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| LOC |  | DIST |  | REVISIONS |     |                           |           |     |      |
|-----|--|------|--|-----------|-----|---------------------------|-----------|-----|------|
| CM  |  | 00   |  | P         | LTR | DESCRIPTION               | DATE      | DWN | APVD |
|     |  |      |  | K         |     | REVISED PER ECR-20-000541 | 15MAY2020 | PC  | SW   |

1 MATERIAL: CONNECTOR - NYLON UL94V-2 (RED) .  
 CONTACTS - 0.30[.012] THICK COPPER ALLOY BRIGHT  
 TIN-LEAD .00203[.000080] MIN THICKNESS FOR 643813-2  
 THRU 2-643813-8. MATTE WHISKER MITIGATED TIN .00203[.000080] MIN  
 THICKNESS OVER NICKEL UNDERPLATE FOR 3-643813-2 THRU 5-643813-8.

2 CONTACTS ACCEPT 22 AWG WIRE WITH 1.52[.060] MAX  
 INSULATION DIAMETER.

3 CONTACTS MUST ACCEPT 0.64±0.03[.025±.001]  
 POST AND REMAIN LOCKED IN POSITION.

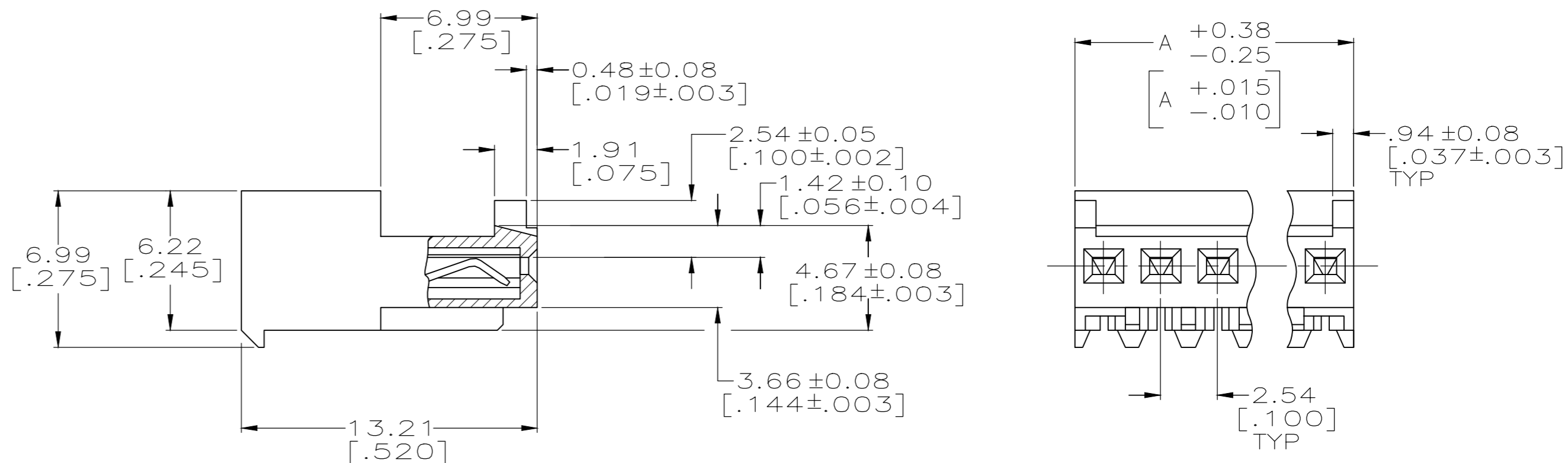
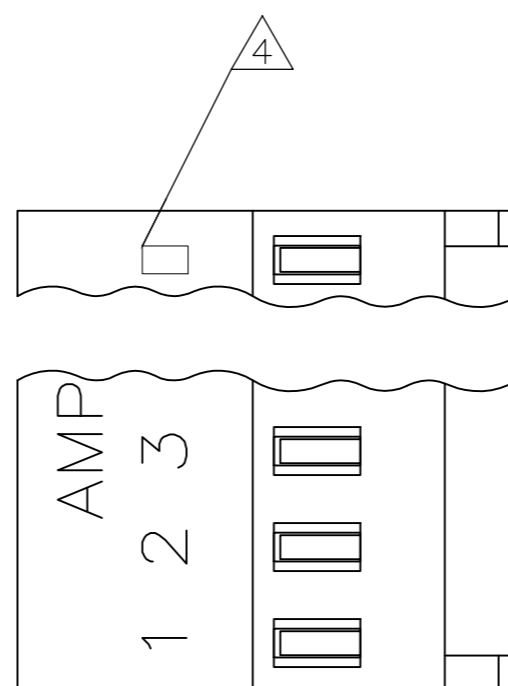
4 IDENTIFICATION NUMBER FOR LAST CIRCUIT MAY  
 NOT APPEAR ON ALL ASSEMBLIES.

5 DIMENSIONS IN BRACKETS ARE IN INCHES.

6 HOUSING FEATURES ARE: CLOSED END WITH  
 LOCKING RAMP AND WITH POLARIZING TAB.

7 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

8 OBSOLETE PARTS



| LEADFREE | DIM A        | NO. OF CIRCUITS | PART NO.   |                          |
|----------|--------------|-----------------|------------|--------------------------|
| YES      | 71.12[2.800] | 28              | 5-643813-8 |                          |
| YES      | 68.58[2.700] | 27              | 5-643813-7 |                          |
| YES      | 66.04[2.600] | 26              | 5-643813-6 |                          |
| YES      | 63.50[2.500] | 25              | 5-643813-5 |                          |
| YES      | 60.96[2.400] | 24              | 5-643813-4 |                          |
| YES      | 58.42[2.300] | 23              | 5-643813-3 |                          |
| YES      | 55.88[2.200] | 22              | 5-643813-2 |                          |
| YES      | 53.34[2.100] | 21              | 5-643813-1 |                          |
| YES      | 50.80[2.000] | 20              | 5-643813-0 |                          |
| YES      | 48.26[1.900] | 19              | 4-643813-9 |                          |
| YES      | 45.72[1.800] | 18              | 4-643813-8 |                          |
| YES      | 43.18[1.700] | 17              | 4-643813-7 |                          |
| YES      | 40.64[1.600] | 16              | 4-643813-6 |                          |
| YES      | 38.10[1.500] | 15              | 4-643813-5 |                          |
| YES      | 35.56[1.400] | 14              | 4-643813-4 |                          |
| YES      | 33.02[1.300] | 13              | 4-643813-3 |                          |
| YES      | 30.48[1.200] | 12              | 4-643813-2 |                          |
| YES      | 27.94[1.100] | 11              | 4-643813-1 |                          |
| YES      | 25.40[1.000] | 10              | 4-643813-0 |                          |
| YES      | 22.86[.900]  | 9               | 3-643813-9 |                          |
| YES      | 20.32[.800]  | 8               | 3-643813-8 |                          |
| YES      | 17.78[.700]  | 7               | 3-643813-7 |                          |
| YES      | 15.24[.600]  | 6               | 3-643813-6 |                          |
| YES      | 12.70[.500]  | 5               | 3-643813-5 |                          |
| YES      | 10.16[.400]  | 4               | 3-643813-4 |                          |
| YES      | 7.62[.300]   | 3               | 3-643813-3 |                          |
| YES      | 5.08[.200]   | 2               | 3-643813-2 |                          |
| NO       | 71.12[2.800] | 28              | 2-643813-8 | SUPERSEDED BY 5-643813-8 |
| NO       | 68.58[2.700] | 27              | 2-643813-7 | SUPERSEDED BY 5-643813-7 |
| NO       | 66.04[2.600] | 26              | 2-643813-6 | OBSOLETE                 |
| NO       | 63.50[2.500] | 25              | 2-643813-5 | SUPERSEDED BY 5-643813-5 |
| NO       | 60.96[2.400] | 24              | 2-643813-4 | SUPERSEDED BY 5-643813-4 |
| NO       | 58.42[2.300] | 23              | 2-643813-3 | SUPERSEDED BY 5-643813-3 |
| NO       | 55.88[2.200] | 22              | 2-643813-2 | SUPERSEDED BY 5-643813-2 |
| NO       | 53.34[2.100] | 21              | 2-643813-1 | SUPERSEDED BY 5-643813-1 |
| NO       | 50.80[2.000] | 20              | 2-643813-0 | SUPERSEDED BY 5-643813-0 |
| NO       | 48.26[1.900] | 19              | 1-643813-9 | SUPERSEDED BY 4-643813-9 |
| NO       | 45.72[1.800] | 18              | 1-643813-8 | SUPERSEDED BY 4-643813-8 |
| NO       | 43.18[1.700] | 17              | 1-643813-7 | SUPERSEDED BY 4-643813-7 |
| NO       | 40.64[1.600] | 16              | 1-643813-6 | SUPERSEDED BY 4-643813-6 |
| NO       | 38.10[1.500] | 15              | 1-643813-5 | SUPERSEDED BY 4-643813-5 |
| NO       | 35.56[1.400] | 14              | 1-643813-4 | SUPERSEDED BY 4-643813-4 |
| NO       | 33.02[1.300] | 13              | 1-643813-3 | SUPERSEDED BY 4-643813-3 |
| NO       | 30.48[1.200] | 12              | 1-643813-2 | SUPERSEDED BY 4-643813-2 |
| NO       | 27.94[1.100] | 11              | 1-643813-1 | SUPERSEDED BY 4-643813-1 |
| NO       | 25.40[1.000] | 10              | 1-643813-0 | SUPERSEDED BY 4-643813-0 |
| NO       | 22.86[.900]  | 9               | -643813-9  | SUPERSEDED BY 3-643813-9 |
| NO       | 20.32[.800]  | 8               | -643813-8  | SUPERSEDED BY 3-643813-8 |
| NO       | 17.78[.700]  | 7               | -643813-7  | SUPERSEDED BY 3-643813-7 |
| NO       | 15.24[.600]  | 6               | -643813-6  | SUPERSEDED BY 3-643813-6 |
| NO       | 12.70[.500]  | 5               | -643813-5  | SUPERSEDED BY 3-643813-5 |
| NO       | 10.16[.400]  | 4               | -643813-4  | SUPERSEDED BY 3-643813-4 |
| NO       | 7.62[.300]   | 3               | -643813-3  | SUPERSEDED BY 3-643813-3 |
| NO       | 5.08[.200]   | 2               | -643813-2  | SUPERSEDED BY 3-643813-2 |

|  |             |                                  |   |                        |
|--|-------------|----------------------------------|---|------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |             | DWN<br>S. CARPENTER<br>11JUN2003 |   |                        |
| DIMENSIONS:<br>mm [INCHES]             |             | CHK<br>D. BOSSI<br>11JUN2003     |   |                        |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |             | APVD<br>D. BOSSI<br>11JUN2003    | NAME<br>MTA 100 CONNECTOR ASSEMBLY,<br>22 AWG, STANDARD |                        |
| 0 PLC ±                                |             | PRODUCT SPEC<br>108-1050         | SIZE<br>A2  |                        |
| 1 PLC ±                                |             | APPLICATION SPEC<br>114-1019     | CAGE CODE<br>00779                                      | DRAWING NO<br>C=643813 |
| 2 PLC ±                                |             | WEIGHT                           | RESTRICTED TO<br>-                                      |                        |
| 3 PLC ± 0.13 [.005]                    |             | CUSTOMER DRAWING                 | SCALE<br>5:1  | SHEET<br>1 of 1        |
| 4 PLC ±                                |             |                                  | REV<br>K  |                        |
| ANGLES ±                               |             |                                  |   |                        |
| MATERIAL<br>1                          | FINISH<br>1 |                                  |   |                        |