

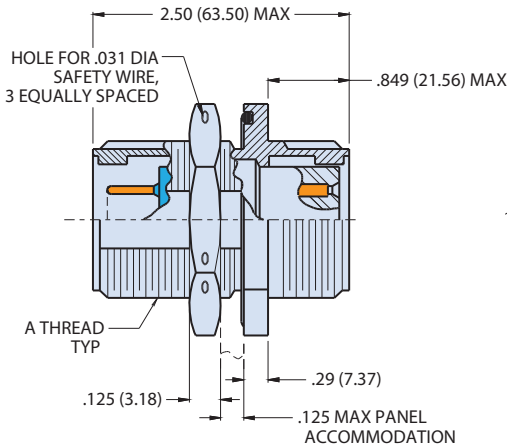
THREADED COUPLING, MIL-DTL-5015 TYPE Harsh Environment Power and Signal Interconnects



253-507 Environmental Bulkhead Feed-Thru, Jam-Nut Mount MIL-DTL-5015 Series III Type

- NOTES:**
- Assembly identified with manufacturer's name and P/N, space permitting
 - Material/Finish
 - Shell: see Table II
 - Contacts: copper alloy / gold plate
 - Insulators: high-grade rigid dielectric
 - O-rings & seals: silicone
 - Glenair bulkhead feedthru is designed to mate with any QPL manufacturers MIL-DTL-5015, Series III Mating plug connector having the same shell size, insert arrangement, and polarization.
 - Insert arrangement is in accordance with MIL-STD-1651, contact manufacturer for additional arrangement options.
 - For pin/pin and skt/skt, symmetrical layout only. Consult factory for available insert arrangements.
 - Power to a given contact on one end will result in power to Contact directly opposite, regardless of identification letter.
 - Electrical safety limits must be established by user. Peak voltage, switching surge, transient, etc., should be used to determine safety of application.

HOW TO ORDER					
Sample Part Number	253-507	M	-5	P	W
Basic Part Number	253-507 = jam-nut mount bulkhead feedthru				
Material/Finish	B, M, N, NF; see Table I				
Insert Arrangement Dash No	Shell size - insert arrangements per MIL-STD-1651 on page 2				
Contact Type	P = pin PS = pin on panel side / socket opposite S = socket SP = socket on panel side / pin opposite				
Alternate Insert Position	W, X, Y, Z, Omit for normal; alternate insert positions on page 4				



- NOTES (CONT):**
- Contact factory for additional insert arrangements and backshell options

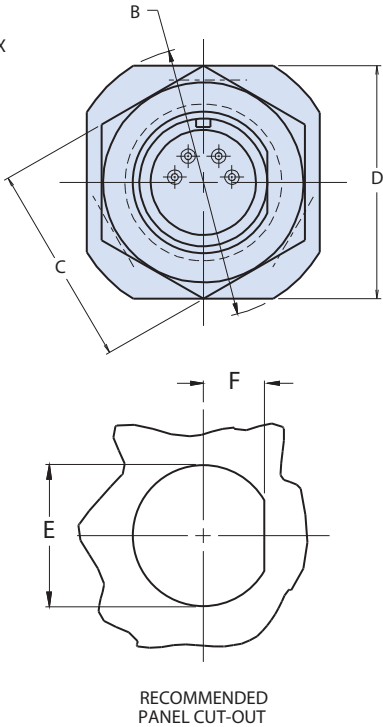


TABLE I: DIMENSIONS						
SHELL SIZE	A THREAD CLASS 2A	B DIA MAX	C HEX	D FLATS	E DIA ±.005(±0.1)	F DIM MIN
8S	1/2-28 UNEF	1.000 (25.4)	.688 (17.5)	.875 (22.2)	.510 (13.0)	.219 (5.6)
10SL	5/8-24 UNEF	1.125 (28.6)	.812 (20.6)	1.000 (25.4)	.635 (16.1)	.281 (7.1)
12	3/4-20 UNEF	1.250 (31.8)	.938 (23.8)	1.125 (28.6)	.760 (19.3)	.344 (8.7)
12S	3/4-20 UNEF	1.250 (31.8)	.938 (23.8)	1.125 (28.6)	.760 (19.3)	.344 (8.7)
14	7/8-20 UNEF	1.375 (34.9)	1.062 (27.0)	1.250 (31.8)	.885 (22.5)	.406 (10.3)
14S	7/8-20 UNEF	1.375 (34.9)	1.062 (27.0)	1.250 (31.8)	.885 (22.5)	.406 (10.3)
16	1-20 UNEF	1.500 (38.1)	1.250 (31.8)	1.375 (34.9)	1.010 (25.7)	.469 (11.9)
16S	1-20 UNEF	1.500 (38.1)	1.250 (31.8)	1.375 (34.9)	1.010 (25.7)	.469 (11.9)
18	1 1/8-18 UNEF	1.750 (44.5)	1.375 (34.9)	1.625 (41.3)	1.135 (28.8)	.531 (13.5)
20	1 1/4-18 UNEF	1.875 (47.6)	1.500 (38.1)	1.750 (44.5)	1.260 (32.0)	.594 (15.1)
22	1 3/8-18 UNEF	2.000 (50.8)	1.625 (41.3)	1.875 (47.6)	1.385 (35.2)	.656 (16.7)
24	1 1/2-18 UNEF	2.188 (55.6)	1.750(44.5)	2.000 (50.8)	1.510 (38.4)	.719 (18.3)
28	1 3/4-18 UNEF	2.438 (61.9)	2.000 (50.8)	2.250 (57.2)	1.760 (44.7)	.844 (21.4)
32	2-18 UNEF	2.688 (68.3)	2.250 (57.2)	2.500 (63.5)	2.010 (51.1)	.969 (24.6)
36	2 1/4-16 UN	2.938 (74.6)	2.500 (63.5)	2.750 (69.9)	2.260 (57.4)	1.089 (27.7)
40	2 1/2-16 UN	3.188 (81.0)	2.750 (69.9)	3.000 (76.2)	2.510 (63.8)	1.219 (31.0)
44	2 3/4-16 UN	3.438 (87.3)	3.000 (76.2)	3.250 (82.6)	2.760 (70.1)	1.344 (34.1)
48	3-16 UN	3.688(93.7)	3.250(82.6)	3.500(88.9)	3.010(76.5)	1.469(37.3)

TABLE II: 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)
TZ	Tin zinc, yellow to brown chromate, RoHS
MT	Nickel-PTFE
Stainless Steel	
ZU	Black Cad / Nickel Strike
ZTZ	Tin zinc, yellow to brown chromate, RoHS