

# Hermetic Jam Nut Thru-Bulkhead Receptacle

TM Series • MIL-DTL-5015 Crimp Type Connectors



Photo for example only

## TM27 Compatibility

Compatible Brands	Mates
MIL-DTL-5015 Crimp	MS3456, MS3459
Aero Electric	AE556, AE559
Amphenol / Matrix	9446, 9816
J-Tech / Conesys	DC62, DC63
ITT Cannon	CV3456, CV3459

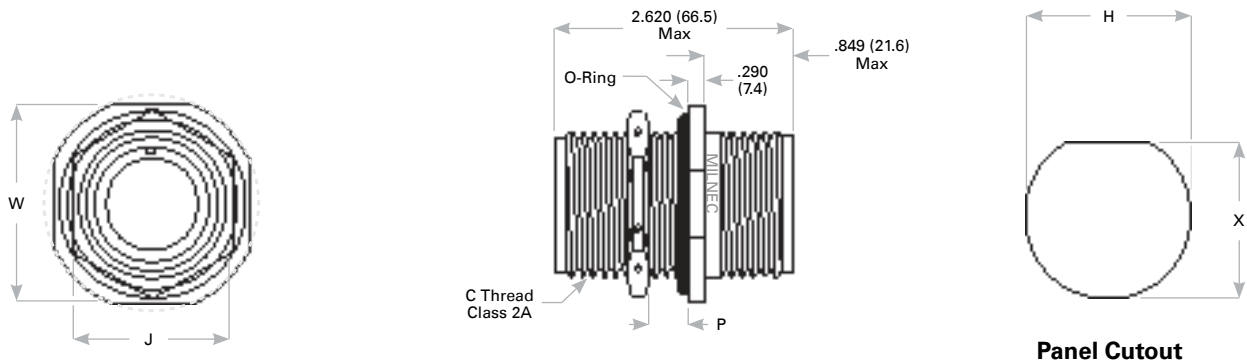
## TM27 HA 18-11 P 1 N - 02

- 1 **BASIC PART NUMBER**  
**TM27** Hermetic jam nut thru-bulkhead receptacle  
 Helium leakage <math> < 1.0 \times 10^{-6}</math> cc<sup>3</sup>/sec at 15 psi (1.1 kg/cm<sup>2</sup>).
- 2 **MATERIAL & FINISH**  
**HA** Stainless Steel, passivated  
**HG** Stainless Steel, passivated  
 Outgassed for space applications
- 3 **SHELL SIZE & INSERT ARRANGEMENT**  
 See Insert Arrangement Selection table, p. K-12
- 4 **CONTACT STYLE**  
**P** Pins on jam nut side, sockets opposite  
**S** Sockets on jam nut side, pins opposite  
**PP** Pins on jam nut side, pins opposite
- 5 **MAX PANEL**  
**1** .125 (3.2)  
**2** .250 (6.4)  
**3** .500 (12.7)
- 6 **INSERT ROTATION**  
**N** Normal or W, X, Y, Z, see p. K-12 for availability
- 7 **OPTIONAL ACCESSORY KIT (OMIT FOR NONE)**  
**02** Protective covers (2x)

## Receptacle Dimensions

Shell Size	W	J	C Thread Class 2A	P Max Panel	X	H
10	1.000 (25.4)	.812 (20.6)	.6250-24 UNEF	1.375 (34.9)	.578 (14.7)	.635 (16.1)
12	1.125 (28.6)	.938 (23.8)	.7500-20 UNEF	1.375 (34.9)	.692 (17.6)	.760 (19.3)
14	1.250 (31.8)	1.062 (27.0)	.8750-20 UNEF	1.375 (34.9)	.817 (20.8)	.885 (22.5)
16	1.375 (34.9)	1.250 (31.8)	1.0000-20 UNEF	1.375 (34.9)	.942 (23.9)	1.010 (25.7)
18	1.625 (41.3)	1.375 (34.9)	1.1250-18 UNEF	1.375 (34.9)	1.060 (26.9)	1.135 (28.8)
20	1.750 (44.5)	1.500 (38.1)	1.2500-18 UNEF	1.375 (34.9)	1.185 (30.1)	1.260 (32.0)
22	1.875 (47.6)	1.625 (41.3)	1.3750-18 UNEF	1.375 (34.9)	1.310 (33.3)	1.385 (35.2)
24	2.000 (50.8)	1.750 (44.5)	1.5000-18 UNEF	1.375 (34.9)	1.435 (36.4)	1.510 (38.4)
28	2.250 (57.2)	2.000 (50.8)	1.7500-18 UNS	1.375 (34.9)	1.687 (42.8)	1.760 (44.7)
32	2.500 (63.5)	2.250 (57.2)	2.0000-18 UNS	1.375 (34.9)	1.937 (49.2)	2.010 (51.1)
36	2.750 (69.9)	2.500 (63.5)	2.2500-16 UN	1.375 (34.9)	2.177 (55.3)	2.260 (57.4)

Dimensions are in inches (mm).



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