

MS27470 Jam Nut Mount Hermetic Receptacle MIL-DTL-38999 Series I

How To Order: MS

Shell Style

MS27470 - Jam Nut Mount, Series I

Connector Material / Finish

D - Carbon Steel - Fused Tin Finish
E - Stainless Steel - Passivate Finish
N - Stainless Steel - Nickel Finish

Contact Termination

P - Pin, Solder Cup S - Socket, Solder Cup
X - Pin, Eyelet Z - Socket, Eyelet
C - Pin, PCB D - Socket, PCB
Flex Feedthrough Flex Feedthrough

Class
Y - Hermetic

MS27470

Y

11

N

35

P

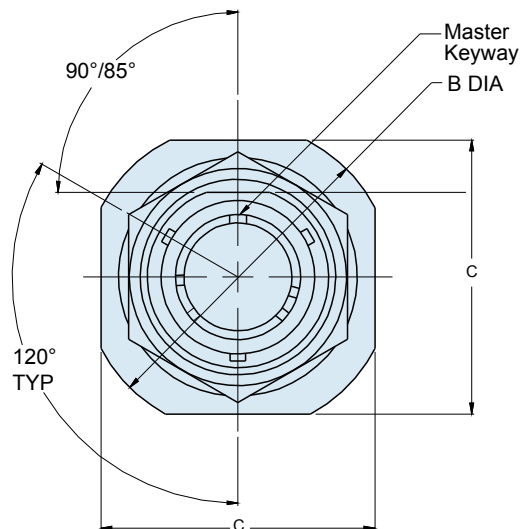
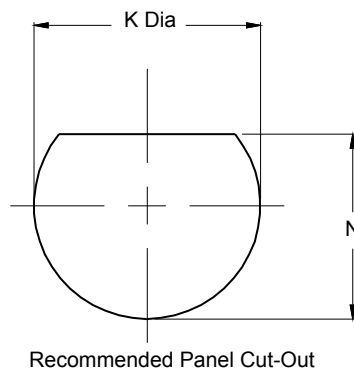
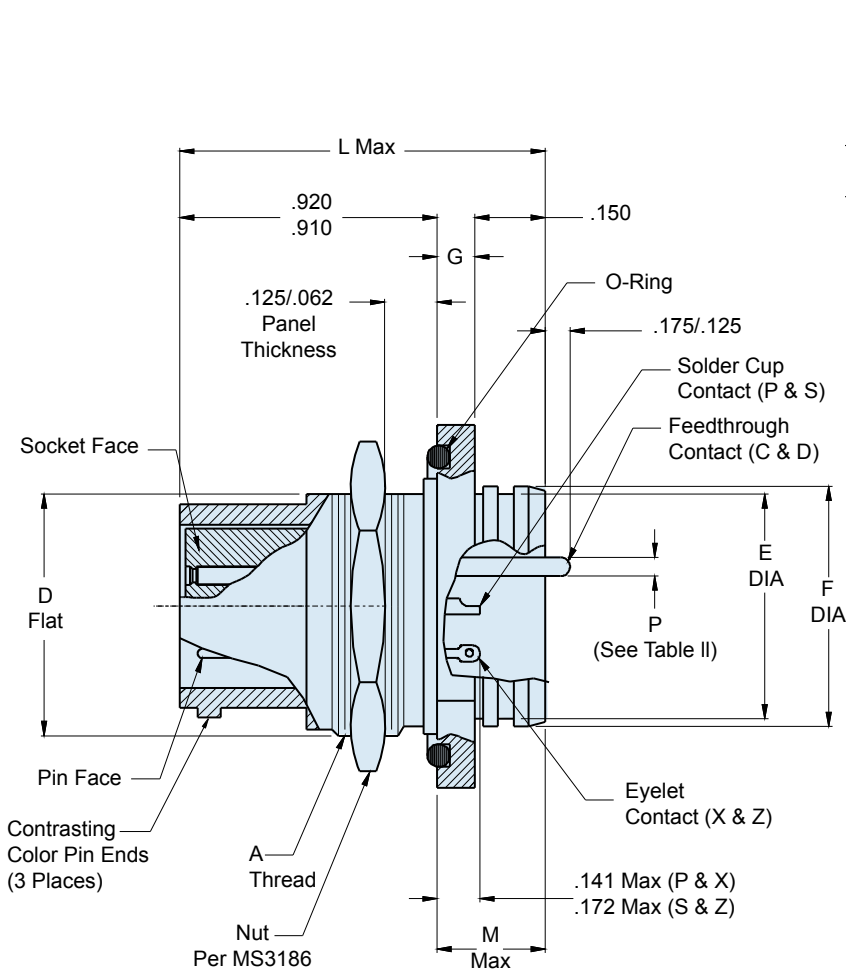
A

Shell Size

9, 11, 13, 15, 17, 19, 21, 23, 25

Insert Arrangement
MIL-DTL-38999 Series I
Hermetic Inserts Per
MIL-STD-1560;
See Pages B-2 - B-4

Alternate Key
Position
A, B, C, D
(Omit for Normal)



MS27470 Jam Nut Mount Hermetic Receptacle MIL-DTL-38999 Series I



D38999 QPL
Hermetics

How To Order: Commercial

Connector Series 231 - Series I Type	Shell Style H7 - Hermetic Jam Nut Mount	Shell Size 09, 11, 13, 15, 17, 19, 21, 23, 25	Contact Termination P - Pin, Solder Cup S - Socket, Solder Cup X - Pin, Eyelet Z - Socket, Eyelet C - Pin, PCB D - Socket, PCB	
231	- 100	- H7	Z1	11 - 35
Connector Type 100 - Hermetic Receptacle	Connector Material / Finish ZL - CRES, Nickel Z1 - CRES, Passivated FT - Carbon Steel, Fused Tin	Insert Arrangement Per MIL-STD-1560; See Pages B-2 - B-4	Alternate Key Position A, B, C, D, (N = Normal)	
			P	N

B

TABLE I: CONNECTOR DIMENSIONS

SHELL SIZE	A THREAD CLASS 2A	B DIA ±.016(0.4)	C ±.016(0.4)	D FLAT ±.005(0.1)	E DIA ±.011(0.3)	F DIA ±.005(0.1)
9/09	.6875-24 UNEF	1.188(30.2)	1.062(27.0)	.65(16.5)	.602(15.3)	.648(16.5)
11	.8125-20 UNEF	1.375(34.9)	1.25(31.8)	.75(19.1)	.726(18.4)	.772(19.6)
13	1.000-20 UNEF	1.5(38.1)	1.375(34.9)	.937(23.8)	.852(21.6)	.898(22.8)
15	1.125-18 UNEF	1.625(41.3)	1.5(38.1)	1.061(26.9)	.978(24.8)	1.024(26.0)
17	1.250-18 UNEF	1.75(44.5)	1.625(41.3)	1.186(30.1)	1.102(28.0)	1.148(29.2)
19	1.375-18 UNEF	1.938(49.2)	1.812(46.0)	1.311(33.3)	1.228(31.2)	1.274(32.4)
21	1.500-18 UNEF	2.062(52.4)	1.938(49.2)	1.436(36.5)	1.352(34.3)	1.398(35.5)
23	1.625-18 UNEF	2.188(55.6)	2.062(52.4)	1.561(39.6)	1.478(37.5)	1.524(38.7)
25	1.750-18 UNS	2.312(58.7)	2.188(55.6)	1.686(42.8)	1.602(40.7)	1.648(41.9)

TABLE I (CONTINUED): CONNECTOR DIMENSIONS

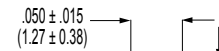
SHELL SIZE	G ±.016 (0.4)	K DIA ±.005 (0.1)	L MAX	M MAX	N +.000 -.002 (.05)
9/09	.109 (2.8)	.698 (17.7)	1.200 (30.5)	.280 (7.1)	.698 (17.7)
11	.109 (2.8)	.830 (21.1)	1.200 (30.5)	.280 (7.1)	.830 (21.1)
13	.109 (2.8)	1.015 (25.8)	1.200 (30.5)	.280 (7.1)	1.015 (25.8)
15	.109 (2.8)	1.140 (29.0)	1.200 (30.5)	.280 (7.1)	1.140 (29.0)
17	.109 (2.8)	1.265 (32.1)	1.200 (30.5)	.280 (7.1)	1.265 (32.1)
19	.140 (3.6)	1.390 (35.3)	1.231 (31.3)	.311 (7.9)	1.390 (35.3)
21	.140 (3.6)	1.515 (38.5)	1.231 (31.3)	.311 (7.9)	1.515 (38.5)
23	.140 (3.6)	1.640 (41.7)	1.231 (31.3)	.311 (7.9)	1.640 (41.7)
25	.140 (3.6)	1.765 (44.8)	1.231 (31.3)	.311 (7.9)	1.765 (44.8)

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)