



APPLICATION NOTES

1. Front panel mount square flange receptacle with backshell and PHM cable clamp. Rubber sleeves included to allow use of different diameter cables.
2. Connector Class "A" (non-environmental)—no grommet supplied. PHM connector accessory provides environmental sealing to IP65.
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. A broad range of other front and rear connector accessories are available. See our website and/or contact factory for complete information.
6. Standard insert is high insulation synthetic rubber.

IPT 00 A...PHM_ _
Front Panel Mount Square Flange Receptacle
with PHM Backshell
and Sleeves to Accommodate Various Cable Sizes



TABLE I: DIMENSIONS

Shell size	P.N. PHM	B min. - max.	D Max.	G ±0.4	H ±0.1	L Max.	M ±0.12
8	11	2 - 7	15.0	20.6	15.10	47.0	3.04
10	11	2 - 9	21.0	23.8	18.25	49.0	3.04
12	11	2 - 11	24.0	26.2	20.60	58.0	3.04
14	11	2 - 11	24.0	28.6	23.00	58.0	3.04
16	11	2 - 11	24.0	31.0	24.60	58.0	3.04
18	11 / 18	2 - 11 / 9 - 16.5	42.0	33.3	27.00	75.0	3.04
20	18	9 - 16.5	42.0	36.5	29.35	75.0	3.04
22	18	9 - 16.5	42.0	39.7	31.75	75.0	3.04
24	18 / 22 / 24	9 - 16.5 / 15 - 20 / 19 - 24	42.0	42.9	39.40	75.0	3.73

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)	NXXX - 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