

# MS3454 Connector Type Datasheet

TM Series • MIL-DTL-5015 Crimp Type Connectors



## TM07 Cross Reference & Compatibility

Compatible Brands	Equivalent	Mates
MIL-DTL-5015 Crimp	MS3454	MS3456, MS3459
Aero Electric	AE554	AE556, AE559
Amphenol / Matrix	9444	9446, 9816
J-Tech / Conesys	—	DC62, DC63
ITT Cannon	CV3454	CV3456, CV3459

## TM07 N 28-22 S N - R2(055) - 02

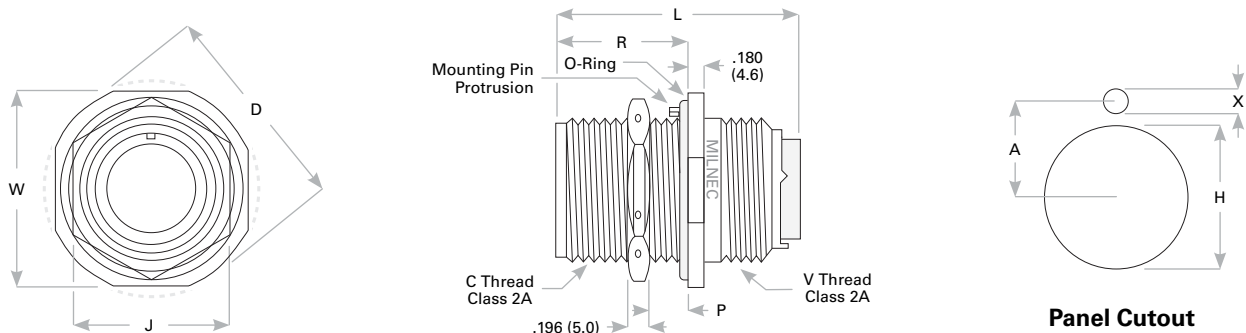
- 1 **BASIC PART NUMBER**  
TM07 Jam nut receptacle
- 2 **MATERIAL & FINISH**  
N Aluminum, electroless nickel  
W Aluminum, olive drab cadmium
- 3 **SHELL SIZE & INSERT ARRANGEMENT**  
See Insert Arrangement Selection table, p. K-12
- 4 **CONTACT STYLE**  
P Pin  
S Socket
- 5 **INSERT ROTATION**  
N Normal or W, X, Y, Z, see p. K-12 for availability
- 6 **OPTIONAL BACKSHELL KIT (OMIT FOR NONE)**  
B2 Straight strain relief (self-locking), p. K-27  
R2( ) Straight EMI/RFI environmental, p. K-38  
(Add dash number for appropriate shell size, see p. K-38)
- 7 **OPTIONAL ACCESSORY KIT (OMIT FOR NONE)**  
02 Protective cover

Note: See part builder (p. K-11) for additional kit options.

## Receptacle Dimensions

Shell Size	W	D	J	C Thread Class 2A	L Max		R	V Thread Class 2A	P Max Rear Panel†	A	H	X
					#12, #16 Contacts	#0, #4, #8 Contacts						
10L	1.312 (33.3)	1.397 (35.5)	.812 (20.6)	.6250-24 UNEF	2.031 (51.6)	-	.720 (18.3)	.6250-24 UNEF	.128 (3.3)	.385 (9.8)	.630 (16.0)	.100 (2.5)
12S	1.437 (36.5)	1.522 (38.7)	.937 (23.8)	.7500-20 UNEF	2.031 (51.6)	-	.720 (18.3)	.7500-20 UNEF	.128 (3.3)	.448 (11.4)	.755 (19.2)	.100 (2.5)
14S	1.562 (39.7)	1.647 (41.8)	1.125 (28.6)	.8750-20 UNEF	2.031 (51.6)	-	.720 (18.3)	.8750-20 UNEF	.128 (3.3)	.510 (13.0)	.880 (22.4)	.100 (2.5)
16S	1.687 (42.8)	1.772 (45.0)	1.250 (31.8)	1.0000-20 UNEF	2.031 (51.6)	-	.720 (18.3)	1.0000-20 UNEF	.128 (3.3)	.573 (14.6)	1.005 (25.5)	.100 (2.5)
18	1.812 (46.0)	1.897 (48.2)	1.375 (34.9)	1.1250-18 UNEF	2.125 (54.0)	2.500 (63.5)	.970 (24.6)	1.0625-18 UNEF	.128 (3.3)	.635 (16.1)	1.130 (28.7)	.100 (2.5)
20	1.937 (49.2)	2.022 (51.4)	1.500 (38.1)	1.2500-18 UNEF	2.125 (54.0)	2.500 (63.5)	.970 (24.6)	1.1875-18 UNEF	.128 (3.3)	.698 (17.7)	1.255 (31.9)	.100 (2.5)
22	2.156 (54.8)	2.241 (56.9)	1.625 (41.3)	1.3750-18 UNEF	2.125 (54.0)	2.500 (63.5)	.970 (24.6)	1.3125-18 UNEF	.128 (3.3)	.760 (19.3)	1.380 (35.1)	.100 (2.5)
24	2.281 (57.9)	2.366 (60.1)	1.750 (44.5)	1.5000-18 UNS	2.125 (54.0)	2.500 (63.5)	.970 (24.6)	1.4375-18 UNEF	.128 (3.3)	.823 (20.9)	1.505 (38.2)	.100 (2.5)
28	2.531 (64.3)	2.616 (66.4)	2.000 (50.8)	1.7500-18 UNS	2.125 (54.0)	2.500 (63.5)	.970 (24.6)	1.7500-18 UNS	.128 (3.3)	.948 (24.1)	1.755 (44.6)	.100 (2.5)
32	2.781 (70.6)	2.866 (72.8)	2.375 (60.3)	2.0000-18 UNS	2.125 (54.0)	2.500 (63.5)	.970 (24.6)	2.0000-18 UNS	.128 (3.3)	1.073 (27.3)	2.005 (50.9)	.100 (2.5)
36	3.031 (77.0)	3.116 (79.1)	2.625 (66.7)	2.2500-16 UN	2.125 (54.0)	2.500 (63.5)	.970 (24.6)	2.2500-16 UN	.128 (3.3)	1.198 (30.4)	2.255 (57.3)	.100 (2.5)

Dimensions are in inches (mm). † Max panel thickness applies only to rear mount applications to ensure proper coupling clearance.



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