

# 231-100-H7 Jam Nut Mount Hermetic Receptacle MIL-DTL-38999 Series I Type



## How To Order: Commercial

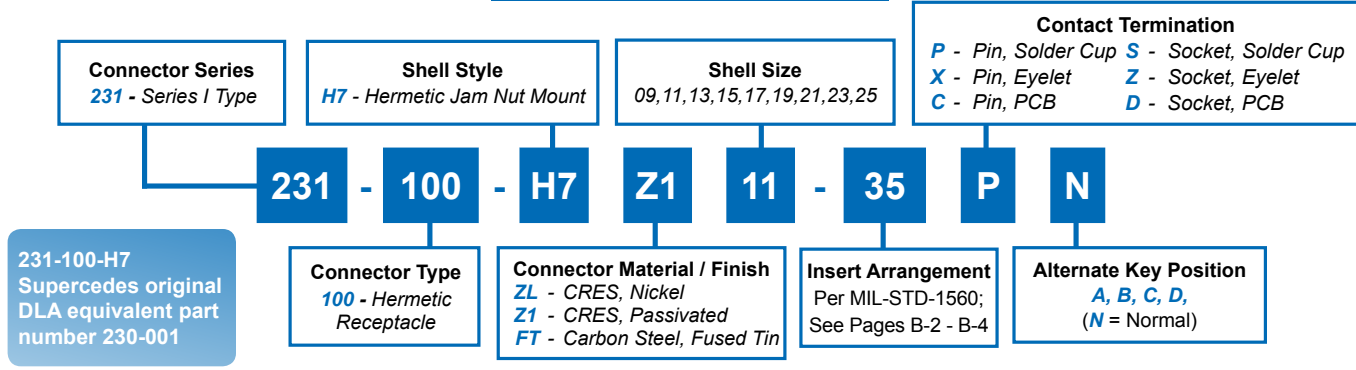


TABLE I: CONNECTOR DIMENSIONS

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 ± .005 (0.1)
9/09	.109 (2.8)	.693 (17.60)	1.200 (30.5)	.280 (7.1)	.657 (16.70)
11	.109 (2.8)	.825 (20.96)	1.200 (30.5)	.280 (7.1)	.771 (19.59)
13	.109 (2.8)	1.010 (25.65)	1.200 (30.5)	.280 (7.1)	.955 (24.26)
15	.109 (2.8)	1.135 (28.83)	1.200 (30.5)	.280 (7.1)	1.085 (27.56)
17	.109 (2.8)	1.260 (32.01)	1.200 (30.5)	.280 (7.1)	1.210 (30.73)
19	.140 (3.6)	1.385 (35.18)	1.231 (31.3)	.311 (7.9)	1.335 (33.91)
21	.140 (3.6)	1.510 (38.35)	1.231 (31.3)	.311 (7.9)	1.460 (37.08)
23	.140 (3.6)	1.635 (41.53)	1.231 (31.3)	.311 (7.9)	1.585 (40.26)
25	.140 (3.6)	1.760 (44.70)	1.231 (31.3)	.311 (7.9)	1.710 (43.43)

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)

HERMETIC LEAK RATE MOD CODES

Designator	Required Leak Rate
-585A	1 x 10 <sup>-10</sup> cc Helium per second
-585B	1 x 10 <sup>-9</sup> cc Helium per second
-585C	1 x 10 <sup>-8</sup> cc Helium per second

WIRE ACCOMODATION

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

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

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