

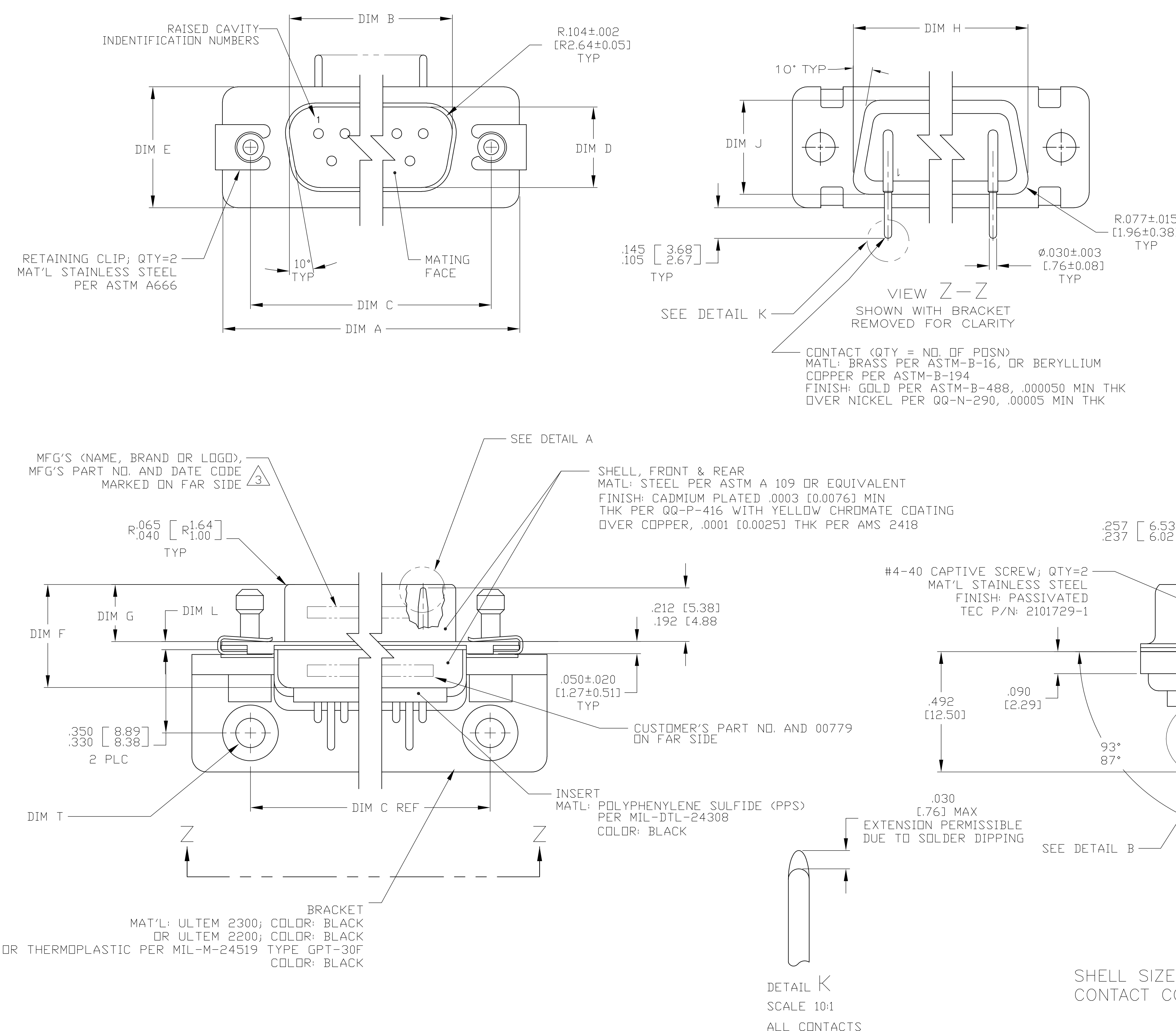
| REVISIONS |     |                       |        |     |      |  |
|-----------|-----|-----------------------|--------|-----|------|--|
| P         | LTR | DESCRIPTION           | DATE   | DWN | APVD |  |
| U         |     | REV PER ECO 17-010391 | 8-8-17 | CT  | DM   |  |

D

C

B

A



- SEE SHEET 2 FOR RECOMMENDED P.C. BOARD LAYOUT. TRUE POSITION TOLERANCE FOR P.C.BOARD LAYOUT IS .010 [0.25] AT MAX MATERIAL CONDITION. SUGGESTED BOARD THICKNESS IS .062 [1.57]
- THE CONNECTORS DESCRIBED IN THIS DOCUMENT MEET THE REQUIREMENTS OF MIL-DTL-24308 AND MATE WITH ANY RECEPTACLE CONNECTOR WITH SAME INSERT ARRANGEMENT.
- MARKED WITH .047 [1.19]-.062 [1.57] HIGH CHARACTERS. FAR SIDE REFERS TO THE WIDE SIDE OF THE KEYSTONE. NEAR SIDE REFERS TO THE NARROW SIDE OF THE KEYSTONE. IF THE SHELL IS TOO SMALL FOR THE ENTIRE MARKING MARKING SHALL BE SPLIT AS FOLLOWS:  
A. "MFG'S" (NAME, BRAND OR LOGO), AND DATE CODE ON FRONT SHELL, NEAR SIDE.  
B. "MFG'S" PART NUMBER ON REAR SHELL, NEAR SIDE.
- SOLDER DIPPED PER J-STD-001, CLASS 3 WITH Sn63 SOLDER PER J-STD-006 IN THIS REGION (LOOSE PIECE).
- SOLDER DIP INSPECTED PRIOR TO ASSEMBLY.

|                                                                               |             |              |               |             |              |              |             |               |               |               |                    |           |            |                                    |                               |                |
|-------------------------------------------------------------------------------|-------------|--------------|---------------|-------------|--------------|--------------|-------------|---------------|---------------|---------------|--------------------|-----------|------------|------------------------------------|-------------------------------|----------------|
| $\phi .128^{+.005}_{-.001}$ [3.25 <sup>+0.13</sup> <sub>-0.03</sub> ] (2 PLC) | .049 [1.24] | .432 [10.97] | 2.282 [57.96] | .236 [5.99] | .436 [11.07] | .509 [12.93] | .334 [8.48] | 2.505 [63.63] | 2.187 [54.97] | 2.744 [69.70] | MS18276-1          | 37        | 4          | 13604039-1                         | 2-2101619-4                   | 2-2101619-4    |
| $\phi .220^{+.001}_{-.001}$ X .060 [1.52] C-BORE                              | .029 [0.74] | .412 [10.46] | 2.262 [57.45] | .224 [5.69] | .416 [10.57] | .479 [12.17] | .324 [8.23] | 2.495 [63.37] | 2.177 [54.71] | 2.714 [68.94] |                    |           |            |                                    |                               |                |
| $\phi .128^{+.005}_{-.001}$ [3.25 <sup>+0.13</sup> <sub>-0.03</sub> ] (2 PLC) | .040 [1.02] | .432 [10.97] | 1.093 [27.76] | .238 [6.05] | .432 [10.97] | .509 [12.93] | .334 [8.48] | 1.317 [33.45] | .999 [24.79]  | 1.556 [39.52] | MS18274-1          | 15        | 2          | 13604039-2                         | 2-2101619-2                   | 2-2101619-2    |
| $\phi .220^{+.001}_{-.001}$ X .060 [1.52] C-BORE                              | .020 [0.51] | .412 [10.46] | 1.073 [27.25] | .229 [5.82] | .412 [10.46] | .479 [12.17] | .324 [8.23] | 1.307 [33.20] | .989 [24.54]  | 1.526 [38.76] |                    |           |            |                                    |                               |                |
| $\phi .120$ [3.05] (2 PLC)                                                    | .049 [1.24] | .432 [10.97] | 2.282 [57.96] | .236 [5.99] | .436 [11.07] | .509 [12.93] | .334 [8.48] | 2.505 [63.63] | 2.187 [54.97] | 2.744 [69.70] | MS18276-1          | 37        | 4          | 13603949-1                         | 1-2101619-4                   | 1-2101619-4    |
| $\phi .228$ [5.80] X 82° C-SINK                                               | .029 [0.74] | .412 [10.46] | 2.262 [57.45] | .224 [5.69] | .416 [10.57] | .479 [12.17] | .324 [8.23] | 2.495 [63.37] | 2.177 [54.71] | 2.714 [68.94] |                    |           |            |                                    |                               |                |
| $\phi .120$ [3.05] (2 PLC)                                                    | .040 [1.02] | .432 [10.97] | 1.093 [27.76] | .238 [6.05] | .432 [10.97] | .509 [12.93] | .334 [8.48] | 1.317 [33.45] | .999 [24.79]  | 1.556 [39.52] | MS18274-1          | 15        | 2          | 13603949-2                         | 1-2101619-2                   | 1-2101619-2    |
| $\phi .228$ [5.80] X 82° C-SINK                                               | .020 [0.51] | .412 [10.46] | 1.073 [27.25] | .229 [5.82] | .412 [10.46] | .479 [12.17] | .324 [8.23] | 1.307 [33.20] | .989 [24.54]  | 1.526 [38.76] |                    |           |            |                                    |                               |                |
| SUPERSEDED BY 1-2101619-4                                                     | .049 [1.24] | .432 [10.97] | 2.282 [57.96] | .236 [5.99] | .436 [11.07] | .509 [12.93] | .334 [8.48] | 2.505 [63.63] | 2.187 [54.97] | 2.744 [69.70] | MS18276-1          | 37        | 4          |                                    | 2101619-4                     | 2101619-4      |
|                                                                               | .029 [0.74] | .412 [10.46] | 2.262 [57.45] | .224 [5.69] | .416 [10.57] | .479 [12.17] | .324 [8.23] | 2.495 [63.37] | 2.177 [54.71] | 2.714 [68.94] |                    |           |            |                                    |                               |                |
| SUPERSEDED BY 1-2101619-2                                                     | .040 [1.02] | .432 [10.97] | 1.093 [27.76] | .238 [6.05] | .432 [10.97] | .509 [12.93] | .334 [8.48] | 1.317 [33.45] | .999 [24.79]  | 1.556 [39.52] | MS18274-1          | 15        | 2          |                                    | 2101619-2                     | 2101619-2      |
|                                                                               | .020 [0.51] | .412 [10.46] | 1.073 [27.25] | .229 [5.82] | .412 [10.46] | .479 [12.17] | .324 [8.23] | 1.307 [33.20] | .989 [24.54]  | 1.526 [38.76] |                    |           |            |                                    |                               |                |
| DIM T                                                                         | DIM L       | DIM J        | DIM H         | DIM G       | DIM F        | DIM E        | DIM D       | DIM C         | DIM B         | DIM A         | INSERT ARRANGEMENT | NO OF POS | SHELL SIZE | CUSTOMER'S P/N MARKED ON CONNECTOR | MFG'S P/N MARKED ON CONNECTOR | MFG'S PART NO. |

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M (ISO STANDARDS)

DIMENSIONS: INCHES [mm]

0 PLC  
1 PLC  
2 PLC  
3 PLC  
4 PLC

± -

± -

± -

± .005 [0.13]

± - ± 1°

ANGLES

MATERIAL SEE CALLOUTS

TOLERANCES UNLESS OTHERWISE SPECIFIED:

FINISH SEE CALLOUTS

DWN C.C.THOMAS 11-4-09

CHK R. LEASE 11-4-09

APVD R. LEASE 11-4-09

PRODUCT SPEC

APPLICATION SPEC

WEIGHT 0

CUSTOMER DRAWING

NAME PLUG ASSEMBLY,AMPLITE,RT ANGLE SPECIAL, SERIES 109

SIZE CAGE CODE DRAWING NO RESTRICTED TO

A1007792101619

SCALE 4:1 SHEET 1 OF 2 REV U

TE Connectivity

TE





# Mouser Electronics

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[1-2101619-2](#)