



Trident T2P and T3P Contacts

Versatility, performance and reliability

Ultrareliable, fully proven and delivering outstanding performance - the Trident contact system is fully interchangeable and utilized throughout the Trident connector series, and is an ideal choice for alternative connector series requiring an outstanding contact system.

Both the two-piece stamped and formed T2P contacts and the three-piece machined T3P contacts feature three retention latches and an optimized body shape which provides excellent contact alignment and ultrasecure mating.

Available in wire size AWG 14 to 26 (0.08 - 2.5 mm²) in brass and high conductivity copper alloy, with tin, gold, and flash-gold plating options there is a Trident contact for all requirements.

Simple and fast to work with, Trident contacts are supported by a full range of tooling including hand extraction and crimp tools and automatic applicators and pneumatic crimp tools.

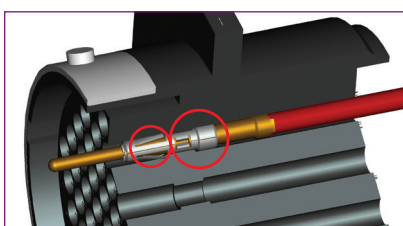


The ITT CANNON Difference:

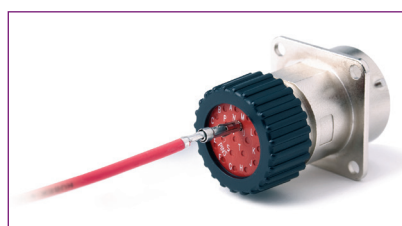
- Global capabilities and local support
- Proven application expertise
- Over a century of interconnect leadership
- A committed innovator and business partner

Features:

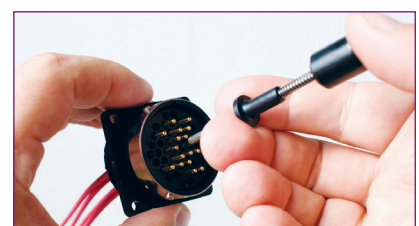
- Contacts fully interchangeable between Trident connector series
- Available as two-piece stamped and formed (T2P) and the three-piece machined (T3P) contacts
- Durability up to 500 mating cycles
- Brass and high conductivity copper alloy variants, with tin, gold and flash-gold plating
- Available in wire size AWG 14 to 26 (0.08 - 2.5mm²)
- Full range of support tooling available



Precise contact alignment and secure mating due to three retention latches and an optimized body shape



Simple, quick and secure hand insertion of contacts



Smooth and easy contact removal with extraction tool

Trident T2P		Trident T3P		
<ul style="list-style-type: none"> Two piece formed (stamped) contact For up to 200 mating cycles 		<ul style="list-style-type: none"> Three piece machined contact For up to 500 mating cycles 		
Standard Crimp	High Conductivity Crimp	Machined Crimp	Solder Cup	Flow Solder (PCB)

Technical and Performance Data					
Supported wire sizes	AWG 14 to 26	AWG 14 to 26	AWG 16 to 26	AWG 14 to 26	-
Current rating	13 A	16 A	13 A	13 A	Up to 30 A
Contact Resistance (initial)	5 mΩ	5 mΩ	5 mΩ	5 mΩ	5 mΩ
Mechanical endurance	Up to 200 insertions	Up to 200 insertions	Up to 500 insertions	Up to 500 insertions	Up to 500 insertions
Body material	Brass	Copper Alloy	Brass	Brass	Brass
Retention spring material	Stainless Steel	Stainless Steel	Beryllium Copper	Beryllium Copper	Beryllium Copper
Contact retention force (min)	67 N	67 N	67 N	67 N	67 N
Plating Availability					
Tin	Yes	Yes	Yes	Yes	Yes
Gold Flash (0,1 μm)	Yes	Yes	Yes	Yes	Yes
Gold	0,75 μm	0,75 μm	0,4 μm (pin) 0,75 μm (socket)	0,4 μm (pin) 0,75 μm (socket)	0,4 μm (pin) 0,75 μm (socket)
Connector/Contact Capability					
Trident Snap Together Standard (TST)	Yes	Yes	Yes	Yes	Yes, pre-installed
Trident Snap Together Slimline (TST)	Yes	Yes	Yes	Yes	Yes, pre-installed
Trident Flame Retardant (TFR)	Yes	Yes	Yes	Yes	Yes, pre-installed
Trident Ringlock (TR)	Yes	Yes	Yes	Yes	Yes
Trident Neptune (TN)	Yes	Yes	Yes	Yes	Yes
Trident Neptune Metal (TNM)	Yes	Yes	Yes	Yes	-
CTC	Yes	Yes	Yes	-	-
APD 6/7-way	Yes	Yes	-	-	-
VRPC	Yes	Yes	Yes	Yes	Yes, pre-installed

Tooling Options include:



Hand tool for stamped contacts



Hand tool for machined contacts



Extraction tool



Mini applicator for stamped contacts



Pneumatic crimp tool for machined contacts

Why ITT

ITT is a focused multi-industrial company that designs and manufactures highly engineered critical components and customized technology solutions. ITT's Cannon brand is a leading global manufacturer of connector products serving international customers in aerospace, defense, medical, industrial and transportation end markets. ITT's Connector business, which also includes the Veam and BIW Connector Systems brand, manufactures and supplies a variety of connectors and interconnects that make it possible to transfer data, signal and power in an increasingly connected world.

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