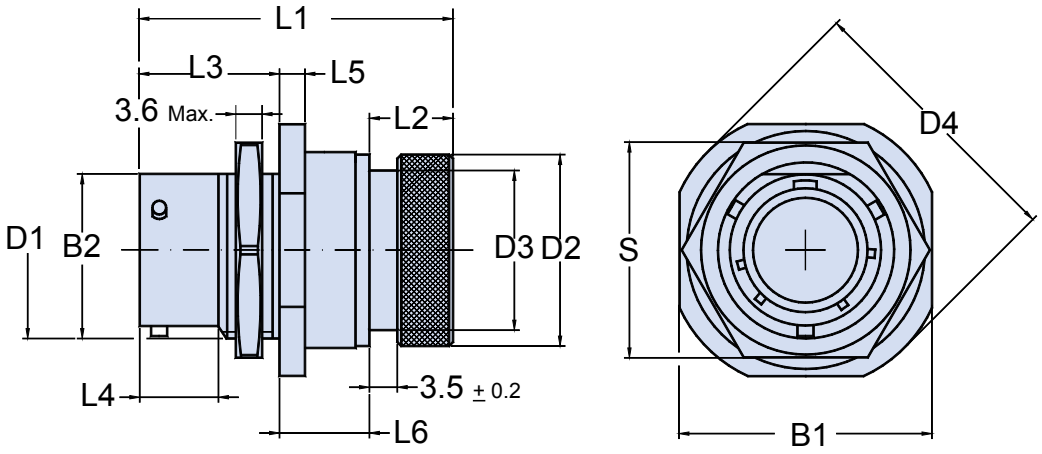
IPT 07 GSE
Rear Panel Mount Jam Nut Receptacle Connector
with EMI/Shrinkboot Backshell

IPT 07 GSE 18-11 S Z XX

- MIL-C-26482 Series I Type
- 07 - Rear Box Mount Jam Nut Receptacle
- Connector Class
  GSE - Crimp Contact/Environmental with EMI/Shrinkboot Backshell
- Shell Size and Insert Arrangements
- Contact Gender
  P - Pin
  S - Socket
- Alternate Insert Rotation (W, X, Y, Z)
  Omit for Normal
- Mod Code Options
  See Table II



APPLICATION NOTES

1. Rear panel mount jam nut receptacle with backshell for termination of EMI shielding and shrinkboot
2. Connector Class “GSE” (crimp contact/environmental).
3. Standard materials configuration consists of aluminum alloy with stainless steel coupling pins.
4. Standard contact material consists of copper alloy with gold plating over nickel.
5. Standard insert is high insulation synthetic rubber.

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TABLE I: DIMENSIONS

Shell size	B1 Max.	B2 + 0 - 0.25	D1	D4 + 0 - 0.8	L1 Max.	L3 + 0.8 - 0	L4 Min.	L5 ± 0.5	L6 ± 0.8	S ± 0.43	Maximum Weight in Grams
8	24.3	13.46	0.5625-24UNEF	27.3	43.0	17.5	9.75	3.0	12.6	19.05	20
10	27.4	16.46	0.6875-24UNEF	30.5	43.0	17.5	9.75	3.0	12.6	22.23	23
12	32.2	20.78	0.8750-20UNEF	35.3	43.0	17.5	9.75	3.0	12.6	26.97	30
14	35.4	23.93	1.0000-20UNEF	38.5	43.0	17.5	9.75	3.0	12.6	30.18	40
16	38.6	27.08	1.1250-18UNEF	41.6	45.5	17.5	9.75	3.0	12.6	33.32	50
18	41.7	30.25	1.2500-18UNEF	44.8	45.5	17.5	9.75	3.0	12.6	36.53	60
20	46.5	33.43	1.3750-18UNEF	49.6	53.5	22.3	11.32	3.8	13.7	39.67	80
22	49.7	36.60	1.5000-18UNEF	52.7	53.5	22.3	11.32	3.8	13.7	42.88	85
24	52.8	39.78	1.6250-18UNEF	55.9	53.5	23.1	12.16	3.8	14.0	46.02	90

TABLE II: MODIFICATION CODES

Shell Finish (Omit for Standard Cad/Olive Drab Finish)	**Assembly with Accessories** (Omit for Standard Version)
F2 - Bright Nickel Plating (RoHs)	Key Polarization (Omit for **N** version) **W, X, Y, Z** = Alternates
F6 - Black Electrodeposited Paint (RoHs)	**N0** - Connector Less Backshell
F7 - Black Zn-Co Plating (RoHs)	**GXXX** - Custom Designed Connector
F8 - Olive Drab Zn-Co Plating	

STANDARD FINISHES (For QQ-A-591 Aluminum Shells)

Requirements	**IAW RoHS**			**Not IAW RoHS**	
	F2 Electrolytic Nickel	**F6 Black Non Conductive**	**F7 Black Conductive**	**G3 Cadmium with Olive Drab Passivation**	**F8 Zinc Cobalt with Olive Drab Passivation**
Thermal Shock	-40°C + 100°C	-55°C + 125°C	-55°C + 125°C	-55°C + 125°C	-40°C + 100°C
Salt Spray After Thermal Shock	24 hour	500 hour	500 hour	500 hour	200 hour
Electical Conductivity	Very Good	NO	Very Good	Very Good	Good
Abrasion Resistance	Very Good	Very Good	Good	Very Good	Good

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