

MIL-DTL-38999 Series I Type
231-213 Sav-Con® connector saver, plug-to-receptacle interface

ENVIRONMENTAL CONNECTORS



**“BETTER THAN QPL”
FEATURES AND BENEFITS**

- Improved, positive-lock, 3-point stainless-steel pin bayonet coupling with outstanding vibration and shock resistance
- Plug ground fingers for advanced EMC
- Glenair Signature tin zinc finish class is RoHS compliant and cadmium compatible
- Precision-machined key/keyway polarization for reliable mismatching protection
- Expanded receptacle styles include Clinch-nut and Helicoil mounting, and In-Line configurations
- Scoop-proof design prevents pin damage and short circuits
- Fully tooled for all MIL-STD-1560 insert arrangements
- Contact options include size #22D, #20, #16, and #12 (see High-Speed series for Size #8)
- 500+ mating cycles exceeds MIL-DTL-38999 specification

HOW TO ORDER								
Sample Part Number	231-213	-NF	17	-8	P	N	S	N
Basic Part Number	231-213							
Material/Finish	(See Table I)							
Connector Size	9, 11, 13, 15, 17, 19, 21, 23, 25							
Insert Arrangement	PER MIL-STD-1560							
Contact Style (Plug Side)	P = Pin, Gold, 500 Cycles S = Socket, Gold, 500 Cycles							
Alternate Polarization	A, B, C, D, E, N = Normal, U = Universal							
Contact Style (Receptacle Side)	P = Pin, Gold, 500 Cycles S = Socket, Gold, 500 Cycles							
Alternate Polarization	A, B, C, D, E, N = Normal, U = Universal							

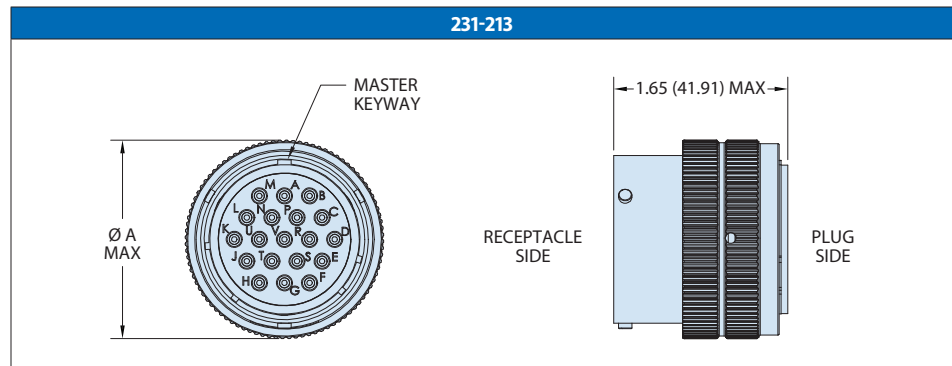


TABLE II	
Shell Size	Ø A Max
9	0.859 (21.82)
11	0.984 (24.99)
13	1.156 (29.36)
15	1.281 (32.54)
17	1.406 (35.71)
19	1.516 (38.51)
21	1.641 (41.68)
23	1.766 (44.86)
25	1.891 (48.03)

POWER SPECIFICATIONS

- Max operating temperature is 200°C finish dependent
- Meets Mil-Spec service rating, insert dependent

TABLE I - MATERIAL/FINISH		
Sym	Material	Finish
NF	Aluminum Alloy	Cad/O.D. Over Electroless Nickel
MA		Electroless Nickel, Matte
ME		Electroless Nickel
MN		Tri-Nickel Alloy
MT		Nickel-PTFE
TZ		Tin Zinc Over Electroless Nickel
ZN		Zinc-Nickel Olive Drab
ZR		Zinc Ni, Black (Tri-Valent Cr)
TD	Titanium (Td)	Natural - No Plate
Z1	Stainless Steel (SST)	Passivate
ZL		Electrodeposited Nickel
AB	Marine Bronze (MB)	None (Clean Only)