M28840 Thru-Bulkhead Receptacle

NS Series • MIL-DTL-28840 Type Connectors



NS22 Compatibility

Compatible Brands	Mates
MIL-DTL-28840	MS28840/16, MS28840/17, MS28840/18, MS28840/19, MS28840/26, MS28840/27, MS28840/28

NS22 W 19-11 P 1 - 02

1 2 3 4 5 6

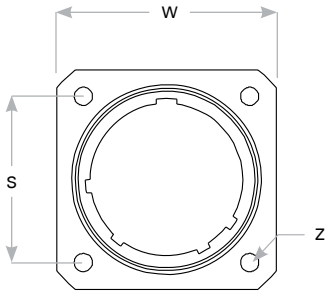
1. **BASIC PART NUMBER**
   - **NS22** Thru-bulkhead receptacle
2. **MATERIAL & FINISH**
   - **W** Aluminum, olive drab cadmium
   - **D** Stainless steel, black cadmium plate
3. **SHELL SIZE & INSERT ARRANGEMENT**
   - See Insert Arrangement Drawings, p. Z-6
4. **CONTACT STYLE**
   - **P** Pins on thru-panel side, sockets opposite
   - **S** Sockets on thru-panel side, pins opposite
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 covers (2x) + mounting gasket
   - **03** 02 kit + mounting bracket + sealing screws

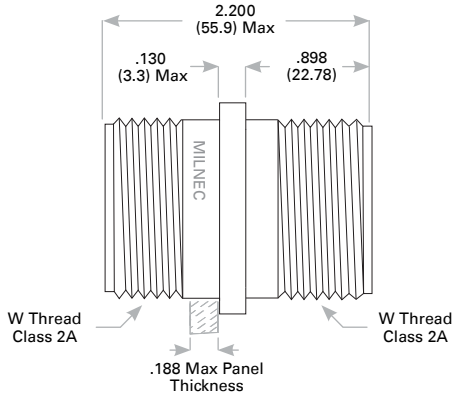
Note: See part builder (p. Z-7) for additional kit options.

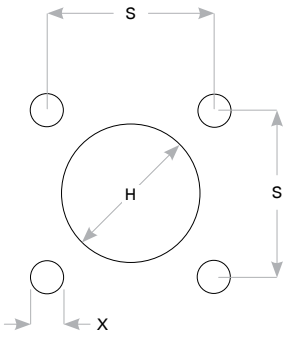
Receptacle Dimensions

Shell Size	W Max	S	Z Max	W Thread Class 2A	H	X
11	1.043 (26.5)	.750 (19.1)	.130 (3.3)	.750-.1P-.2L -D.S.	.812 (20.6)	.140 (3.6)
13	1.158 (29.4)	.843 (21.4)	.130 (3.3)	.875-.1P-.2L -D.S.	. 937 (23.8)	.140 (3.6)
15	1.278 (32.5)	.968 (24.6)	.130 (3.3)	1.062-.1P-.2L -D.S.	1.124 (28.6)	.140 (3.6)
17	1.403 (35.6)	1.015 (25.8)	.130 (3.3)	1.125-.1P-.2L -D.S.	1.187 (30.2)	.140 (3.6)
19	1.528 (38.8)	1.140 (29.0)	.130 (3.3)	1.312-.1P-.2L -D.S.	1.374 (34.9)	.140 (3.6)
23	1.738 (44.2)	1.281 (32.5)	.130 (3.3)	1.500-.1P-.2L -D.S.	1.562 (39.7)	.140 (3.6)
25	1.838 (46.7)	1.392 (35.4)	.157 (4.0)	1.625-.1P-.2L -D.S.	1.687 (42.9)	.167 (4.2)
29	2.158 (54.8)	1.568 (39.8)	.157 (4.0)	1.812-.1P-.2L -D.S.	1.874 (47.6)	.167 (4.2)
33	2.348 (59.6)	1.734 (44.0)	.183 (4.7)	2.000-.1P-.2L -D.S.	2.062 (52.4)	.193 (4.9)

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







Panel Cutout

Rev. 2205