

# SuperNine® RJ45 CAT 5e connectors

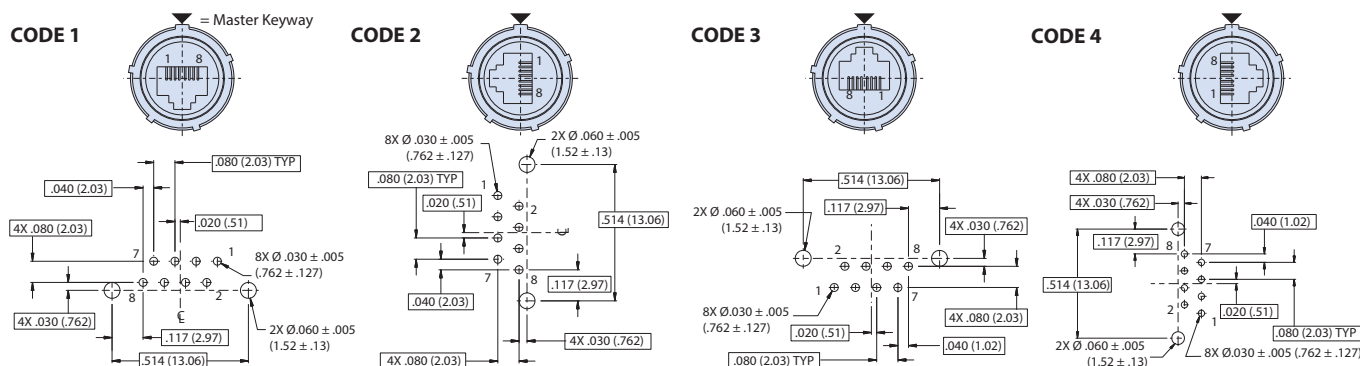
## 233-302 Receptacle with PC tails

### MIL-DTL-38999 Series III Type



| Part Number Development             |                                                                                    |    |    |   |    |    |     |
|-------------------------------------|------------------------------------------------------------------------------------|----|----|---|----|----|-----|
| Sample Part Number                  | 233-302                                                                            | NF | 00 | G | 17 | 5H | N 1 |
| Basic Number                        | 233-302                                                                            |    |    |   |    |    |     |
| Finish                              | See Material and Finish table                                                      |    |    |   |    |    |     |
| Connector Style <sup>1</sup>        | See Connector Style table                                                          |    |    |   |    |    |     |
| Insert-to-Shell Grounding           | - = Inline shielded RJ45 insert<br>G = Shielded and grounded to shell <sup>2</sup> |    |    |   |    |    |     |
| Shell Size                          | 17 or 19                                                                           |    |    |   |    |    |     |
| RJ45 Category                       | 5H = CAT 5e<br>For Cat 6A applications consult factory                             |    |    |   |    |    |     |
| Alternate Key Position <sup>1</sup> | Per MIL-DTL-38999 A, B, C, D, E, N = Normal                                        |    |    |   |    |    |     |
| RJ45 Orientation                    | 1, 2, 3, or 4                                                                      |    |    |   |    |    |     |

## RJ45 ORIENTATION OPTIONS AND PCB LAYOUT



| Connector Style <sup>1</sup> |                                               |
|------------------------------|-----------------------------------------------|
| 00                           | Wall mount receptacle with slotted holes      |
| 07                           | rear panel mount, jam nut receptacle          |
| D0                           | Wall mount receptacle with round holes        |
| CM                           | Wall mount receptacle with metric clinch nuts |

| Material and Finish |                              |
|---------------------|------------------------------|
| NF                  | Aluminum/Cadmium, Olive Drab |
| ME                  | Aluminum/Electroless Nickel  |
| MT                  | Aluminum/Nickel PTFE         |
| ZR                  | Aluminum/Black Zinc-Nickel   |

| Jam Nut Dimensions |               |               |               |             |
|--------------------|---------------|---------------|---------------|-------------|
| Shell Size         | Dia K         | L             | M Flat        | P           |
| 17                 | 1.764 (44.81) | 1.642 (41.71) | 1.191 (30.25) | .090 (2.29) |
|                    | 1.740 (44.20) | 1.610 (40.89) | 1.181 (30.00) | .080 (2.03) |
| 19                 | 1.949 (49.50) | 1.827 (46.41) | 1.316 (33.43) | .150 (3.81) |
|                    | 1.925 (48.90) | 1.795 (45.59) | 1.306 (33.17) | .140 (3.56) |
|                    |               |               |               |             |

| Wall Mount Receptacle Dimensions |               |               |               |                    |             |             |             |              |
|----------------------------------|---------------|---------------|---------------|--------------------|-------------|-------------|-------------|--------------|
| Shell Size                       | B Sq          | B' Sq         | C BSC         | D BSC <sup>3</sup> | E           | F           | G'          | Ø H Holes    |
| 17                               | 1.323 (33.60) | 1.437 (36.50) | 1.062 (26.97) | .969 (24.61)       | .136 (3.45) | .202 (5.13) | .122 (3.10) | 0.136 (3.45) |
|                                  | 1.299 (32.99) | 1.397 (35.48) |               |                    | .120 (3.05) | .186 (4.72) | .083 (2.11) | 0.120 (3.05) |
| 19                               | 1.449 (36.80) | 1.531 (38.89) | 1.156 (29.36) | 1.062 (26.97)      |             |             | .153 (3.89) |              |
|                                  | 1.425 (36.20) | 1.491 (37.87) |               |                    |             |             | .114 (2.90) |              |

## NOTES

- See Section A for alternate key/keyway positions and panel cutout dimensions
- G option is inline shielded and grounded to shell, available for receptacle only
- Front panel mount only
- Meets IP67 in unmated condition, IP68 mated
- Receptacle connector has RJ45 jack

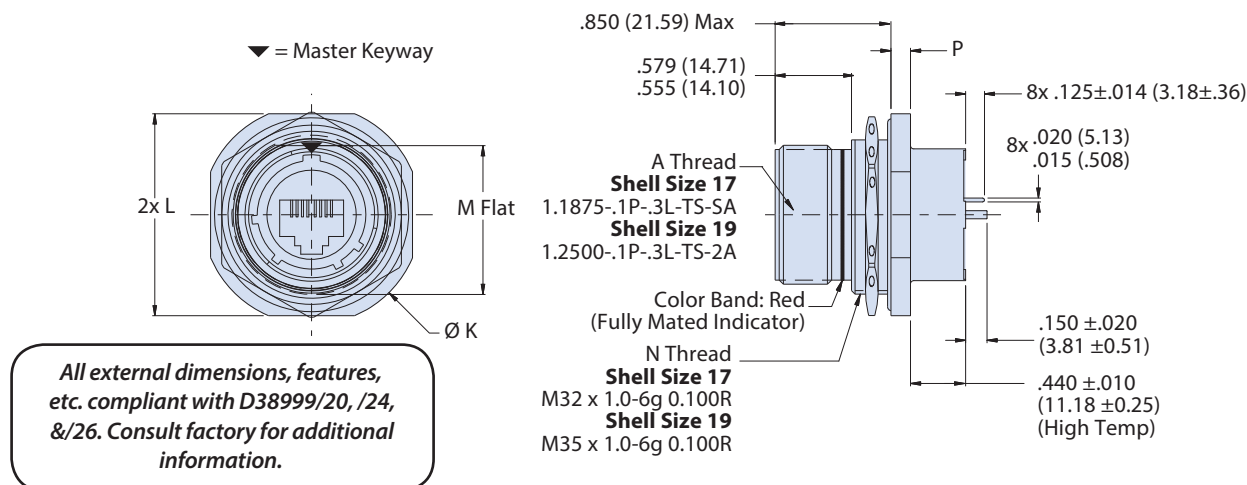
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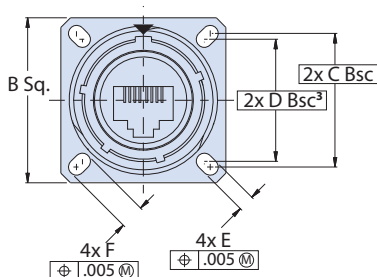


#### 07 - REAR PANEL MOUNT, JAM NUT RECEPTACLE

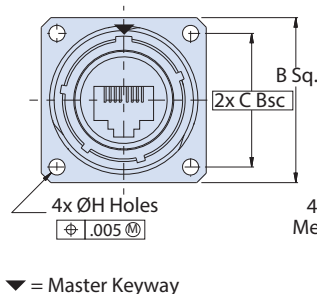


#### 00, D0, CM AND CS - WALL MOUNT RECEPTACLES

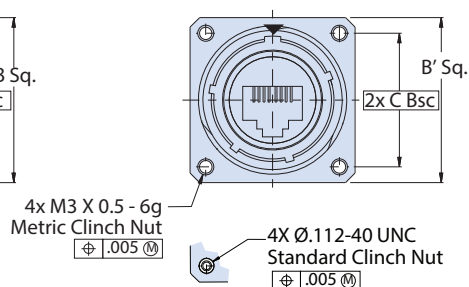
**00 - Wall Mount Receptacle with Slotted Holes (Mating Face)**



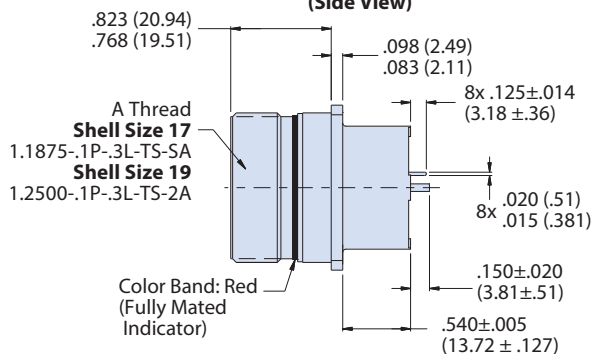
**D0 - Wall Mount Receptacle with Round Holes (Mating Face)**



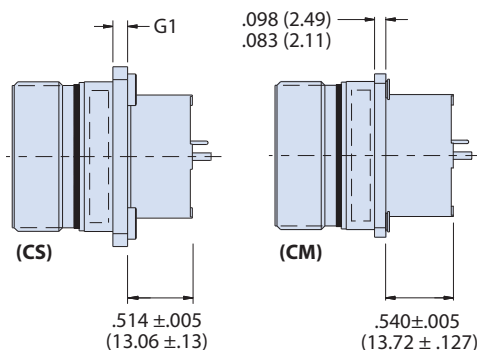
**CM & CS - Wall Mount Receptacle with Metric/Std Clinch Nuts (Mating Face)**



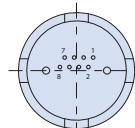
**00 and D0 - Wall Mount Receptacle (Side View)**



**CS and CM - Wall Mount Receptacle (Side View)**



**Rear View**



For all 233-302 receptacle styles position rotates relative to code (Code 1 shown)