TX27 HA 13-98 P 1 HG - 02

1 2 3 4 5 6 7

1 BASIC PART NUMBER

TX27 Hermetic jam nut thru-bulkhead receptacle
Helium leakage < 1.0 x10^{-6} cc^3/sec at
15 psi (1.1 kg/cm^2). Insert rated to 14,000 psi
(984 kg/cm^2) when precision welded or soldered.

2 MATERIAL & FINISH

HG Stainless steel, electrodeposited nickel (space-grade)

3 SHELL SIZE & INSERT ARRANGEMENT

See Insert Arrangement Selection table, p. B-19

4 CONTACT STYLE

P Pins on jam nut side, sockets opposite
S Sockets on jam nut side, pins opposite

5 PANEL RANGE

1 .063 (1.6) Min — .125 (3.2) Max
2 .063 (1.6) Min — .250 (6.4) Max
3 .063 (1.6) Min — .500 (12.7) Max

6 ALTERNATE KEYING

N NORMAL or A, B, C, D, E

7 OPTIONAL ACCESSORY KIT (OMIT FOR NONE)

02 Protective cover (2x)

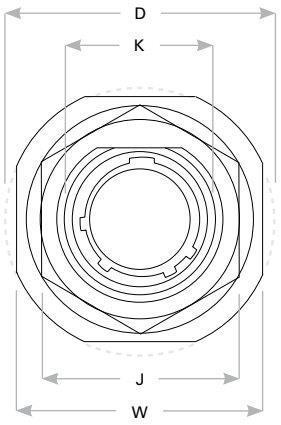
TX27 Compatibility

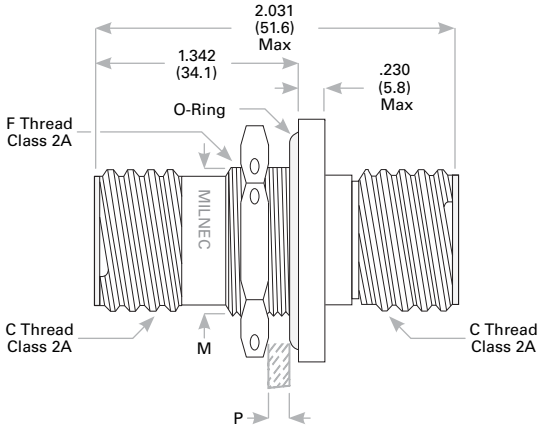
Compatible Brands	Mates
MIL-DTL-38999 Series III	D38999/26
Aero / Conesys	AE326
Amphenol	TV06, TVS06, CTV06, CTVS06
Deutsch	DTS26
ITT Cannon	KJA6
Souriau	8D5, 8DS06G

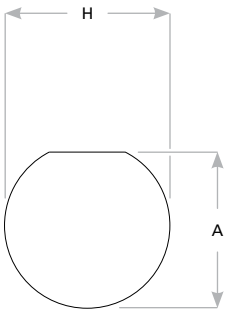
Receptacle Dimensions

Shell Size	Military Shell Size	C Thread Class 2A	J	W	D	K	F Thread Class 2A	H	A	P Max Panel‡
9	A	.6250-0.1P-0.3L-TS	.875 (22.2)	1.090 (27.7)	1.199 (30.5)	.697 (17.7)	.6875-24 UNEF	.700 (17.8)	.670 (17.0)	See Option 5 for Panel Range
11	B	.7500-0.1P-0.3L-TS	1.000 (25.4)	1.280 (32.5)	1.386 (35.2)	.822 (20.9)	.8125-20 UNEF	.825 (21.0)	.771 (19.6)	
13	C	.8750-0.1P-0.3L-TS	1.250 (31.8)	1.400 (35.6)	1.511 (38.4)	1.007 (25.6)	1.000-20 UNEF	1.010 (25.7)	.955 (24.3)	
15	D	1.0000-0.1P-0.3L-TS	1.375 (34.9)	1.530 (38.9)	1.636 (41.6)	1.134 (28.8)	1.125-18 UNEF	1.135 (28.8)	1.085 (27.6)	
17	E	1.1875-0.1P-0.3L-TS	1.500 (38.1)	1.660 (42.2)	1.761 (44.7)	1.259 (32.0)	1.250-18 UNEF	1.260 (32.0)	1.210 (30.7)	
19	F	1.2500-0.1P-0.3L-TS	1.625 (41.3)	1.840 (46.7)	1.949 (49.5)	1.384 (35.2)	1.375-18 UNEF	1.385 (35.2)	1.335 (33.9)	
21	G	1.3750-0.1P-0.3L-TS	1.750 (44.5)	1.970 (50.5)	2.073 (52.7)	1.507 (38.3)	1.500-18 UNEF	1.510 (38.4)	1.460 (37.1)	
23	H	1.5000-0.1P-0.3L-TS	1.875 (47.6)	2.090 (53.1)	2.199 (55.9)	1.634 (41.5)	1.625-18 UNEF	1.635 (41.5)	1.585 (40.3)	
25	J	1.6250-0.1P-0.3L-TS	2.000 (50.8)	2.210 (56.1)	2.323 (59.0)	1.759 (44.7)	1.750-18 UNS	1.760 (44.7)	1.710 (43.4)	

Dimensions are in inches (mm). ‡ Max panel thickness will ensure proper coupling clearance.







Panel Cutout