

# Plug (Self-Locking) Datasheet

TM Series • MIL-DTL-5015 Crimp Type Connectors

## TM09 N 28-22 P N - R2(055) - 01

- 1 **BASIC PART NUMBER**  
TM09 Plug (self-locking)
- 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)**  
01 Protective cover

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



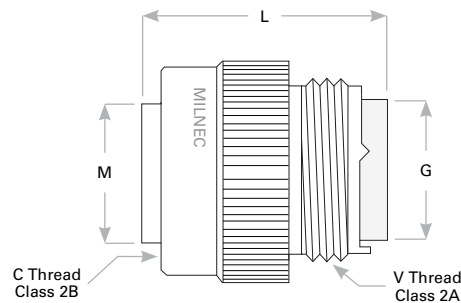
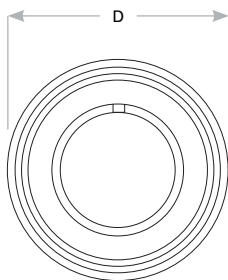
### TM09 Compatibility

Compatible Brands	Mates
MIL-DTL-5015 Crimp	MS3450, MS3451, MS3452, MS3454
Aero Electric	AE550, AE551, AE552, AE554
Amphenol / Matrix	9440, 9441, 9442, 9444
J-Tech / Conesys	DC60, DC61
ITT Cannon	CV3450, CV3451, CV3452, CV3454

### Plug Dimensions

Shell Size	D	C Thread Class 2B	L Max		M	G	V Thread Class 2A
			#12, #16 Contacts	#0, #4, #8 Contacts			
10SL	1.088 (27.6)	.6250-24 UNEF	1.510 (38.4)	-	.441 (11.2)	.405 (10.3)	.6250-24 UNEF
12S	1.213 (30.8)	.7500-20 UNEF	1.510 (38.4)	-	.550 (14.0)	.549 (13.9)	.7500-20 UNEF
14S	1.358 (34.5)	.8750-20 UNEF	1.510 (38.4)	-	.670 (17.0)	.665 (16.9)	.8750-20 UNEF
16S	1.463 (37.2)	1.0000-20 UNEF	1.510 (38.4)	-	.800 (20.3)	.790 (20.1)	1.0000-20 UNEF
18	1.588 (40.3)	1.1250-18 UNEF	1.850 (47.0)	2.500 (63.5)	.925 (23.5)	.869 (22.1)	1.0625-18 UNEF
20	1.713 (43.5)	1.2500-18 UNEF	1.850 (47.0)	2.500 (63.5)	1.045 (26.5)	.994 (25.2)	1.1875-18 UNEF
22	1.788 (45.4)	1.3750-18 UNEF	1.850 (47.0)	2.500 (63.5)	1.170 (29.7)	1.119 (28.4)	1.3125-18 UNEF
24	1.963 (49.9)	1.5000-18 UNEF	1.850 (47.0)	2.500 (63.5)	1.295 (32.9)	1.244 (31.6)	1.4375-18 UNEF
28	2.213 (56.2)	1.7500-18 UNS	1.850 (47.0)	2.500 (63.5)	1.515 (38.5)	1.465 (37.2)	1.7500-18 UNS
32	2.463 (62.6)	2.0000-18 UNS	1.850 (47.0)	2.500 (63.5)	1.765 (44.8)	1.715 (43.6)	2.0000-18 UNS
36	2.713 (68.9)	2.2500-16 UNS	1.850 (47.0)	2.500 (63.5)	1.975 (50.2)	1.930 (49.0)	2.2500-16 UN

Dimensions are in inches (mm).



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