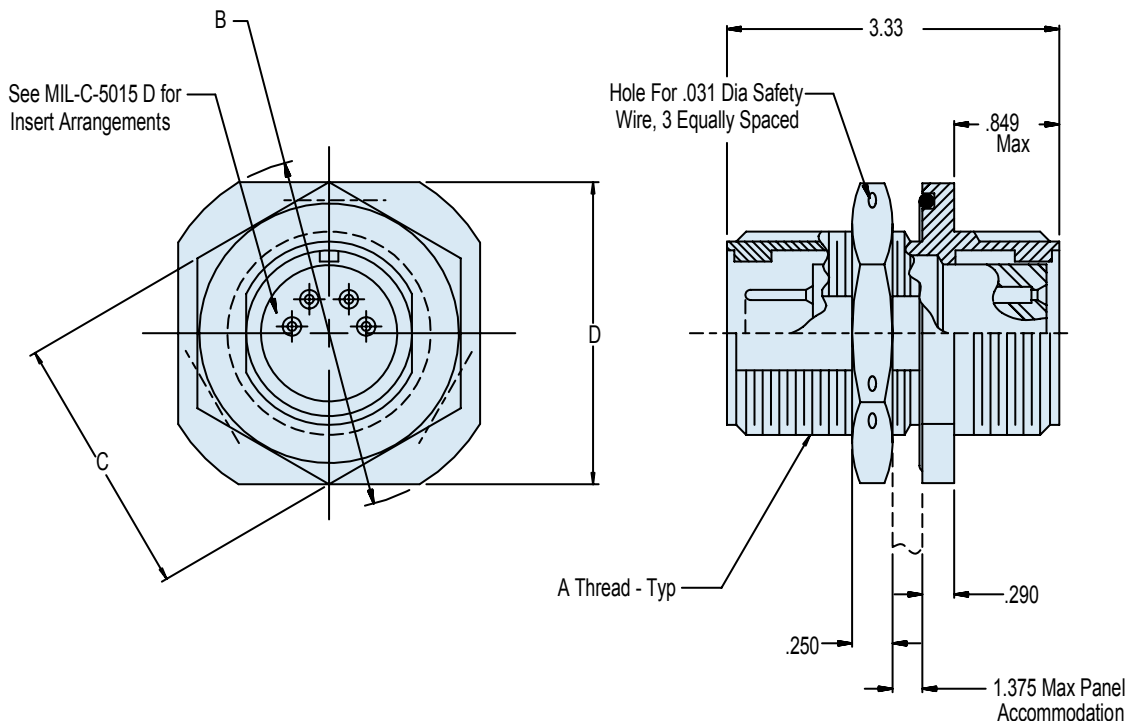
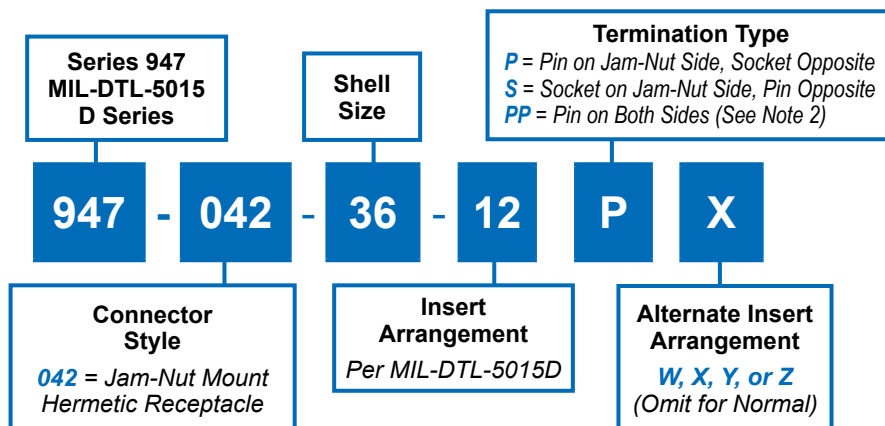


947-042
MIL-DTL-5015 Type Hermetic
Jam Nut Mount Bulkhead Feed-Through D Series Connector
with Pin/Socket Contacts



APPLICATION NOTES

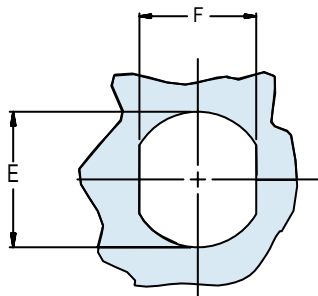
1. Material/Finish:
Jam-nut, hoods, lock-ring, shell* - Stainless steel/passivated.
Contacts - Alloy 52/gold plated.
Insulators - High-grade rigid dielectric, full glass or glass bead.
O-Rings - Silicone/N.A.
2. For pin-to-pin, symmetrical layouts only. Power to a given contact on one end will result in power to contact directly opposite regardless of identification letter.
3. Hermeticity - Less than 1×10^{-7} cc/sec at one atmosphere. Not for use in liquid atmosphere. Connector rated to 200° C and 1000 PSI max.
4. Outgas for space application.
5. To be identified with manufacturer's name, part number and date code, space permitting.
6. Metric Dimensions (mm) are indicated in parentheses.

* Additional shell materials available, including titanium and Inconel®. Consult factory for ordering information.

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MIL-DTL
5015 Type



RECOMMENDED PANEL CUT-OUT

HERMETIC LEAK RATE MOD CODES

Designator	Required Leak Rate
-585A	1 x 10 ⁻¹⁰ cc's Helium per second
-585B	1 x 10 ⁻⁹ cc's Helium per second
-585C	1 x 10 ⁻⁸ cc's Helium per second

TABLE I: CONNECTOR AND CUT-OUT DIMENSIONS

Shell Size	A Thread Class 2A	B Dia Max	C Hex	D Flats	E Dia ± .005 (0.1)	F + .005 -.000 (+0.1 - 0.0)
08	1/2-28 UNEF	1.000 (25.4)	.688 (17.5)	.875 (22.2)	.510 (13.0)	.460 (11.7)
10	5/8-24 UNEF	1.125 (28.6)	.812 (20.6)	1.000 (25.4)	.635 (16.1)	.578 (14.7)
12	3/4-20 UNEF	1.250 (31.8)	.938 (23.8)	1.125 (28.6)	.760 (19.3)	.692 (17.6)
14	7/8-20 UNEF	1.375 (34.9)	1.062 (27.0)	1.250 (31.8)	.885 (22.5)	.817 (20.8)
16	1-20 UNEF	1.500 (38.1)	1.250 (31.8)	1.375 (34.9)	1.010 (25.7)	.942 (23.9)
18	1 1/8-18 UNEF	1.750 (44.5)	1.375 (34.9)	1.625 (41.3)	1.135 (28.8)	1.060 (26.9)
20	1 1/4-18 UNEF	1.875 (47.6)	1.500 (38.1)	1.750 (44.5)	1.260 (32.0)	1.185 (30.1)
22	1 3/8-18 UNEF	2.000 (50.8)	1.625 (41.3)	1.875 (47.6)	1.385 (35.2)	1.310 (33.3)
24	1 1/2-18 UNEF	2.188 (55.6)	1.750 (44.5)	2.000 (50.8)	1.510 (38.4)	1.435 (36.4)
28	1 3/4-18 UNEF	2.438 (61.9)	2.000 (50.8)	2.250 (57.2)	1.760 (44.7)	1.687 (42.8)
32	2-18 UNEF	2.688 (68.3)	2.250 (57.2)	2.500 (63.5)	2.010 (51.1)	1.937 (48.6)
36	2 1/4-18 UN	2.938 (74.6)	2.500 (63.5)	2.750 (69.9)	2.260 (57.4)	2.177 (55.3)

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