



INTRO CORPORATION

Integrity, Value and Quality since 1976

MIL-C-26482 SERIES 1 ORDERING GUIDE



MIL-C-26482 Series 1
*Connector, Electrical,
Bayonet Coupling, Solder Contacts*

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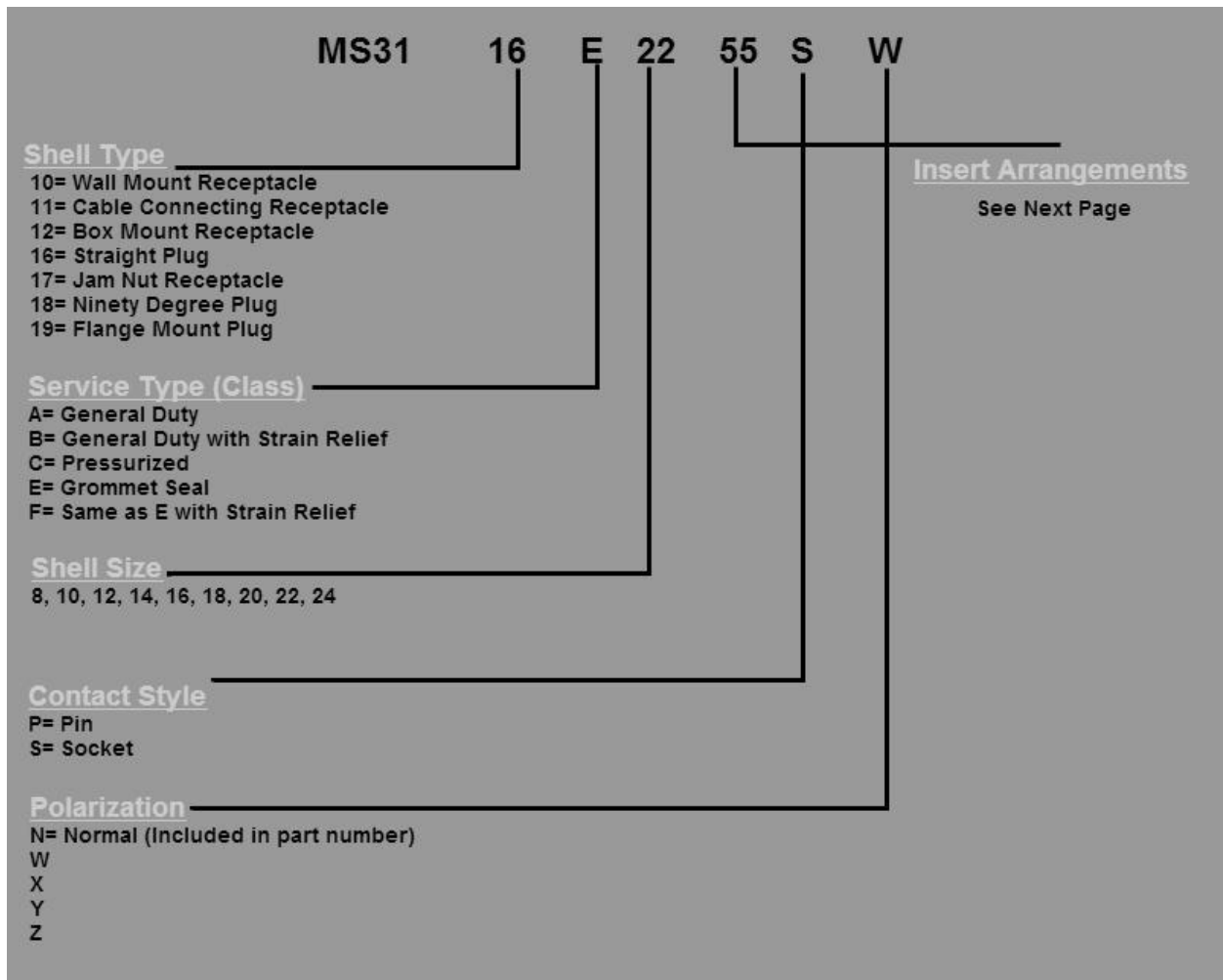
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MIL-C-26482 SERIES 1

Connector, Electrical, Bayonet Coupling, Solder Contacts

PART NUMBER CODING





MIL-C-26482 SERIES 1 INSERT ARRANGMENTS AND CONTACTS

| INSERT ARRANGEMENT | TOTAL CONTACTS | Size 20 | Size 16 |
|--------------------|----------------|---------|---------|
| 8-2 | 2 | 2 | |
| 8-3 | 3 | 3 | |
| 8-33 | 3 | 3 | |
| 8-4 | 4 | 4 | |
| 10-6 | 6 | 6 | |
| 10-98 | 6 | 6 | |
| 10-7 | 7 | 7 | |
| 12-3 | 3 | | 3 |
| 12-8 | 8 | 8 | |
| 12-10 | 10 | 20 | |
| 12-14 | 14 | 14 | |
| 14-5 | 5 | | 5 |
| 14-8 | 8 | 4 | 4 |
| 14-12 | 12 | 8 | 4 |
| 14-15 | 15 | 14 | 1 |
| 14-18 | 18 | 18 | |
| 14-19 | 19 | 19 | |
| 16-8 | 8 | | 8 |
| 16-23 | 23 | 22 | 1 |
| 16-26 | 26 | 26 | |
| 18-11 | 11 | | 11 |
| 18-32 | 32 | 32 | |
| 18-30 | 30 | 30 | |
| 20-16 | 16 | | 16 |
| 20-24 | 24 | 24 | |
| 20-25 | 25 | 25 | |
| 20-27 | 27 | 27 | |
| 20-39 | 39 | 37 | 2 |
| 20-41 | 41 | 41 | |
| 22-21 | 21 | | 21 |
| 22-32 | 32 | 32 | |
| 22-34 | 34 | 34 | |
| 22-41 | 41 | 27 | 14 |
| 22-55 | 55 | 55 | |
| 24-61 | 61 | 61 | |



MIL-C-26482 SERIES 1 SPECIFICATIONS



Product Data

Electrical

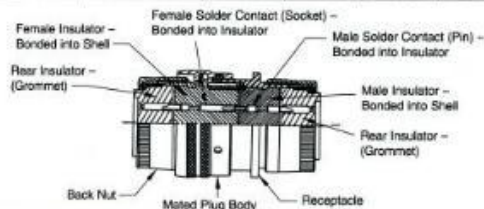
| | | | | | |
|---------------------------|----------------------------|--------------|---------------------|----------------------|------|
| Contact Termination | (PW) Solder Pot or PC Tail | | | | |
| Number of Contacts | 2 to 61 | | | | |
| Wire Size, AWG | 12 to 24 | | | | |
| Wire Range Accommodations | Insulation O.D. Limits | | | | |
| Contact Size | AWG Wire Size | Min. | Max. | | |
| 20 | 24, 22 and 20 | .080 (1.52) | .083 (2.11) | | |
| 16 | 20, 18 and 16 | .066 (1.68) | .109 (2.77) | | |
| 12 | 14 and 12 | .097 (2.46) | .142 (3.61) | | |
| Contact Rating | | | | | |
| Contact Size | Rated Amps | Test Current | Max. Millivolt Drop | | |
| 20 | 7.5 | 7.5 | 55 | | |
| 16 | 13.0 | 13.0 | 49 | | |
| 12 | 23.0 | 23.0 | 42 | | |
| Voltage Rating | | | | | |
| Altitude | Service Rating | Test Voltage | | Max. Working Voltage | |
| | | AC (rms) | DC | AC (rms) | DC |
| Sea Level | 1 | 1500 | 2100 | 600 | 850 |
| | 2 | 2300 | 3200 | 1000 | 1400 |
| 70,000 ft | 1 | 375 | 535 | 300 | 510 |
| | 2 | 500 | 770 | 450 | 740 |

Standard Material and Finishes

| | |
|-------------------|--|
| Shell (Mil-Std) | Aluminum alloy, conductive olive drab chromate over cadmium finish per QQ-P-416. (Consult Factory for Commercial options.) |
| Insulator | Synthetic Rubber |
| Grommet and Seal | Synthetic Rubber |
| Contacts | Copper alloy, gold plate per MIL-G-45204 type II |
| Temperature Range | -55°C to +125°C |

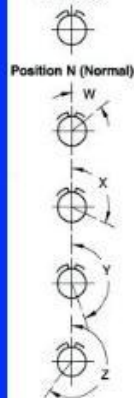
Mechanical

| | |
|---------------------------|---|
| Shell Styles | 00 — Wall mounting receptacle 01 — Cable in line receptacle 02 — Box mounting receptacle 06 — Straight plug 07 — Jam nut receptacle 08 — 90° angle plug 09 — Flange Mount plug PWB — Through bulkhead receptacle |
| Shell Size | 8 thru 24 |
| Polarization/ Coupling | Five keyway/three point bayonet |
| Service Classes | A — General duty B — General duty with strain relief C — Pressurized commercial "PW" only E — Grommet seal F — Grommet seal with strain relief J — Straight backshell with strain relief JF — Same as J available in commercial PW only N — No back end, no termination hardware P — Potted |



Polarization

Engaging Face — Pin Inserts



The diagrams indicate alternate insert positions. The five positions (W, X, Y, Z and Normal) differ in degree of rotation for various size and layouts. The exact angle of rotation for the combinations are listed in the table below.

| SHELL SIZE | LAYOUT | POSITION | | | |
|------------|--------|----------|------|------|------|
| | | W | X | Y | Z |
| 8 | 2 | 58° | 122° | — | — |
| | 3 | 60° | 210° | — | — |
| | 4 | 45° | — | — | — |
| 10 | 33 | 90° | — | — | — |
| | 6 | 90° | — | — | — |
| 12 | 98 | 90° | 180° | 240° | 270° |
| | 3 | — | — | 180° | — |
| | 8 | 90° | 112° | 203° | 292° |
| | 10 | 60° | 155° | 270° | 295° |
| 14 | 14 | — | — | — | — |
| | 5 | 40° | 92° | 184° | 273° |
| | 8 | — | — | — | — |
| | 12 | 43° | 90° | — | — |
| | 15 | 17° | 110° | 155° | 234° |
| | 18 | 15° | 90° | 180° | 270° |
| 16 | 19 | 30° | 165° | 315° | — |
| | 22 | 45° | — | — | — |

| SHELL SIZE | LAYOUT | POSITION | | | |
|------------|--------|----------|------|------|------|
| | | W | X | Y | Z |
| 16 | 8 | 54° | 152° | 180° | 331° |
| | 23 | 158° | 270° | — | — |
| | 26 | 60° | — | 275° | 338° |
| 18 | 11 | 62° | 119° | 241° | 340° |
| | 32 | 85° | 138° | 222° | 265° |
| 20 | 16 | 238° | 318° | 333° | 347° |
| | 24 | 70° | 145° | 215° | 290° |
| | 27 | 72° | 144° | 216° | 288° |
| | 39 | 63° | 144° | 252° | 333° |
| | 41 | 45° | 126° | 225° | — |
| 22 | 21 | 16° | 135° | 175° | 349° |
| | 41 | 39° | 135° | 264° | — |
| | 55 | 30° | 142° | 226° | 314° |
| 24 | 61 | 90° | 180° | 270° | 324° |

NOTE: For polarization data for other contact arrangements, consult factory.



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