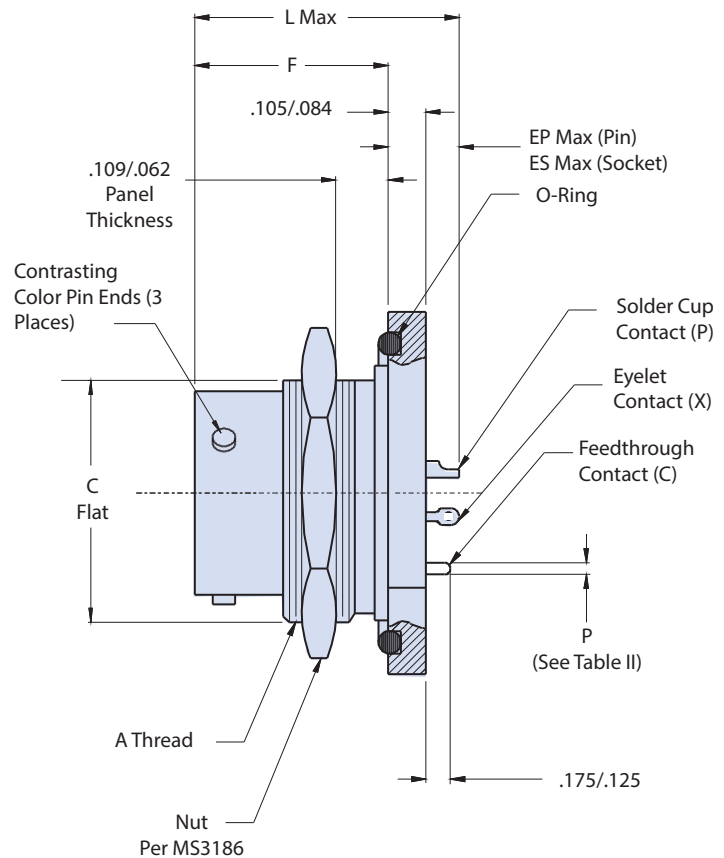
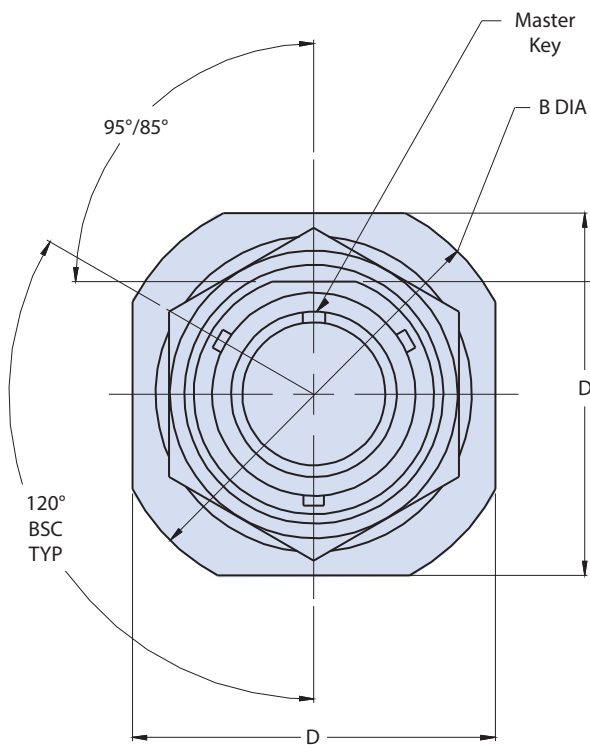


HERMETIC CONNECTORS MIL-DTL-38999 Series II Type



MS27477 Jam-Nut Mount Receptacle

HOW TO ORDER: MS							
Sample Part Number	MS27477	Y	10	N	35	P	A
Basic Part Number	MS27477 = Jam-Nut Mount, Series II						
Class	Y = Hermetic						
Shell Size	8, 10, 12, 14, 16, 18, 20, 22, 24						
Material / Finish	D = Carbon Steel - Fused Tin Finish E = Stainless Steel - Passivate Finish N = Stainless Steel - Nickel Finish						
Insert Arrangement	MIL-DTL-38999 Series II Hermetic Inserts Per MIL-STD-1560						
Contact Termination	P = Pin, Solder Cup X = Pin, Eyelet C = Pin, PCB Flex Feedthrough S = Socket, Solder Cup Z = Socket, Eyelet D = Socket, PCB Flex Feedthrough						
Alternate Key Position	A, B, C, D (Omit = Normal)						



HERMETIC CONNECTORS MIL-DTL-38999 Series II Type



232-100-H7 Jam-Nut Mount Receptacle

HOW TO ORDER: COMMERCIAL							
Sample Part Number	232-100	-H2	Z1	8	-35	P	N
Basic Part Number	232-100 = Jam-Nut Mount Hermetic Receptacle						
Shell Style	H7 = Jam-Nut Mount						
Material / Finish	ZL = CRES, Nickel Z1 = CRES, Passivated FT = Carbon Steel, Fused Tin						
Shell Size	8, 10, 12, 14, 16, 18, 20, 22, 24						
Insert Arrangement	Per MIL-STD-1560						
Contact Termination	P = Pin, Solder Cup		X = Pin, Eyelet		C = Pin, PCB		
	S = Socket, Solder Cup		Z = Socket, Eyelet		D = Socket, PCB		
Alternate Key Position	A, B, C, D (N = Normal)						

WIRE ACCOMODATION	
Contact Size	Wire Gauge
22D	#22 - #28
20	#20 - #24
16	#16 - #20
12	#12 - #14

HERMETIC LEAK RATE MOD CODES	
Designator	Required Leak Rate
-585A	1 x 10 ⁻¹⁰ cc Helium per second
-585B	1 x 10 ⁻⁹ cc Helium per second
-585C	1 x 10 ⁻⁸ cc Helium per second

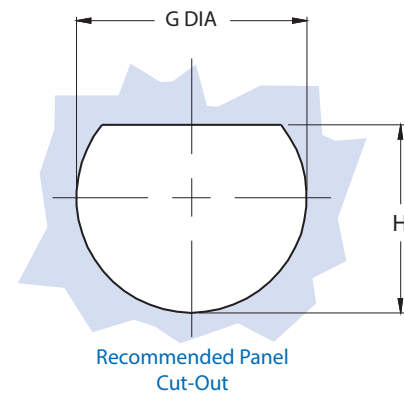


TABLE I: CONNECTOR DIMENSIONS				
SHELL SIZE	A THREAD CLASS 2A	B DIA ±.016(0.4)	C FLAT ±.004(0.1)	D A/F ±.016(0.4)
8/08	.875-20 UNEF	1.375(34.9)	.815(20.7)	1.25(31.8)
10	1.000-20 UNEF	1.5(38.1)	.939(23.9)	1.375(34.9)
12	1.125-18 UNEF	1.625(41.3)	1.063(27.0)	1.5(38.1)
14	1.250-18 UNEF	1.75(44.5)	1.188(30.2)	1.625(41.3)
16	1.375-18 UNEF	1.938(49.2)	1.318(33.5)	1.781(45.2)
18	1.500-18 UNEF	2.016(51.2)	1.438(36.5)	1.890(48.0)
20	1.625-18 UNEF	2.141(54.4)	1.563(39.7)	2.016(51.2)
22	1.750-18 UNS	2.265(57.5)	1.688(42.9)	2.140(54.4)
24	1.875-16 UN	2.39(60.7)	1.813(46.1)	2.265(57.5)

TABLE I (CONTINUED): CONNECTOR DIMENSIONS						
SHELL SIZE	EP MAX	ES MAX	F ±.005(0.1)	G DIA ±.005(0.1)	H ±.005(0.1)	L MAX
8/08	.281 (7.1)	.359 (9.1)	.438(11.1)	.885(22.48)	.830(21.08)	.724(18.4)
10	.281 (7.1)	.359 (9.1)	.438(11.1)	1.010(25.65)	.955(24.26)	.724(18.4)
12	.281 (7.1)	.359 (9.1)	.438(11.1)	1.135(28.83)	1.085(27.56)	.724(18.4)
14	.281 (7.1)	.359 (9.1)	.438(11.1)	1.260(32.01)	1.210(30.73)	.724(18.4)
16	.281 (7.1)	.359 (9.1)	.438(11.1)	1.385(35.18)	1.335(33.91)	.724(18.4)
18	.281 (7.1)	.359 (9.1)	.438(11.1)	1.510(38.35)	1.460(37.08)	.724(18.4)
20	.250 (6.4)	.344 (8.7)	.464(11.8)	1.635(41.53)	1.585(40.26)	.719(18.3)
22	.250 (6.4)	.344 (8.7)	.464(11.8)	1.760(44.70)	1.709(43.42)	.719(18.3)
24	.250 (6.4)	.344 (8.7)	.464(11.8)	1.885(47.88)	1.835(46.61)	.719(18.3)

TABLE II: CONTACT SIZE	
PRINTED CIRCUIT TAIL CONFIGURATIONS CONTACT STYLE C AND D	
SIZE 12 AND SIZE 16	
SIZE 22D AND SIZE 20	
Contact Size	ø P
22D	.011 (0.28) .015 (0.38)
20	.024 (0.61) .028 (0.71)
16	.0635 (1.61) .0615 (1.56)
12	.095 (2.41) .093 (2.36)