

THREADED COUPLING, MIL-DTL-5015 TYPE Harsh Environment Power and Signal Interconnects



253-506 Environmental Quick Disconnect Push/Pull Plug MIL-DTL-5015 Series III Type

ENVIRONMENTAL CONNECTORS



NOTES:

1. Assembly to be identified with Glenair part number, and date code.
2. Material/finish:
 - Connector body: per MS3106A plug
 - Adapter, lanyard sleeve: aluminum alloy/cadium olive drab
 - Lanyard: CRES/passivated nylon jacket
3. Plug is coupled to the receptacle by pulling coupling ring rearward and then pushing the receptacle forward. Plug is uncoupled by a straight axial pull of lanyard
4. Connector 253-506 mates to an MS3102A connector with quick disconnect adapter attached - P/N 687-329-XX (to be ordered separately).
5. For shell size 32, 36, 40, 44, and 48 consult factory
6. Contact factory for additional insert arrangements and backshell options
7. Consult factory for backshell options

TABLE I: MATERIAL / FINISH

Sym	Finish
Aluminum Alloy	
B	Cadmium Plate / Olive Drab
M	Electroless Nickel
N	Cad Plate / Olive Drab over Nickel Plate
NF	Cad / O.D. over Electroless Nickel (500 hr. Salt Spray)
Stainless Steel	
ZU	Black Cad / Nickel Strike
ZW	Olive Drab Cad / Nickel
Z1	Passivated
ZL	Electrodeposited Nickel

HOW TO ORDER

Sample Part Number	253-506	-14S	-5	P	W
Basic Part Number	253-506 = push/pull plug				
Material/Finish	B, M, N, NF, ZU, ZW, Z1, ZL; see Table I				
Insert Arrangement Dash No	Shell size - insert arrangements per MIL-STD-1651 on page 2				
Contact Type	P = pins PS = pin on panel side / socket opposite S = sockets SP = socket on panel side / pin opposite				
Alternate Insert Position	W, X, Y, Z, Omit for normal; alternate insert positions on page 4				

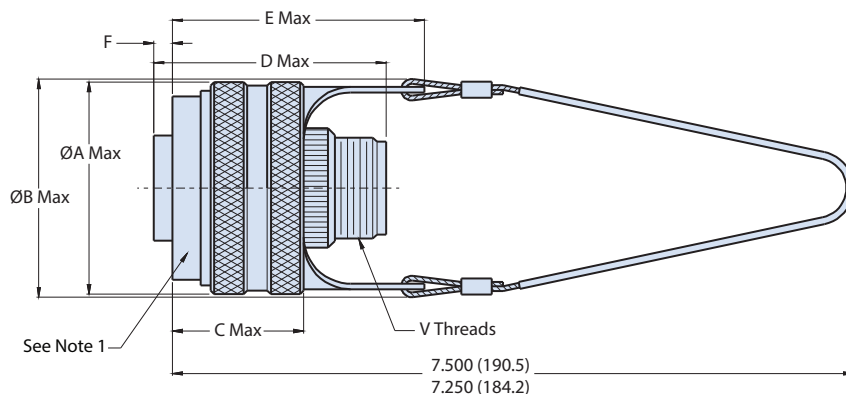


TABLE I: CONNECTOR DIMENSIONS

Shell Size	V Thread Class 2A	Ø A Max	Ø B Max	C Max	D Max	E Max	F Dim
8S	.500-28 UNEF-2A	1.040 (26.4)	1.320 (33.5)	.740 (18.8)	1.469 (37.3)	1.700 (43.2)	.089-.161 (2.3-4.1)
10S	.500-28 UNEF-2A	1.165 (29.6)	1.445 (36.7)	.740 (18.8)	1.531 (38.9)	1.700 (43.2)	.089-.161 (2.3-4.1)
10SL	.625-24 NEF-2A	1.165 (29.6)	1.445 (36.7)	.740 (18.8)	1.531 (38.9)	1.700 (43.2)	.089-.161 (2.3-4.1)
12	.625-20 NEF-2A	1.290 (32.8)	1.570 (39.9)	.740 (18.8)	2.062 (52.4)	1.700 (43.2)	.027-.099 (0.7-2.5)
12S	.625-24 NEF-2A	1.290 (32.8)	1.570 (39.9)	.740 (18.8)	1.688 (42.9)	1.700 (43.2)	.089-.161 (2.3-4.1)
14	.750-20 UNEF-2A	1.415 (35.9)	1.695 (43.1)	.740 (18.8)	2.062 (52.4)	1.700 (43.2)	.027-.099 (0.7-2.5)
14S	.750-20 UNEF-2A	1.415 (35.9)	1.695 (43.1)	.740 (18.8)	1.688 (42.9)	1.700 (43.2)	.089-.161 (2.3-4.1)
16	.6875-20 UNEF-2A	1.540 (39.1)	1.820 (46.2)	.740 (18.8)	2.062 (52.4)	1.700 (43.2)	.027-.099 (0.7-2.5)
16S	.6875-20 UNEF-2A	1.540 (39.1)	1.820 (46.2)	.740 (18.8)	1.688 (42.9)	1.700 (43.2)	.089-.161 (2.3-4.1)
18	1.000-20 UNEF-2A	1.665 (42.3)	1.945 (49.4)	.880 (22.4)	2.062 (52.4)	1.850 (47.0)	.027-.099 (0.7-2.5)
20	1.1875-18 UNEF-2A	1.780 (45.2)	2.060 (52.3)	.880 (22.4)	2.188 (55.6)	1.850 (47.0)	.027-.099 (0.7-2.5)
22	1.1875-18 UNEF-2A	1.910 (48.5)	2.190 (55.6)	.880 (22.4)	2.188 (55.6)	1.850 (47.0)	.027-.099 (0.7-2.5)
24	1.4375-18 UNEF-2A	2.040 (51.8)	2.274 (57.8)	.950 (24.1)	2.312 (58.7)	1.920 (48.8)	.027-.099 (0.7-2.5)
28	1.4375-18 UNEF-2A	2.240 (56.9)	2.520 (64.0)	.950 (24.1)	2.312 (58.7)	1.920 (48.8)	.027-.099 (0.7-2.5)

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