

# JB5 SERIES CONNECTORS

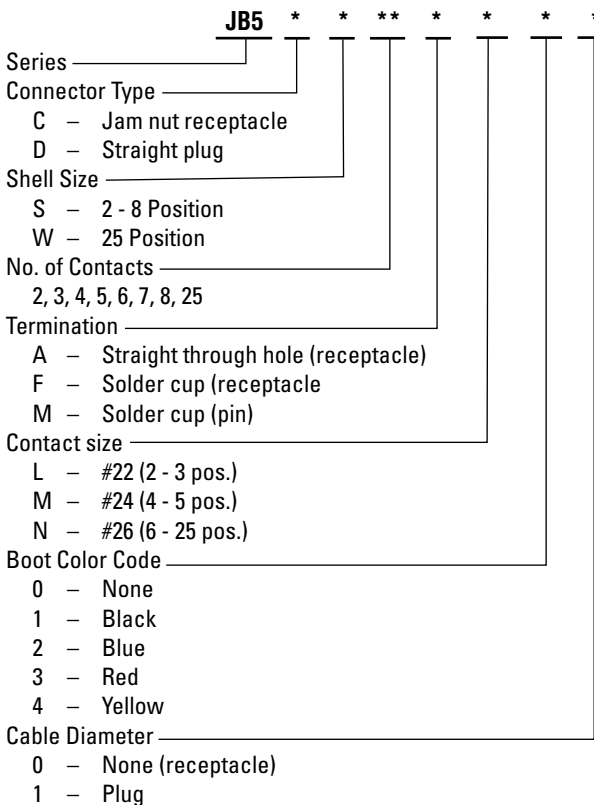
## General Purpose Waterproof Circular Connector



### FEATURES

- Waterproof to IP68 rating
- Push-pull locking structure
- Audible "click" confirms secure locking when mating
- Metal outer parts and ground terminal installed in receptacle to ensure shield effect
- Mis-mating can be prevented with color boot variations
- Operates at speeds up to 20Mbps (based on USB 1.1)
- 5,000 mating cycles

### ORDERING INFORMATION



The Micro Circular JB5 is a small diameter circular connector with watertight sealing to IP68 and a convenient secure push-pull mating system. This product is excellent for use in devices such as handheld PCs, handheld scanners, medical monitors and other devices used in outdoor or splash-prone environments.

### GENERAL SPECIFICATIONS

Number of Contacts	2, 3, 4, 5, 6, 7, 8
Current Rating	2 Amp per contact
Dielectric Withstanding Voltage	750 VAC r.m.s. (for one minute)
Insulation Resistance	1000 megohms min.
Contact Resistance	50 megohms max.
Operating Temperature	-55°C to +85°C
Applicable wire size	#22, #24, #26, #28 AWG

### MATERIALS AND FINISHES\*

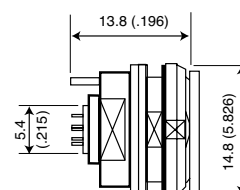
#### •Receptacle

Description	Materials/Finishes
Insulator	Glass filled LCP
Contact	Copper/ Gold plating 0.76µm (.030") over Nickel
Shell	Copper/ Chromium Plated
O Ring	Synthetic rubber
Gasket	Synthetic rubber
Assembly Nut	Copper/ Chromium Plated

#### •Plug

Description	Materials/Finishes
Insulator	Glass filled LCP
Contact	Copper/ Gold plating 0.76µm (.030") over Nickel
Barrel	Zinc/ Nickel Plated
Coupling nut	Copper/ Chromium Plated
Spacer	Copper/ Nickel Plated
Spring	Copper/ Nickel Plated
Shield sleeve	Copper/ Nickel Plated
Bushing	Synthetic rubber
Gland nut	Copper/ Chromium Plated
Clamp	Copper/ Nickel Plated
Boot	Elastomer
Outer boot clamp	Synthetic resin

Connector Profile (Ref.)



\* Please consult JAE for verification of product availability.

Dimensions in mm (inches).