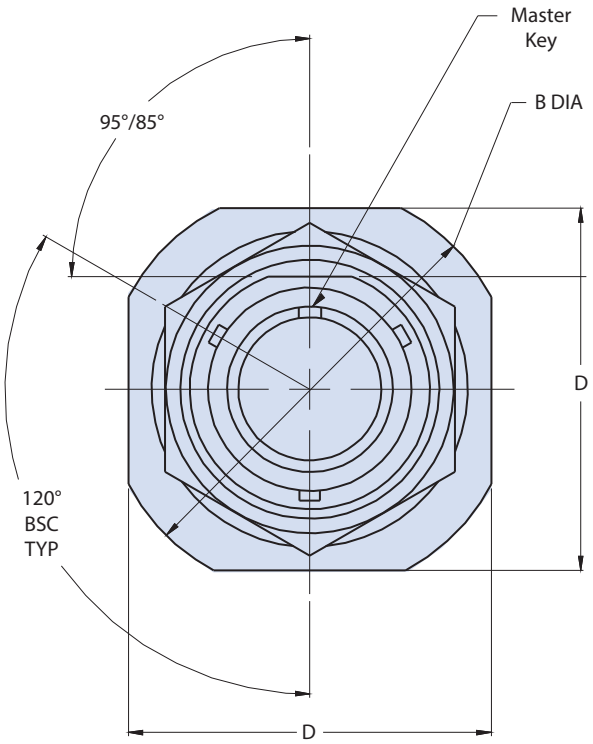
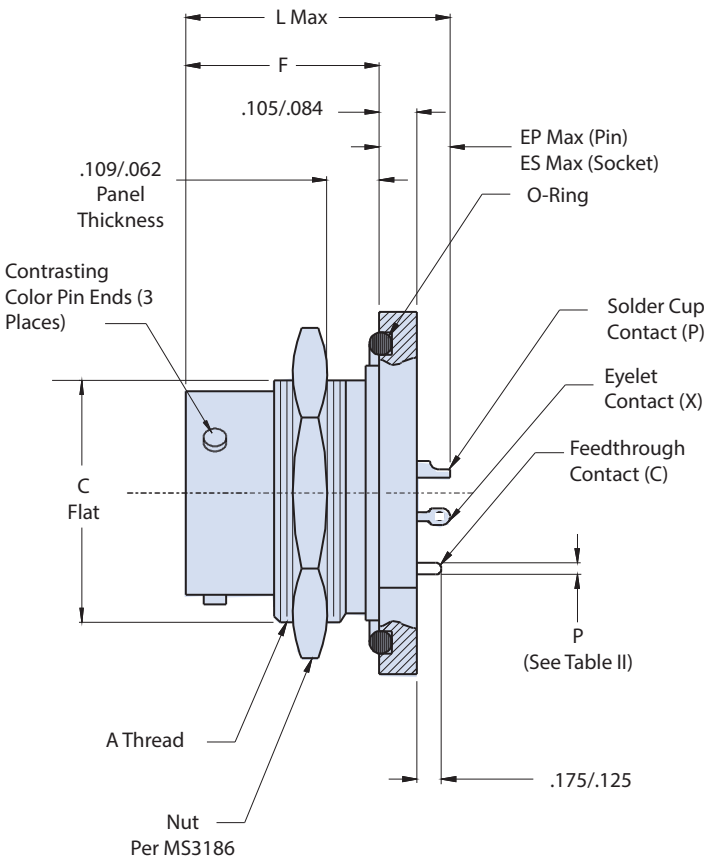
MS27477 Jam-Nut Mount Receptacle

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 Feedthrough **X** = Pin, Eyelet **C** = Pin, PCB Flex **S** = Socket, Solder Cup **Z** = Socket, Eyelet **D** = Socket, PCB Flex Feedthrough
Alternate Key Position	**A, B, C, D** (**Omit** = Normal)





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Dimensions in Inches (millimeters) are subject to change without notice.

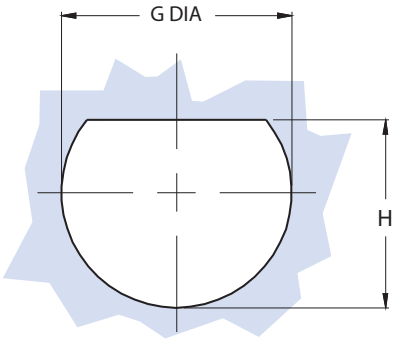
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232-100-H7 Jam-Nut Mount Receptacle

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 Guage**
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



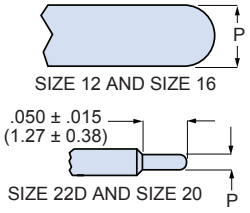
Recommended Panel Cut-Out

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



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)

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