



USB 2.0 TYPE A

# MIL-DTL-38999 Series III Type Connectors



233-340 Coupler with Accessory Threads and USB  
Male-to-Female (Plug) or Female-to-Female (Receptacle)



Plug  
Front View



Square Flange  
Receptacle  
Front View



Jam Nut Receptacle  
Front View

| How to Order                        |                                             |    |    |     |   |   |   |   |   |   |
|-------------------------------------|---------------------------------------------|----|----|-----|---|---|---|---|---|---|
| Sample Part Number                  | 233-340                                     | NF | 00 | -15 | 2 | A | A | N | H | T |
| Basic Number                        | 233-340                                     |    |    |     |   |   |   |   |   |   |
| Finish                              | See Material and Finish table               |    |    |     |   |   |   |   |   |   |
| Connector Style <sup>1</sup>        | See Connector Style table                   |    |    |     |   |   |   |   |   |   |
| Shell Size                          | 15                                          |    |    |     |   |   |   |   |   |   |
| USB Performance                     | 2 = USB 2.0                                 |    |    |     |   |   |   |   |   |   |
| USB Front Interface                 | A = Type A                                  |    |    |     |   |   |   |   |   |   |
| USB Back Interface                  | A = Type A                                  |    |    |     |   |   |   |   |   |   |
| Alternate Key Position <sup>1</sup> | A, B, C, D, E, N = Normal per MIL-DTL-38999 |    |    |     |   |   |   |   |   |   |
| USB Orientation                     | H = Horizontal V = Vertical                 |    |    |     |   |   |   |   |   |   |
| Shrink Boot                         | T = Part No. 770-028 (Omit for None)        |    |    |     |   |   |   |   |   |   |

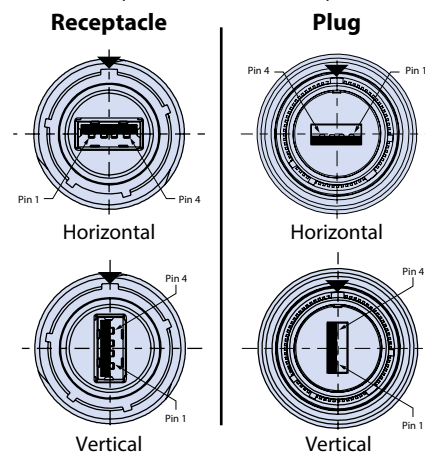
| Connector Style |                                                       |
|-----------------|-------------------------------------------------------|
| G6              | Plug                                                  |
| 07              | Rear panel mount, jam nut receptacle                  |
| 00              | Wall mount receptacle with slotted holes <sup>2</sup> |
| D0              | Wall mount receptacle with round holes                |
| CM              | Wall mount receptacle with metric clinch nuts         |

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

All external dimensions, features, etc. compliant with D38999/20, /24, &/26. Consult factory for additional information.

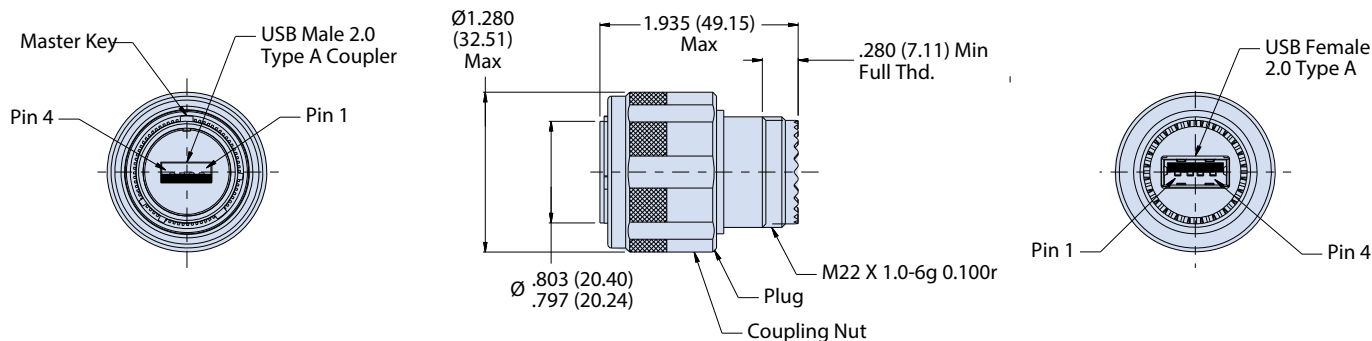
| USB 2.0 Wiring |         |                   |             |                              |
|----------------|---------|-------------------|-------------|------------------------------|
| Pin            | Name    | Cable Color (USB) | Description | Recommended Wire Sizes (AWG) |
| 1              | (V Bus) | Red               | +5 V        | 22                           |
| 2              | (D-)    | White             | Data -      | 28                           |
| 3              | (D+)    | Green             | Data +      | 28                           |
| 4              | (GND)   | Black             | Ground      | 22                           |

USB Orientation Options  
(Partial Views Shown)



▼ = Master Keyway (receptacle) or Key (plug)

## G6 - PLUG WITH ACCESSORY THREADS





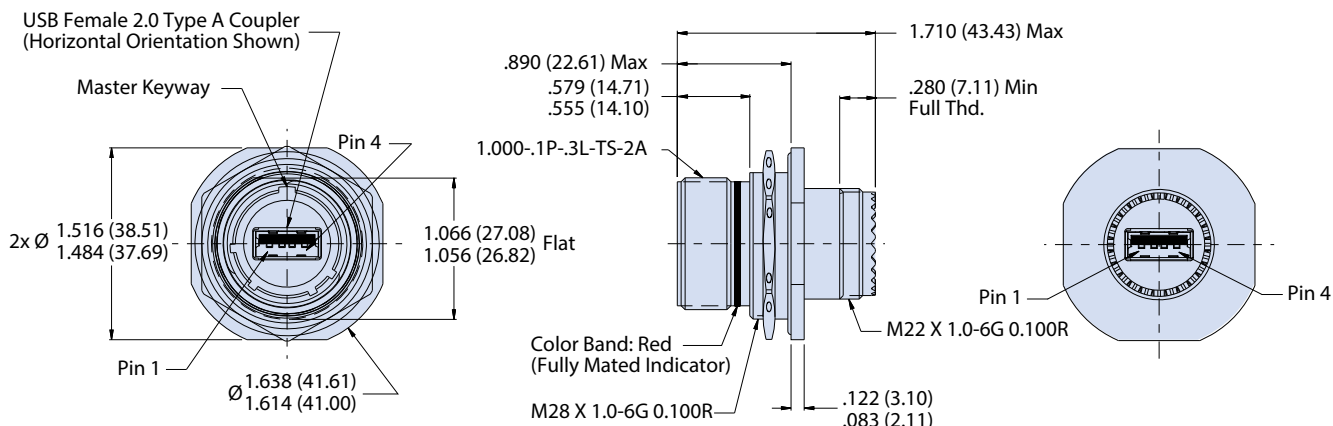
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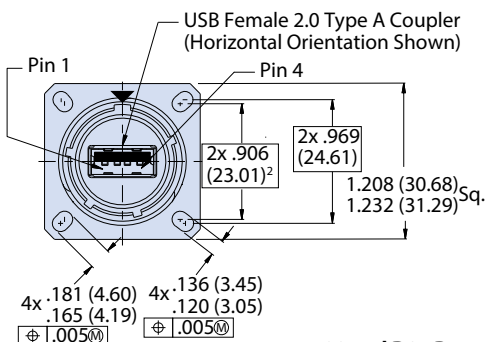
## 233-340 Coupler with Accessory Threads and USB Male-to-Female (Plug) or Female-to-Female (Receptacle)

### 07 - REAR PANEL MOUNT, JAM NUT RECEPTACLE WITH ACCESSORY THREADS

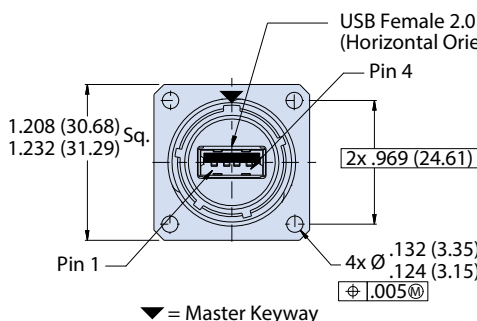


### 00, DO AND CM - WALL MOUNT RECEPTACLES WITH ACCESSORY THREADS

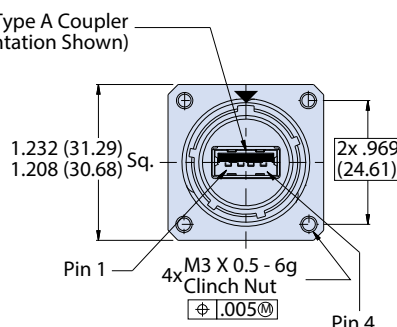
#### 00 - Slotted Hole Receptacle Face View



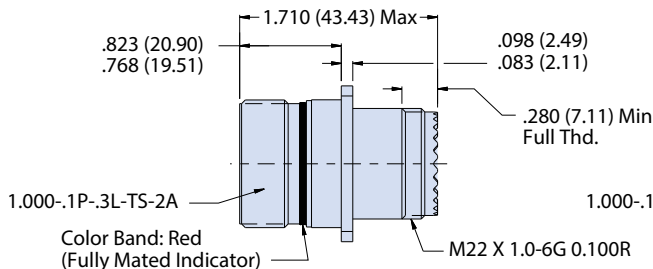
#### DO - Round Hole Receptacle Face View



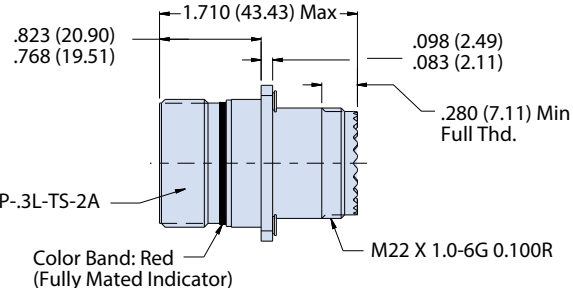
#### CM - Clinch Hole Receptacle Face View



#### 00 and DO - Receptacle Side View



#### CM - Receptacle Side View



### NOTES

- See Section A for alternate key positions, panel cutout dimensions
- Connector style 00 with slotted holes is front panel mount only
- Meets IP67 in unmated condition, IP68 mated
- Material and finish
  - Shell, jam nut: al alloy
  - Insulators: high grade rigid dielectric/n.a.
- Contacts: copper alloy, gold plated
- Seals: silicone based elastomer
- USB (shell/contacts): copper alloy
- Dielectric: hi-temp thermoplastic PA9T UL94V-0
- Hardware: stainless steel /passivated