

# Cannon Trident Connectors

Snap Together - Rectangular

## How to Order

Typical Nomenclature: TST 02 P A 0 0 \*



**Series**  
TST = Trident Snap Together

**Number of Contacts**  
02  
03  
04  
06  
12  
24  
36

**Plating Style**  
T = Tin  
Y = Gold  
Z = Gold Flash  
\* = None (no contacts)

**Contact Type**  
0 = No Contacts (Standard for Plug and Panel Mounted Receptacle)  
1 = Machined Solder Tail Pin  
2 = Machined Solder Tail Socket  
5 = Formed Stamped Solder Tail Pin  
6 = Formed Stamped Solder Tail Socket

**Color of Moulding**  
0 = Black

Type	
PA	Plug; Free
RB	Receptacle; For PCB, with Mounting Lugs
RA	Receptacle; Panel Mounting (delivered without any contacts)
RR	Receptacle, For PCB, 90° Right Angle Mounting (only for 12 position connectors with machined contacts)
AS	Accessory; Receptacle Shroud
AH	Accessory; Plug Strain Relief Hood

## Test Specifications

The table below summarizes the results of key tests. Data is applicable to standard connectors with standard contacts. Variations may affect this data, so please consult factory for further information on your requirements.

Test	Method	Criteria of Acceptance
Dielectric Withstanding Voltage	2000 V ac	No breakdown
Thermal Shock	-55°C to +125°C (-67°F to +257°F), 5 cycles	No physical damage
Physical Shock	50 g's peak, 3 axes, 11 millisecond duration half-sine pulse	No physical damage. No loss of continuity >1 sec
Vibration	10 g's peak, 10-500 Hz, 9 hours	No physical damage, No loss of continuity >1 sec
Durability	500 cycles of mating and unmating, 500 mating cycles max	No mechanical or electrical defects
Salt Spray	48 hours	Shall be capable of mating and unmating and meet contact resistance requirements
High Temperature Endurance	1000 hours at 125°C (+257°F)	Insulation Resistance > 100 MΩ
Humidity Steady State	RH 90-95%, 40°C (+104°F), 504 hours	Insulation Resistance > 100 MΩ
Moisture Resistance	10 Cycles	Insulation Resistance > 100 MΩ



Dimensions shown in mm (inch)  
Specifications and dimensions subject to change

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