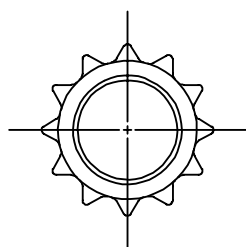




190-015 Composite Plug, 190-016 Composite Jam Nut Receptacle & 190-019 Composite Box Mount Receptacle



40% Glass Filled
Ryton Engineering
Composite
Thermoplastic



190-015-14S-5 P N M

Basic Part Number
 190-015 = Plug Assy
 190-016 = Jam Nut Receptacle Assy
 190-019 = Box Mount Receptacle Assy

Shell Size

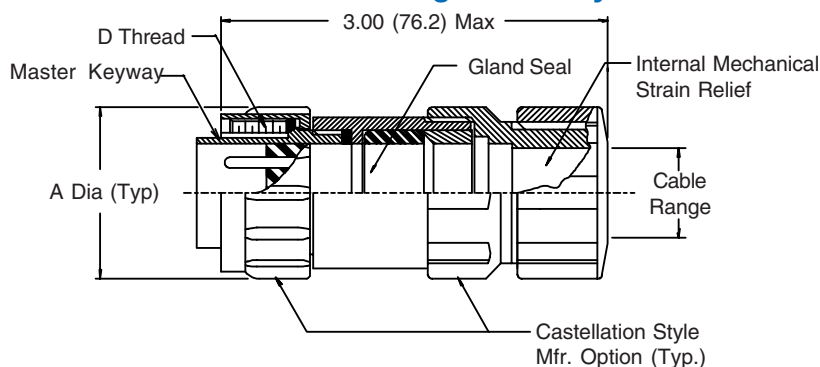
Insert Arrangement Dash No.

M = Molding Adapter, (190-015 and 190-016 Only)
Omit for None

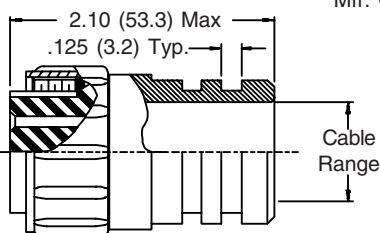
Alternate Insert Position (See Page 27)
N for Normal

Contact Style - P = Pins, S = Sockets

190-015 Plug Assembly

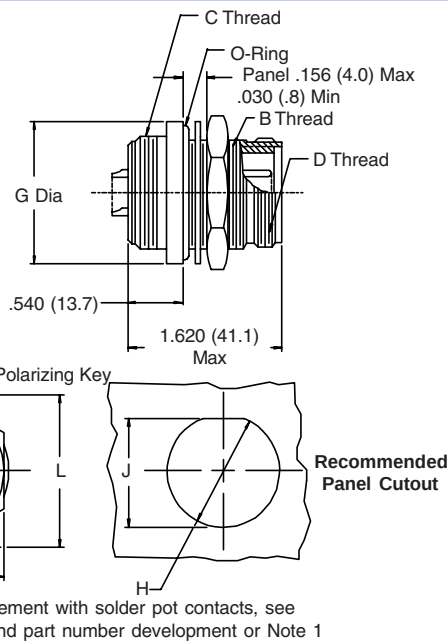


Sym M
Molding Adapter
Option

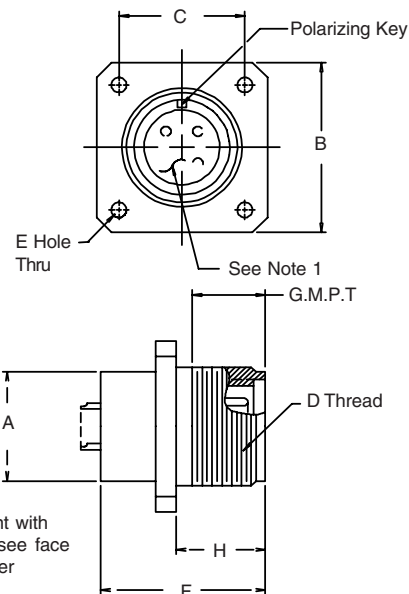


For Environmental Dust
Covers Ref. Glenair P/N
667-009 (plug) and
667-010 (receptacle)

190-016 Jam Nut Receptacle Assembly



190-019 Box Mount Receptacle Assembly



NOTE:
1. Insert arrangement with solder pot contacts, see face views and part number development

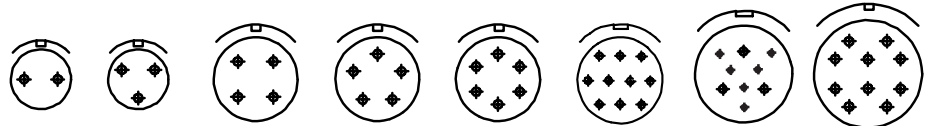
Metric dimensions (mm) are indicated in parentheses

190-015 Composite Plug, 190-016 Composite Jam Nut Receptacle & 190-019 Composite Box Mount Receptacle



5015 Type
Connectors

Insert Arrangements



Shell Size - Insert Arrangement Dash No.	10SL-4	10SL-3	14S-2	14S-5	14S-6	14S-10	16-2	18-1
Contact Size & Quantity	2 - #16	3 - #16	4 - #16	5 - #16	6 - #16	10 - #20	3 - #12, 6 - #20	10 - #16
MS Service Rating	A	A	INST.	INST.	INST.	INST.	INST.	4 A, 6 Inst.
Available Alternate Insert Positions (Degrees rotation clockwise looking into the front of the pin insert)	n/a	n/a	X=120°, Y= 240°	n/a	n/a	n/a	n/a	W=70°, X=145°, Y=215°, Z=290°

DIMENSIONAL DETAILS (190-019)

Shell Size	A Max	B Sq ±.031 (0.8)	C ±.005 (0.1)	D Thread Class 2A	E +.010 (0.3) -.005 (0.1)	F Max	G M.P.T.	H +.031 (0.8) -.000
10SL	.609 (15.5)	1.000 (25.4)	.719 (19.3)	.625 - .1P-1L	.120 (3.0)	1.000 (25.4)	.375 (9.5)	.562 (14.3)
14S	.733 (18.6)	1.188 (30.2)	.906 (25.7)	.875 - .1P-1L	.120 (3.0)	1.000 (25.4)	.375 (9.5)	.562 (14.3)
18	.975 (24.8)	1.375 (34.9)	1.062 (32.0)	1.125 - .1P-1L	.120 (3.0)	1.120 (28.4)	.625 (15.9)	.724 (18.4)

DIMENSIONAL DETAILS (190-015)

Shell Size	D Thread Class 2B	Standard Cable Range Min Max	Length Max
10SL	.625 - .1P-1L	.203 (5.2) .375 (9.5)	3.000 (76.2)
14S	.875 - .1P-1L	.203 (5.2) .375 (9.5)	3.000 (76.2)
18	1.125 - .1P-1L	.328 (8.3) .500 (12.7)	3.000 (76.2)

DIMENSIONAL DETAILS (190-016)

Shell Size	B Thread Class 2A	C Thread Class 2A	D Thread Class 2A	D Dia Max	E Dia +.010 (0.3) -.000	F +.010 (0.3) -.000	G Dia (Flats)	H Max	Cable Range* Min Max
10SL	3/4 - 20 UNEF	5/8 - 24 UNEF	.625 - .1P-1L	1.100 (27.9)	.760 (19.3)	.710 (18.0)	.938 (23.8)	1.090 (27.7)	.210 (5.3) .312 (7.9)
14S	1 - 20 UNEF	7/8 - 20 UNEF	.875 - .1P-1L	1.450 (36.8)	1.010 (25.7)	.960 (24.4)	1.250 (31.8)	1.440 (36.6)	.210 (5.3) .312 (7.9)
18	1 1/4 - 18 UNEF	1 1/8 - 16 UN	1.125 - .1P-1L	1.750 (44.5)	1.260 (32.0)	1.210 (30.7)	1.500 (38.1)	1.730 (43.9)	.310 (7.9) .438 (11.1)

* Cable Range Min. Not Applicable with Molding Adapter Option

Products are manufactured from a 40% glass filled Ryton engineering plastic—a high temperature, injection molded material with good mechanical properties and excellent chemical resistance at elevated temperatures, up to 500° F.

PERFORMANCE RATINGS

Shell, Barrel, Coupling Nut and Rear Accy Hdwr.	High Grade Engineering Thermoplastic
Insulator, O-Ring, Grommet	Nitrile/Neoprene
Grommet Follower (Plug Assy)	Nylon
Contacts	Gold Plated Copper Alloy With Solder Pots
Contact Current Rating	#12: 12.5 Amps; #16: 10 Amps; #20: 7.5 Amps
Rated Operating Voltage	Service Rating INST - 250 VDC Service Rating A - 700 VDC
Dielectric Withstanding Voltage (Hi-Pot)	Service Rating INST - 1000 VRMS Service Rating A - 2000 VRMS
Insulation Resistance	5000 Megohms minimum at 500 VDC and +25°C
Temperature Range	-55°C to +125°C

1. Metric dimensions (mm) are indicated in parentheses.
2. Electrical safety limits must be established by the user. Peak voltages, switching surges, etc., should be used to determine the safety of application.