

M28840/12 Connector Type Datasheet

NS Series • MIL-DTL-28840 Type Connectors

NS02 W 15-21 S 1 - 02



NS02 Compatibility

Compatible Brands	Equivalent	Mates
MIL-DTL-28840	MS28840/12	MS28840/16
Delphi	GT2A	GT6

- 1 **BASIC PART NUMBER**
NS02 Box mount receptacle (Figure 1, Standard)
NS03 Box mount receptacle (Figure 2, Long)
- 2 **MATERIAL & FINISH**
W Aluminum, olive drab cadmium
D Stainless steel, black cadmium plate
- 3 **SHELL SIZE & INSERT ARRANGEMENT**
 See Insert Arrangement Drawings, p. Z-6
- 4 **CONTACT STYLE**
F Pin (20–24 AWG)
G Socket (20–24 AWG)
P Pin (22–26 AWG)
S Socket (22–26 AWG)
D Pin (28–32 AWG)
E Socket (28–32 AWG)
- 5 **ALTERNATE KEYING**
1 or 2, 3, 4, 5, 6, see p. Z-5 for availability
- 6 **OPTIONAL ACCESSORY KIT (OMIT FOR NONE)**
02 Protective cover + mounting gasket
03 02 kit + mounting bracket + sealing screws

Receptacle Dimensions

Shell Size	W Max	S	Z Max	G Max	C Thread Class 2A	X	H
11	1.043 (26.5)	.750 (19.1)	.130 (3.3)	.758 (19.3)	.750-.1P-.2L -D.S.	.140 (3.6)	.812 (20.6)
13	1.158 (29.4)	.843 (21.4)	.130 (3.3)	.880 (22.4)	.875-.1P-.2L -D.S.	.140 (3.6)	.937 (23.8)
15	1.278 (32.5)	.968 (24.6)	.130 (3.3)	1.005 (25.5)	1.062-.1P-.2L -D.S.	.140 (3.6)	1.124 (28.6)
17	1.403 (35.6)	1.015 (25.8)	.130 (3.3)	1.130 (28.7)	1.125-.1P-.2L -D.S.	.140 (3.6)	1.187 (30.2)
19	1.528 (38.8)	1.140 (29.0)	.130 (3.3)	1.255 (31.9)	1.312-.1P-.2L -D.S.	.140 (3.6)	1.374 (34.9)
23	1.738 (44.2)	1.281 (32.5)	.130 (3.3)	1.443 (36.7)	1.500-.1P-.2L -D.S.	.140 (3.6)	1.562 (39.7)
25	1.838 (46.7)	1.392 (35.4)	.157 (4.0)	1.567 (39.8)	1.625-.1P-.2L -D.S.	.167 (4.2)	1.687 (42.9)
29	2.158 (54.8)	1.568 (39.8)	.157 (4.0)	1.880 (47.8)	1.812-.1P-.2L -D.S.	.167 (4.2)	1.874 (47.6)
33	2.343 (59.6)	1.734 (44.0)	.183 (4.7)	2.067 (52.5)	2.000-.1P-.2L -D.S.	.193 (4.9)	2.062 (52.4)

Dimensions are in inches (mm).

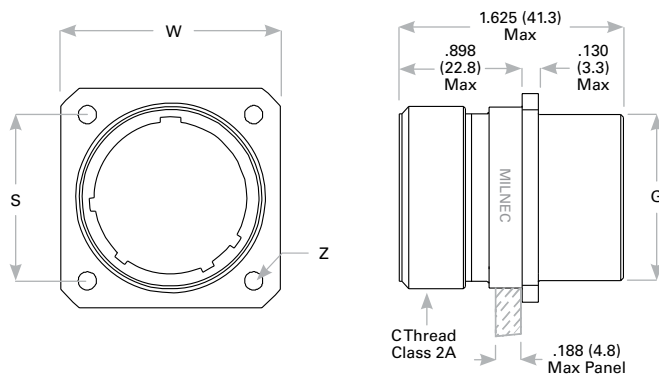


Figure 1,
Standard

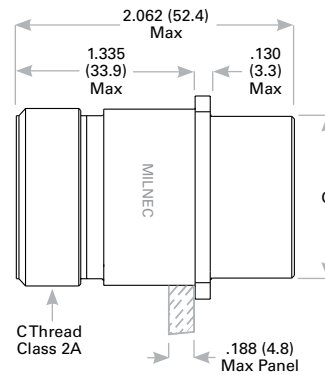
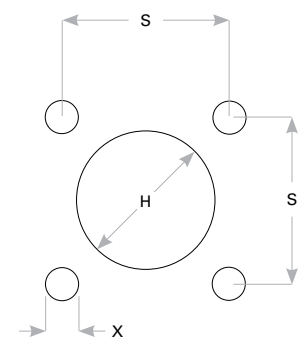


Figure 2,
Long



Panel Cutout

Rev. 1825