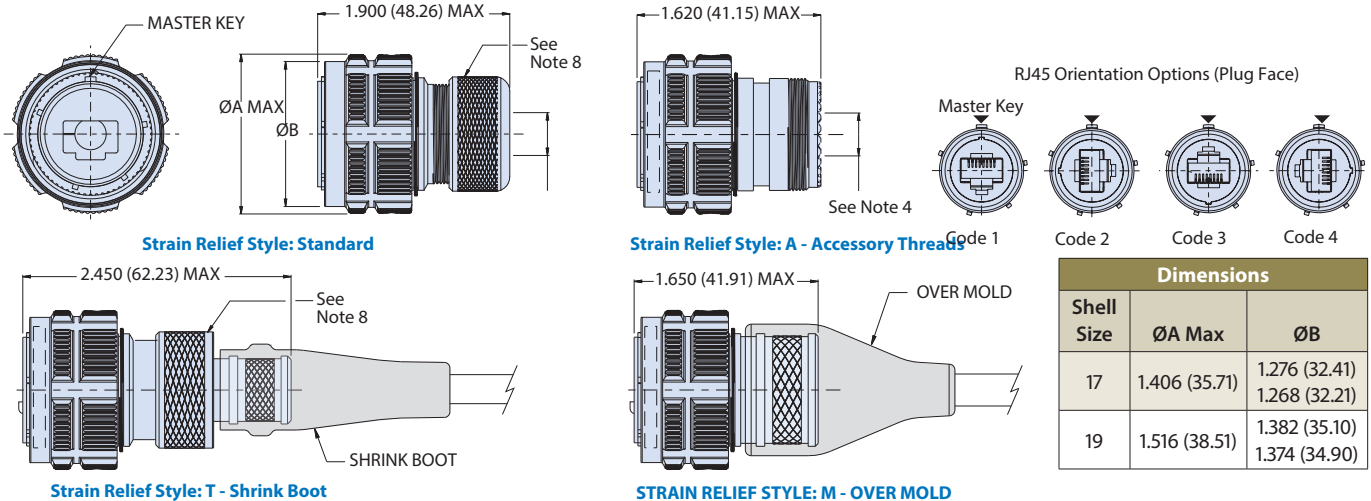


233-312 Plug with accessory threads
MIL-DTL-38999 Series III

Part Number Development	
Sample Part Number	233-312 NF G6 - 17 6A N 1
Series / Basic Part No.	233-312 = Cat 6A interface for D38999 type shell
Material/Finish	NF = Aluminum/cadmium olive drag Contact factory for additional options MT = Aluminum/nickel PTFE ME = Aluminum/electroless nickel ZR = Aluminum/zinc-nickel
Connector Style	G6 = Plug
Plug Options	(-) = CAT 6A (28 AWG) A = CAT 6A (22-24 AWG)
Shell Size	17 and 19
RJ45 Category	6A = Cat 6A
Alternate Polarization	A, B, C, D, E, N = Normal; Per MIL-DTL-38999
RJ45 Orientation	1, 2, 3, 4
Strain Relief Style	A = Accessory threads (accepts standard D38999 backshells) T = Shrink boot M = Over mold Omit for standard
Cable OD	W = Large cable OD up to .400 (10.16) Omit for cable OD .187/.312 (4.75/7.92)



NOTES

- | <p>1. Material/finish:</p> <ul style="list-style-type: none"> • Barrel, coupling nut: see part number development. Composite coupling nut no plating required. • Insulators: high grade rigid dielectric/ N.A. • Seals: silicone based elastomer • Hardware: stainless steel/passivated <p>2. RJ45 plug specifications:</p> <ul style="list-style-type: none"> • RJ45 plug cable maintains shield continuity • RoHS compliant | <p>Electrical</p> <ul style="list-style-type: none"> • Current rating: 1 amp • D.W.V.: 1000V DC/min • I.R.: 500 Mega ohms minimum @ 1000V DC • Operating temperature range: -20°C to +85°C <p>3. Meets IP68 in mated condition</p> <p>4. Design accommodates cable outside diameter 0.187 (4.750) to 0.400 (10.16)</p> <p>5. Design accommodates CAT 6A RJ45 modular plugs:
 (-) = CAT 6A, 28 AWG
 A = CAT 6A, 22-24 AWG</p> | <p>6. See assembly instructions AI233-312 for cable termination and connector assembly. Assembly instructions to be kitted with each shipment</p> <p>7. CAT 6A modular plugs packaged loose for each plug connector.</p> <p>8. Recommended torque value for different cable outside diameter.</p> <table border="1"> <thead> <tr> <th>Cable OD (in)</th> <th>.187/.225</th> <th>.225/.275</th> <th>.275/.312</th> <th>.312/.400</th> </tr> </thead> <tbody> <tr> <td>Torque (in/lbs)</td> <td>20.6</td> <td>18.3</td> <td>12.6</td> <td>10</td> </tr> </tbody> </table> | Cable OD (in) | .187/.225 | .225/.275 | .275/.312 | .312/.400 | Torque (in/lbs) | 20.6 | 18.3 | 12.6 | 10 |
|---|--|---|---------------|-----------|-----------|-----------|-----------|-----------------|------|------|------|----|
| Cable OD (in) | .187/.225 | .225/.275 | .275/.312 | .312/.400 | | | | | | | | |
| Torque (in/lbs) | 20.6 | 18.3 | 12.6 | 10 | | | | | | | | |