

# SuperNine® RJ45 CAT 6A

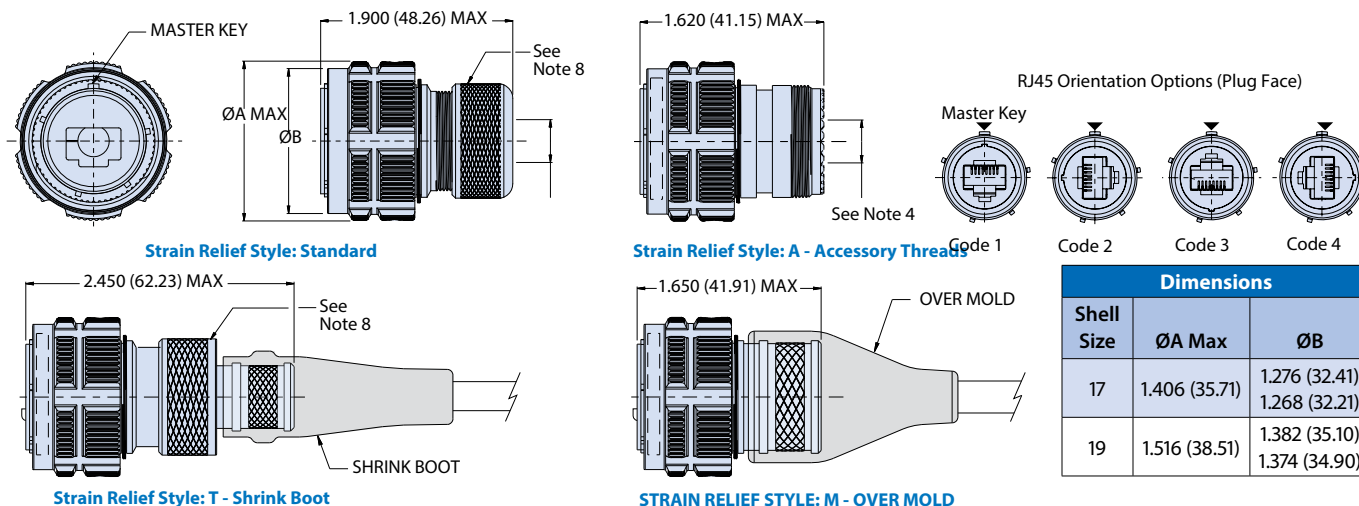
## MIL-DTL-38999 Series III Type connectors

### 233-312 Plug with accessory threads



RJ45 CAT5E AND 6A CONNECTORS

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



### NOTES

- Material/finish:
  - 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
- RJ45 plug specifications:
  - RJ45 plug cable maintains shield continuity
  - RoHS compliant
- Electrical
  - 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
- Meets IP68 in mated condition
- Design accommodates cable outside diameter 0.187 (4.750) to 0.400 (10.16)
- Design accommodates CAT 6A RJ45 modular plugs:
  - (-) = CAT 6A, 28 AWG
  - A = CAT 6A, 22-24 AWG
- See assembly instructions AI233-312 for cable termination and connector assembly. Assembly instructions to be kitted with each shipment
- CAT 6A modular plugs packaged loose for each plug connector.
- Recommended torque value for different cable outside diameter.

Cable OD (in)	.187/.225	.225/.275	.275/.312	.312/.400
Torque (in/lbs)	20.6	18.3	12.6	10