



Application Notes

1. In-line cylindrical receptacle with rear-end for environmental PHM backshell.
2. Connector/Backshell Class "A" (non-environmental)—Not supplied with wire sealing grommet; Class "R" (environmental)—Supplied with grommet.
3. Standard materials configuration consists of aluminum alloy. For platings, see TABLE II finish options.
4. Standard contact material consists of copper alloy with silver plating or gold plating.

ITS 3101 A PHM and ITS 3101 R PHM
ITS 4101 A PHM and ITS 4101 R PHM
In-Line Cylindrical Receptacle Assembly
with Environmental PHM Backshell



TABLE I: DIMENSIONS

Shell Size	PHM Size	ØA +0.2 -0.1	ØB Min. - Max.	K ±0.2	L Max.	M +0.4 -0	ØQ ±0.1
10 SL	9	18.2	2 - 9	2.8	64.0	14.2	21.8
14 S	11	24.5	2 - 11	3.2	66.5	14.2	28.8
16 S	11	27.2	2 - 11	3.2	66.5	14.2	30.5
16	11	27.2	2 - 11	3.2	77.0	19.0	30.5
18	11 / 18	30.7	2 - 11 / 2 - 16.5	4.0	78.0	19.0	33.8
20	11 / 18	34.0	2 - 11 / 2 - 16.5	4.0	78.0	19.0	36.9
22	18	37.3	2 - 16.5	4.0	78.5	19.0	39.5
24	18 / 22 / 24	40.9	2 - 16.5 / 15 - 20 / 19 - 24	4.0	83.5	20.6	43.9
28	18 / 22 / 24	46.7	2 - 16.5 / 15 - 20 / 19 - 24	4.0	89.5	20.6	48.4
32	22 / 24	53.4	15 - 20 / 19 - 24	4.0	94.5	22.2	56.0
36	35	59.6	23 - 35	4.0	106.0	22.2	62.4
40	35	65.5	23 - 35	4.0	106.0	22.2	68.6

TABLE II: MODIFICATION CODES

STANDARD MATERIAL AND FINISH (*)		
Sym	Description	RoHS
	Omit for Aluminum/ Cadmium Olive Drab	
F6	Aluminum/ Black Electrodeposited Paint	✓
F7	Aluminum/ Black Zinc Nickel	✓
F11	Aluminum/ Electroless Nickel	✓
MB	Marine Bronze/ Unplated	✓
FK	Stainless Steel/ Passivate	✓

TABLE III

ELASTOMER OPTIONS	
Sym	Description
	Omit for Polychloroprene Elastomer
FR	Fire Resistant Elastomer
S	Silicone Elastomer

TABLE IV: MODIFICATION CODES

CONTACT OPTIONS	
Sym	Description
B0	Connector without Contacts**
B1	Connector with Gold Plated Contacts
Omit for standard version (Silver plated)	

(*) For further options, please contact the factory.

(**) Crimp Contacts Only