

947-117
Bulkhead Feed-Thru, Hermetic, Jam Nut,
.250/.500ⁱⁿ Panel
MIL-DTL-38999 Series I

HOW TO ORDER:

EXAMPLE: 947 - 117 - 21 - 35 B P 01

PRODUCT SERIES ————

BASIC NO ————

SHELL SIZE, TABLE I ————

INSERT ARRANGEMENT DASH NO ————

ALTERNATE POSITION, MIL-DTL-38999, SER-I
 A,B,C,D OMIT FOR NORMAL

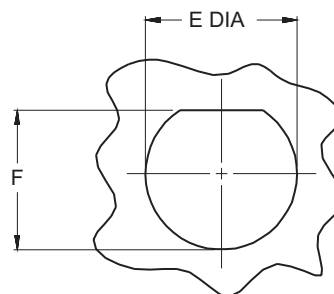
P = PIN ON JAM NUT SIDE ————

S = SOCKET ON JAM NUT SIDE ————

PP = PIN TO PIN $\frac{2}{3}$

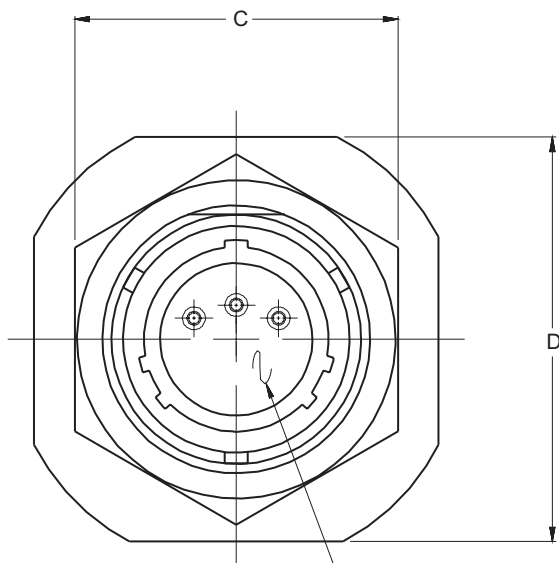
DASH NO, TABLE II ————

PANEL THICKNESS ————

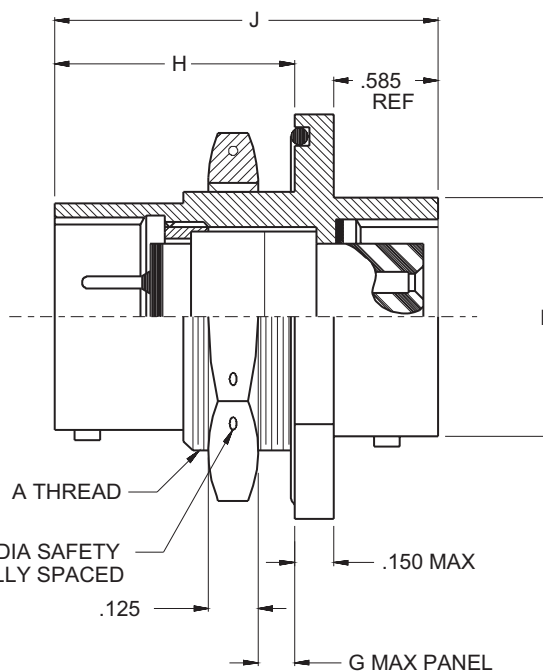


RECOMMENDED PANEL CUT-OUT

DIRECTION OF
 PRESSURE →



INSERT ARRANGEMENT, PER
 MIL-DTL-38999, SERIES I



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MIL-DTL-38999

TABLE I: CONNECTOR DIMENSIONS						
SHELL SIZE	A THREAD CLASS 2A	B DIA MAX	C HEX	D FLATS	E DIA ±.005 (0.1)	F +.000-.005 (0 - 0.1)
09	11/16-24 UNEF	.573 (14.6)	.875 (22.2)	1.062 (27.0)	.703 (17.9)	.669 (17.0)
11	13/16-20 UNEF	.701 (17.8)	1.000 (25.4)	1.250 (31.8)	.827 (21.0)	.769 (19.5)
13	1 -20 UNEF	.851 (21.6)	1.188 (30.2)	1.375 (34.9)	1.015 (25.8)	.955 (24.3)
15	1 1/8-18 UNEF	.976 (24.8)	1.312 (33.3)	1.500 (38.1)	1.140 (29.0)	1.084 (27.5)
17	1 1/4-18 UNEF	1.101 (28.0)	1.438 (36.5)	1.625 (41.3)	1.265 (32.1)	1.208 (30.7)
19	1 3/8-18 UNEF	1.208 (30.7)	1.562 (39.7)	1.812 (46.0)	1.390 (35.3)	1.333 (33.9)
21	1 1/2-18 UNEF	1.333 (33.9)	1.688 (42.9)	1.938 (49.2)	1.515 (38.5)	1.459 (37.1)
23	1 5/8-18 UNEF	1.458 (37.0)	1.812 (46.0)	2.062 (52.4)	1.640 (41.7)	1.580 (40.1)
25	1 3/4-18 UNS	1.583 (40.2)	2.000 (50.8)	2.188 (55.6)	1.765 (44.8)	1.709 (43.4)

TABLE II: PANEL THICKNESS			
DASH NO	G MAX	H MAX	J MAX
01	.250 (6.4)	1.06 (26.9)	1.79 (45.5)
02	.500 (12.7)	1.31 (33.3)	2.04 (51.8)

NOTES:

1. ASSEMBLY IDENTIFIED WITH MANUFACTURER'S NAME AND P/N, SPACE PERMITTING.
2. FOR PIN/PIN AND SKT/SKT, SYMMETRICAL LAYOUTS ONLY, CONSULT FACTORY FOR AVAILABLE INSERT ARRANGEMENTS.
3. POWER TO A GIVEN CONTACT ON ONE END WILL RESULT IN POWER TO CONTACT DIRECTLY OPPOSITE, REGARDLESS OF IDENTIFICATION LETTER.
4. HERMETICITY = LESS THAN 1×10^{-6} CC/SEC AT ONE ATMOSPHERE. NOT FOR USE IN LIQUID ATMOSPHERE.
5. ELECTRICAL SAFETY LIMITS MUST BE ESTABLISHED BY USER, PEAK VOLTAGE, SWITCHING SURGE, TRANSIENT, ETC.. SHOULD BE USED TO DETERMINE THE SAFETY APPLICATION.
6. MATERIAL/FINISH:
 SHELL, LOCK RING, JAM NUT - STAINLESS STEEL/PASSIVATE
 CONTACTS - COPPER ALLOY/GOLD PLATE AND ALLOY 52/GOLD PLATE
 INSULATORS - HIGH-GRADE RIGID DIELECTRIC/N. A. AND FULL GLASS.
 SEALS - SILICONE/N. A.