

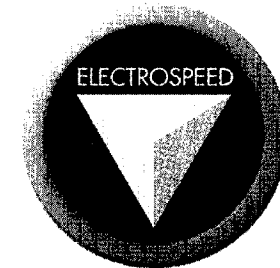
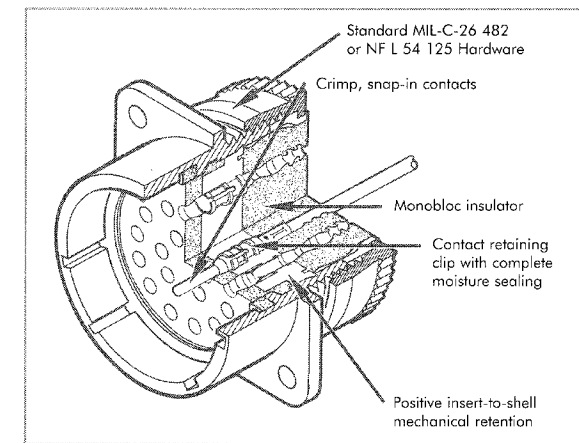
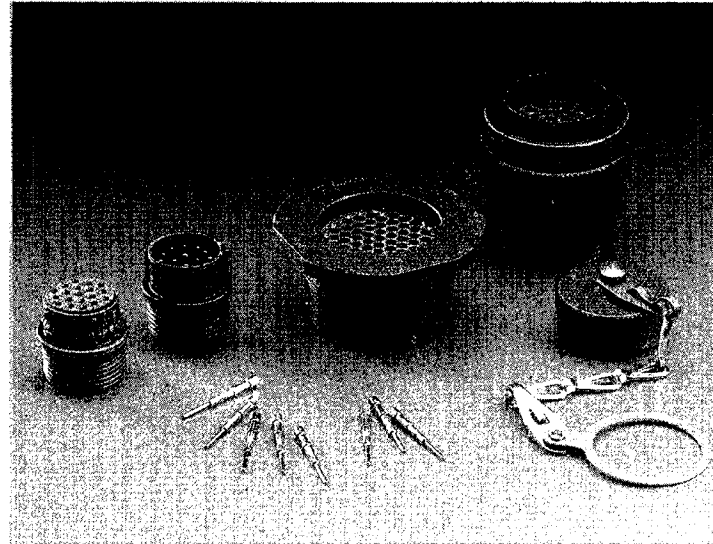
• KPT/KPSE

Brief summary

The miniature circular connector series KPT and KPSE from ITT Cannon are manufactured according to MIL-C-26482 with three point bayonet coupling and five-keyway polarisation. The high density contact arrangements, encased in an aluminium shell and plated with Cadmium is sealed to environmental ingress. Two versions, general purpose solder (KPT) and high performance crimp (KPSE) are available, both of which conform to the same military specification and are interchangeable and exchangeable with other MIL-C-26482 connectors.

Rapid disconnect and positive reconnect via the bayonet coupling ensure high reliability and performance making the product ideal for automotive and machine tool applications.

In addition to the basic cadmium shell plating a zinc cobalt finish is also available which provides a higher corrosion resistance.



Application

Military and Industrial applications requiring a high density, miniature, resilient connector.

- Industrial machinery
- Telecommunications
- Harsh environment instrumentation
- Offshore and ships
- Automotive
- Off-road vehicles

Features

- Format - high density package supporting 2 to 61 circuits provide miniature connectivity
- Environment - operating without penalty in conditions ranging from -55°C to +125°C
- Conductivity - both solder and crimp contacts are gold plated to provide the highest quality. Socket contacts are closed to eliminate damage from test probes and to help correct misalignment

circular connector selection guide

Information	Trident Ringlock	Trident Neptune	Trident TNM	CD-COME	MS & CA E,F & R	CA-B	KPT KPSE	JC Series
IP Rating	IP60/IP67*	IP67	IP67	IP60	IP65	IP67	IP65	IP60
Approval	UL, CSA	UL, CSA	UL, CSA	-	MIL-C-5015	VG95234	MIL-C-26482	JIS-C-5432
Number of Contacts	4 to 48	12 to 48	12 to 19	1 to 37	1 to 61	1 to 65	2 to 61	3 to 24
Shielded	-	-	Yes	-	Yes	Yes	Yes	-
Operating Current (max)	13A	30A	16A	41A	245A	245A	22A	10A
Operating Temperature	-55 to 105°C	-55 to 105°C	-55 to 105°C	-55 to 125°C	-55 to 125°C	-55 to 125°C	-55 to 125°C	-
Shell Material	Nylon/ Copper Alloy	Nylon/ Copper Alloy	Zinc Alloy	Aluminium Alloy	Aluminium Alloy	Aluminium Alloy	Aluminium Alloy	Aluminium Alloy
Shell Plating	Nickel	Nickel	Nickel	Nickel	Cadmium	Cadmium	Cadmium or Zinc Cobalt	Nickel
Contact Type								
Crimp	Yes	Yes	Yes	Yes	Yes**	Yes	Yes	No
Solder	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PC	Yes	No	Yes	Yes	No	Yes	Yes	No
Contact Plating	Tin or Gold	Tin or Gold	Tin or Gold	Tin	Silver or Gold	Silver or Gold	Gold	Silver
Mating Cycles	Max 500	Max 500	Max 500	Min 500	Min 500	Min 500	Min 500	Min 500
Wire Gauge	14 to 28 AWG	12 to 28 AWG	14 to 28 AWG	6 to 16 AWG	0 to 26 AWG	0 to 26 AWG	12 to 24 AWG	16 to 20 AWG
Coupling Type	Bayonet	Bayonet	Bayonet	Thread or Bayonet	Screw Thread	Bayonet	Thread or Bayonet	Bayonet

* The Trident Ringlock range will only seal to IP67 if using jacketed cable and a sealed cable clamp.

** Crimp contacts are only available in the CA range.