

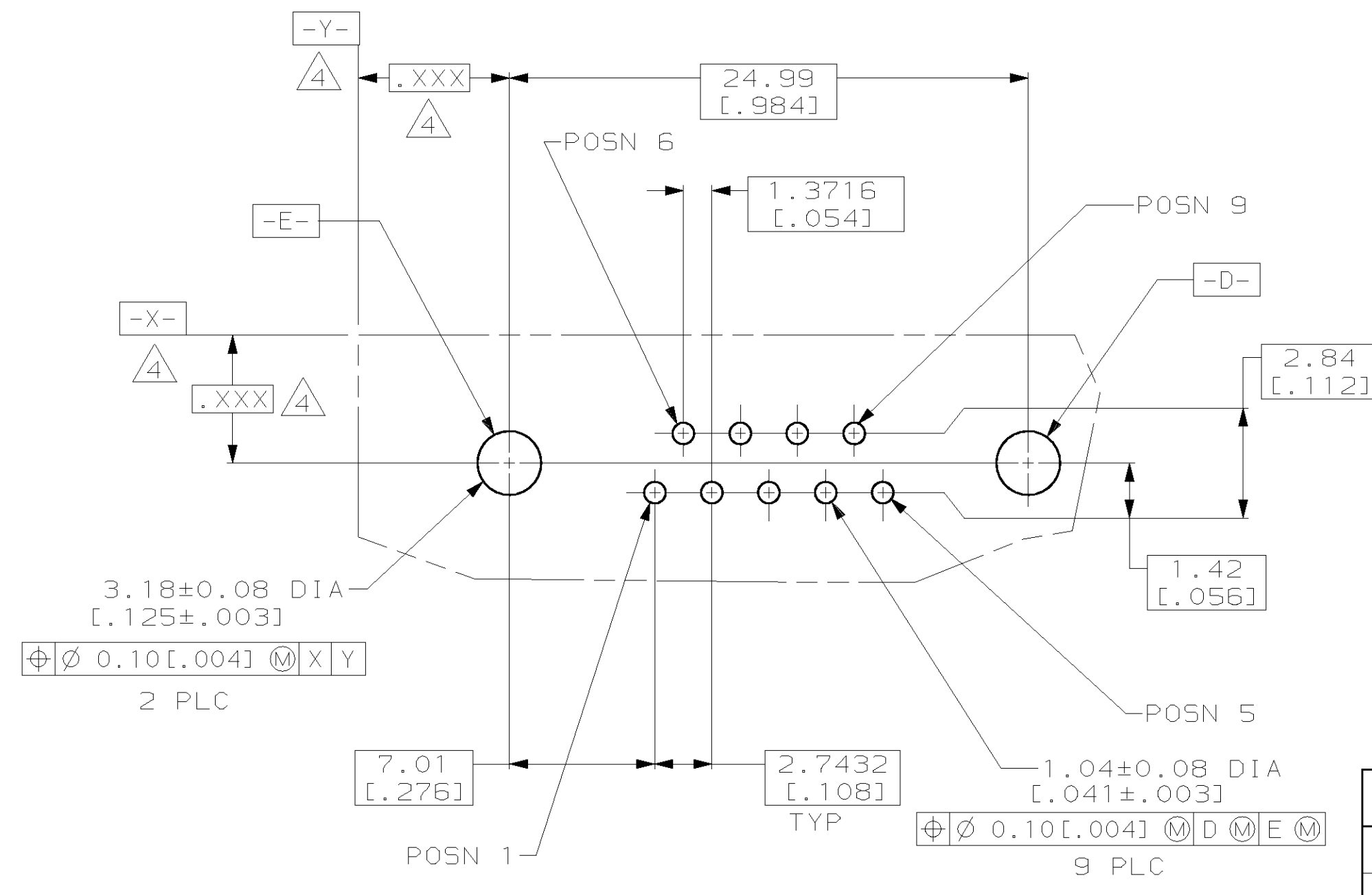
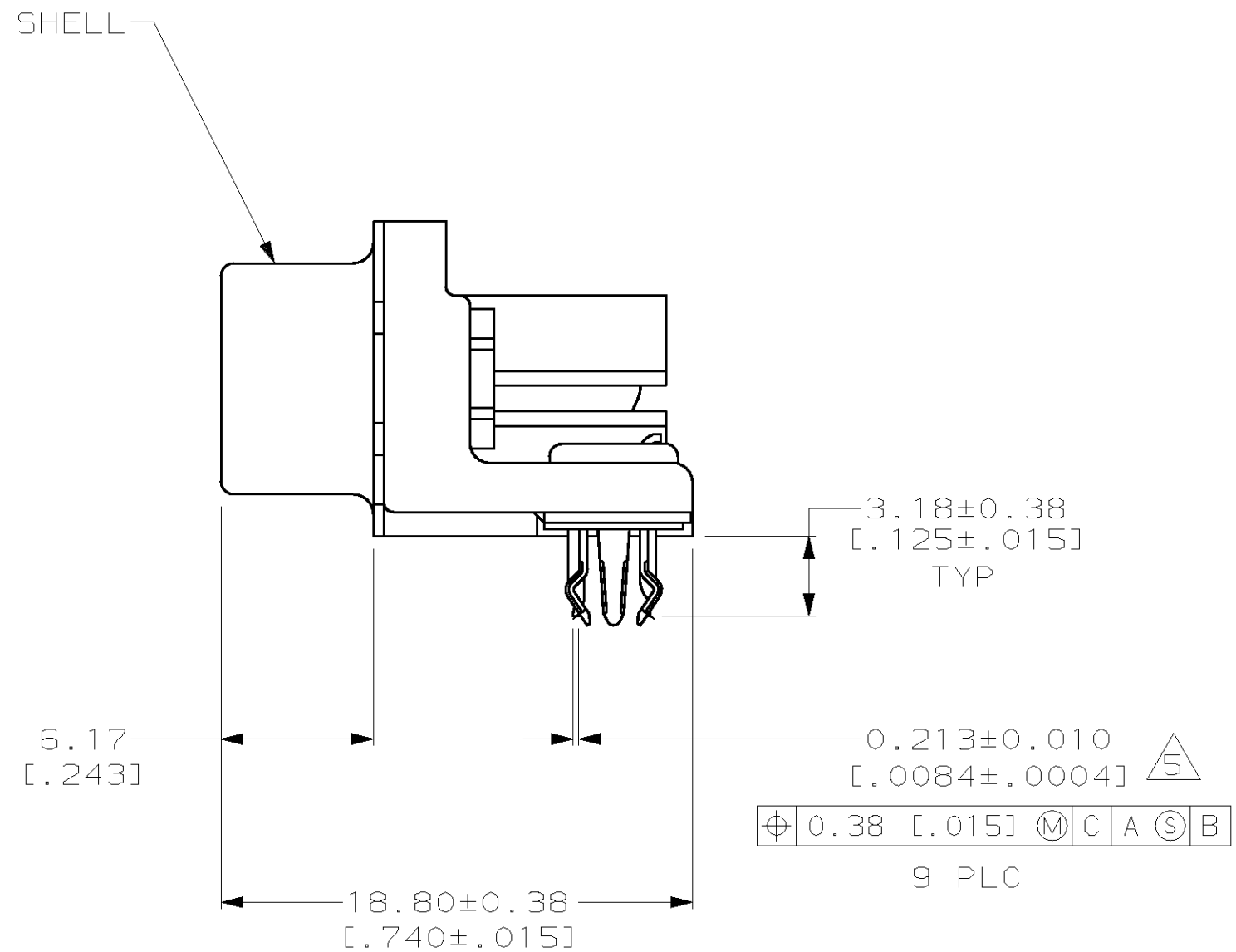
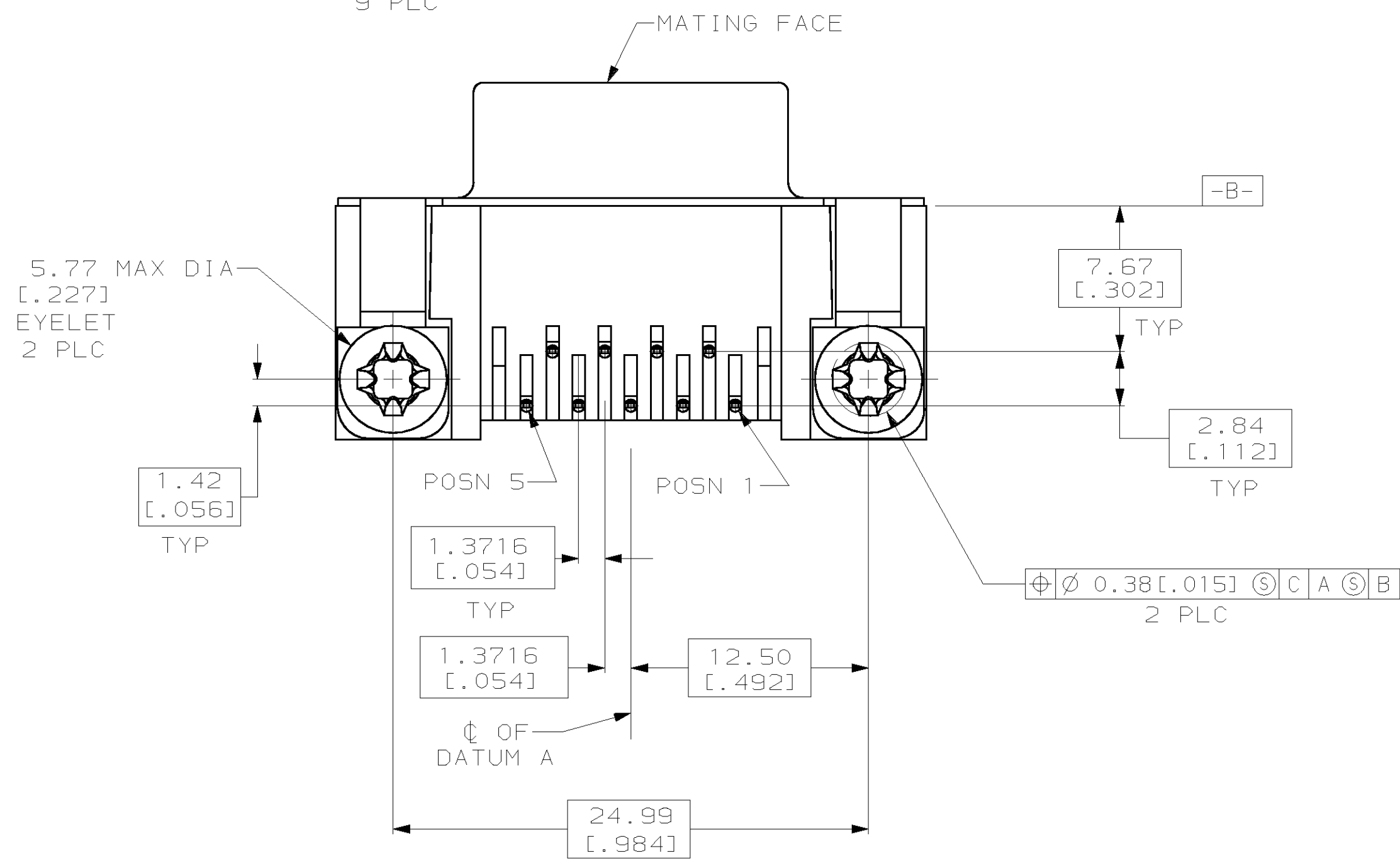
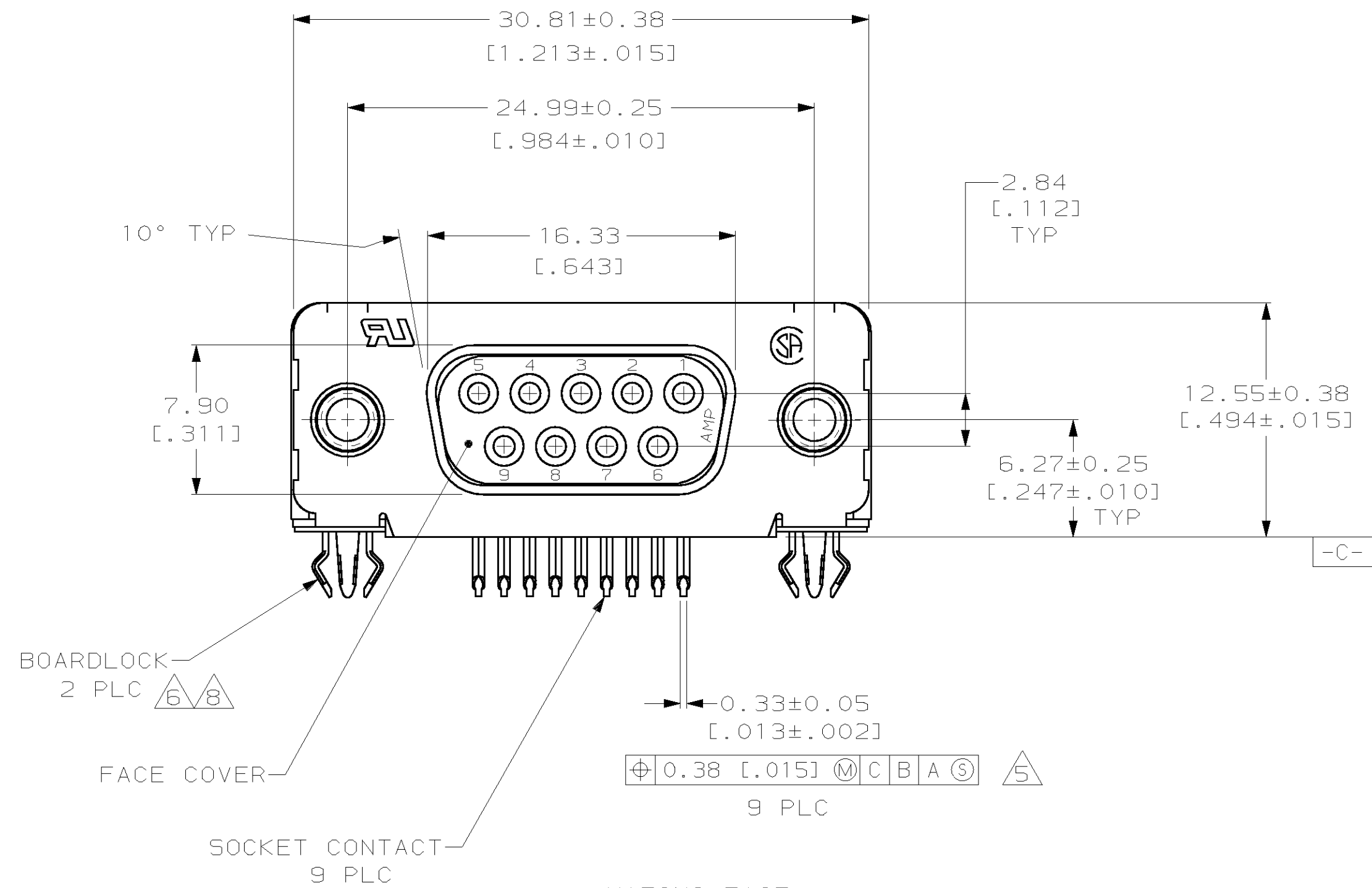
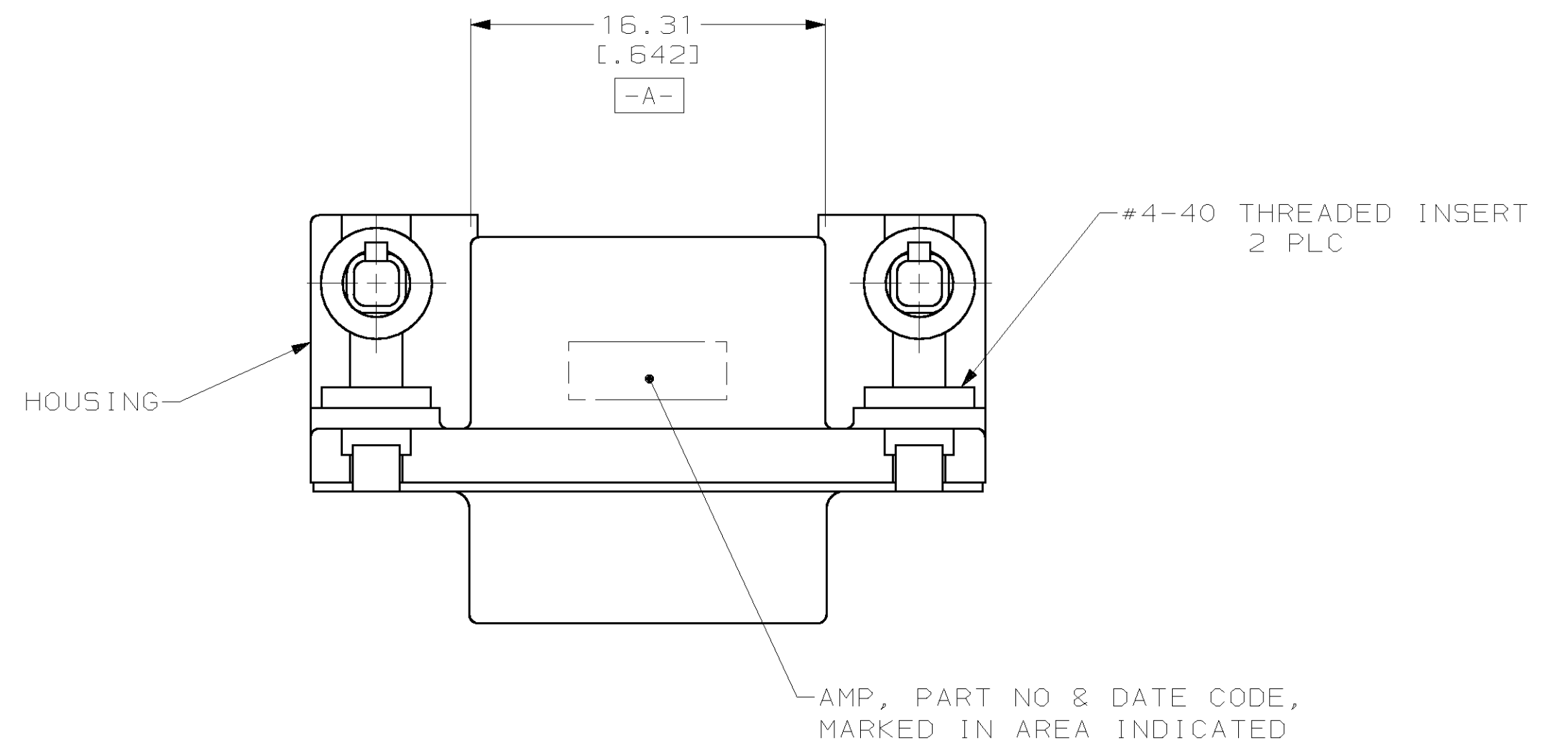
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## RECOMMENDED PC BOARD LAYOUT

1. HOUSING & FACE COVER: NYLON, THERMOPLASTIC, UL 94V0 RATED, BLACK; SHELL: CARBON STEEL PER ASTM A109; SOCKET CONTACTS: PHOSPHOR BRONZE PER QQ-B-750; EYELETS: BRASS; THREADED INSERTS: ZINC; BOARDLOCKS: COPPER ALLOY.
2. SOCKET CONTACTS: GOLD PLATED FOR A LENGTH OF 1.27 [ .050] MIN FROM MATING END, 0.76µm [ .000030] MIN GOLD IN MATED AREA, 2.54µm [ .000100] MIN TIN OR TIN-LEAD FOR A LENGTH OF 3.56 [ .140] MIN FROM OPPOSITE END, BOTH OVER 1.27µm [ .000050] MIN NICKEL. EYELETS: 2.54µm [ .000100] MIN TIN-LEAD OR TIN OVER COPPER FLASH. SHELL: 2.54µm [ .000100] MIN TIN OVER 1.27µm [ .000050] MIN COPPER. THREADED INSERTS: CLEAR CHROMATE. BOARDLOCKS: 3.81µm [ .000150] MIN TIN-LEAD OVER 1.27µm [ .000050] MIN NICKEL.
3. SOCKET CONTACTS: GOLD PLATED FOR A LENGTH OF 1.27 [ .050] MIN FROM MATING END, GOLD FLASH IN MATED AREA, 2.54µm [ .000100] MIN TIN OR TIN-LEAD FOR A LENGTH OF 3.56 [ .140] MIN FROM OPPOSITE END, BOTH OVER 1.27µm [ .000050] MIN NICKEL. EYELETS: 2.54µm [ .000100] MIN TIN-LEAD OR TIN OVER COPPER FLASH. SHELL: 2.54µm [ .000100] MIN TIN OVER 1.27µm [ .000050] MIN COPPER. THREADED INSERTS: CLEAR CHROMATE. BOARDLOCKS: 3.81µm [ .000150] MIN TIN-LEAD OVER 1.27µm [ .000050] MIN NICKEL.
4. DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
5. POSITION TOLERANCE APPLIES AT CONTACT TIP.
6. BOARDLOCKS WILL ACCEPT .062 MAX PRINTED CIRCUIT BOARD THICKNESS.
7. COMPATIBLE WITH TYPICAL HIGH TEMPERATURE SOLDERING APPLICATIONS TO A MAXIMUM OF 225°C FOR A MAXIMUM DURATION OF 90 SECONDS. TEMPERATURE TO BE MEASURED ON CONNECTOR SURFACE.
8. 788796-4 DOES NOT HAVE BOARDLOCKS.
9. SOCKET CONTACTS: GOLD PLATED FOR A LENGTH OF 1.27 [ .050] MIN FROM MATING END, 0.76µm [ .000030] MIN GOLD IN MATED AREA, 2.54µm [ .000100] MIN TIN OR TIN-LEAD FOR A LENGTH OF 3.56 [ .140] MIN FROM OPPOSITE END, BOTH OVER 1.27µm [ .000050] MIN NICKEL. EYELETS: 2.54µm [ .000100] MIN TIN-LEAD OR TIN OVER COPPER FLASH. SHELL: 2.54µm [ .000100] MIN TIN OVER 1.27µm [ .000050] MIN COPPER. THREADED INSERTS: CLEAR CHROMATE. BOARDLOCKS: 3.81µm [ .000150] MIN TIN OVER 1.27µm [ .000050] MIN NICKEL.
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|   |           |        |            |
|---|-----------|--------|------------|
| 8 | TRAYS     | 10     | 6-788796-8 |
|   | TRAYS     | 9      | 6-788796-7 |
|   | TRAYS     | 3      | 788796-4   |
|   | TUBES     | 2      | 788796-3   |
|   | TRAYS     | 3      | 788796-2   |
|   | TRAYS     | 2      | 788796-1   |
|   | PACKAGING | FINISH | PART NO    |

|                                                                                                                                    |  |  |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| 11. IT IS AGREED TO COMPLY AND THE CONTROLLING ENGINEER/INSPECTOR SHALL BE NOTIFIED BY E-MAIL IMMEDIATELY.<br>OTHERWISE SPECIFIED: |  |  |  |  |  |  |  |  |  |
| DIMENSIONS:<br>mm (INCHES)                                                                                                         |  |  |  |  |  |  |  |  |  |
|                                                                                                                                    |  |  |  |  |  |  |  |  |  |
| TOLERANCES: UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±<br>1 PLC ±0.13 (1.005)<br>3 PLC ±<br>4 PLC ±<br>5 PLC ±                         |  |  |  |  |  |  |  |  |  |
| MATERIAL:                                                                                                                          |  |  |  |  |  |  |  |  |  |
| FINISH: $\pm 2^\circ$                                                                                                              |  |  |  |  |  |  |  |  |  |
| SEE TABLE                                                                                                                          |  |  |  |  |  |  |  |  |  |
| DRAWING NO.                                                                                                                        |  |  |  |  |  |  |  |  |  |
| WEIGHT: -                                                                                                                          |  |  |  |  |  |  |  |  |  |
| CUSTOMER DRAWING                                                                                                                   |  |  |  |  |  |  |  |  |  |
| SCALE: 4:1 SHEET 1 OF 1 REV B                                                                                                      |  |  |  |  |  |  |  |  |  |