| 2 PLACES                                                                                                                                      | ±  | 0.25  | ±    |                                                                                                                 |       |               |  |                                                                      |  |  |  |                 |  |  |  |                              |  |  |  |                            |  |  |  |                        |  |  |  |
| 1 PLACE                                                                                                                                       | ±  | 0.36  | ±    |                                                                                                                 |       |               |  |                                                                      |  |  |  |                 |  |  |  |                              |  |  |  |                            |  |  |  |                        |  |  |  |
| 0 PLACES                                                                                                                                      | ±  |       |      |                                                                                                                 |       |               |  |                                                                      |  |  |  |                 |  |  |  |                              |  |  |  |                            |  |  |  |                        |  |  |  |
| ANGULAR TOL                                                                                                                                   |    |       |      | ±                                                                                                               | 0.5 ° | EC NO: 801920 |  |                                                                      |  |  |  |                 |  |  |  |                              |  |  |  |                            |  |  |  |                        |  |  |  |
| DRWN: JERRYW8                                                                                                                                 |    |       |      | 2024/10/22                                                                                                      |       |               |  | EC NO: 801920                                                        |  |  |  |                 |  |  |  |                              |  |  |  |                            |  |  |  |                        |  |  |  |
| CHK'D: XQZHANG                                                                                                                                |    |       |      | 2024/10/23                                                                                                      |       |               |  | DRWN: JERRYW8                                                        |  |  |  | 2024/10/22      |  |  |  |                              |  |  |  |                            |  |  |  |                        |  |  |  |
| APPR: XQZHANG                                                                                                                                 |    |       |      | 2024/10/23                                                                                                      |       |               |  | CHK'D: XQZHANG                                                       |  |  |  | 2024/10/23      |  |  |  |                              |  |  |  |                            |  |  |  |                        |  |  |  |
| APPR: XQZHANG                                                                                                                                 |    |       |      | 2024/10/23                                                                                                      |       |               |  | APPR: XQZHANG                                                        |  |  |  | 2024/10/23      |  |  |  |                              |  |  |  |                            |  |  |  |                        |  |  |  |
| INITIAL REVISION:                                                                                                                             |    |       |      |                                                                                                                 |       |               |  | DOCUMENT NUMBER                                                      |  |  |  | DOC TYPE        |  |  |  | DOC PART                     |  |  |  | REVISION                   |  |  |  |                        |  |  |  |
| DRWN: JDFOX                                                                                                                                   |    |       |      | 2015/04/10                                                                                                      |       |               |  | SD-30070-001                                                         |  |  |  | PSD             |  |  |  | 000                          |  |  |  | D9                         |  |  |  |                        |  |  |  |
| APPR: FSMITH                                                                                                                                  |    |       |      | 2015/04/10                                                                                                      |       |               |  |                                                                      |  |  |  |                 |  |  |  |                              |  |  |  |                            |  |  |  |                        |  |  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |    |       |      | THIRD ANGLE PROJECTION<br> |       |               |  | DRAWING<br>C-SIZE                                                    |  |  |  | SERIES<br>30070 |  |  |  | MATERIAL NUMBER<br>SEE CHART |  |  |  | CUSTOMER<br>GENERAL MARKET |  |  |  | SHEET NUMBER<br>1 OF 2 |  |  |  |

FORMAT: Eng-Japa-matn-B-prod-C  
REVISION: E1

| BLACK FLANGE MOUNT HEADERS |             |            |         |         |         |         |         |           |
|----------------------------|-------------|------------|---------|---------|---------|---------|---------|-----------|
| CKT.<br>SIZE               | PART NUMBER | ENG NUMBER | PLATING | DIM "A" | DIM "B" | DIM "C" | DIM "D" | PACKAGING |
| 2                          |             |            | TIN     | .213    |         | .354    | .606    | BULK      |
|                            |             |            | GOLD    | (5.40)  |         | (9.00)  | (15.40) |           |
| 4                          |             |            | TIN     | .378    | .165    | .520    | .772    |           |
|                            |             |            | GOLD    | (9.60)  | (4.20)  | (13.20) | (19.60) |           |
| 6                          | 15-97-8062  | 30070-06A3 | TIN     | .543    | .331    | .685    | .937    |           |
|                            | 15-97-8067  | 30070-06A1 | GOLD    | (13.80) | (8.40)  | (17.40) | (23.80) |           |
| 8                          | 15-97-8082  | 30070-08A3 | TIN     | .709    | .496    | .850    | 1.102   |           |
|                            | 15-97-8087  | 30070-08A1 | GOLD    | (18.00) | (12.60) | (21.60) | (28.00) |           |
| 10                         | 15-97-8102  | 30070-10A3 | TIN     | .874    | .661    | 1.016   | 1.268   | TRAY      |
|                            | 15-97-8107  | 30070-10A1 | GOLD    | (22.20) | (16.80) | (25.80) | (32.20) |           |
| 12                         | 15-97-8122  | 30070-12A3 | TIN     | 1.039   | .827    | 1.181   | 1.433   |           |
|                            | 15-97-8127  | 30070-12A1 | GOLD    | (26.40) | (21.00) | (30.00) | (36.40) |           |
| 16                         | 15-97-8162  | 30070-16A3 | TIN     | 1.370   | 1.157   | 1.512   | 1.764   |           |
|                            | 15-97-8167  | 30070-16A1 | GOLD    | (34.80) | (29.40) | (38.40) | (44.80) |           |

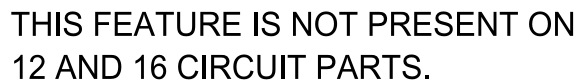


APPLIES TO ALL  
CIRCUIT SIZES  
BOTH PEGGED  
AND FLANGED

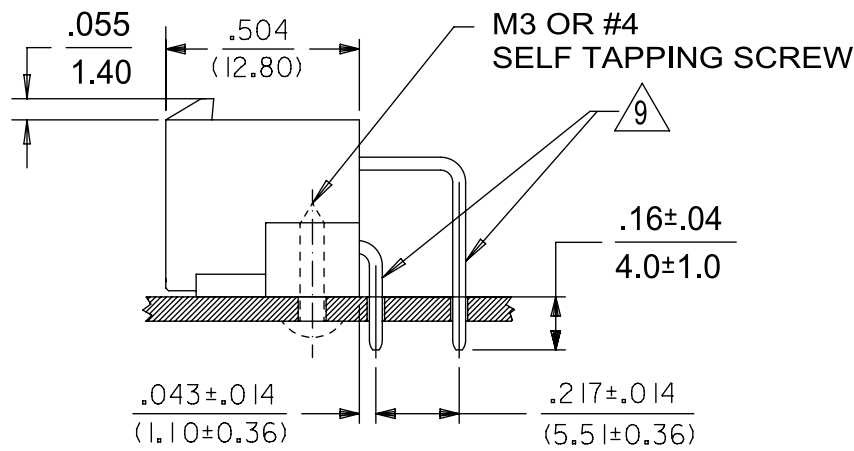


4 PLACES

**DETAIL 1**  
**SCALE 4:1**



SEE SHEET 1 FOR PEG MOUNT



30070 - \* \* \* \*

BASE NUMBER \_\_\_\_\_

CIRCUIT SIZE \_\_\_\_\_

PCB MOUNTING & COLOR \_\_\_\_\_

"B" OR "1" = PEG (SEE SHEET 1)

"A" = FLANGE COLOR = BLACK

"3" = PEG (SEE SHEET 1)

PLATING \_\_\_\_\_  
(SEE NOTE 2)

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REVISION: E1  
DATE: 2021/05/01