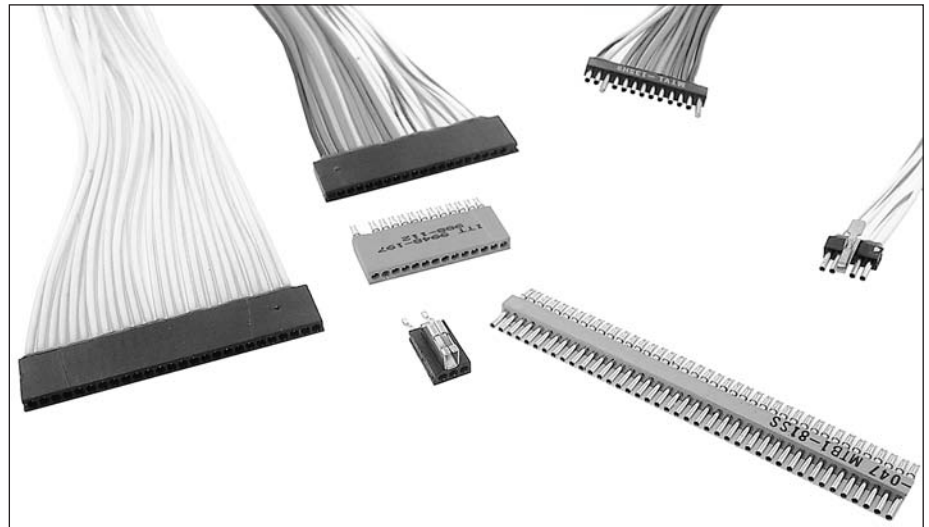


The Micro Strip (MT) microminiature connectors provide an extremely dense and reliable interconnection solution in a minimum profile package. They meet or exceed the applicable requirements of MIL-DTL-83513. MT connectors utilize the Cannon MicroPin System. This system features seven points of electrical contact. It assures high normal force, excellent wipe and superior shock and vibration performance.

Applications:

- Industrial Systems
- Instrumentation
- Medical Equipment
- Radar – Ground Based
- Satellites



 For more information: www.ittcannon.com/cat324

Product Features

- Micropin/Microsocket contacts, unique twist pin and solid tubular socket.
- Quick disconnect latches.
- Fully potted wire terminations.
- Pre-wired for ease of installation.

Performance Specifications

Connector Durability	500 mating cycles, 500 cycles per hour max.
Contact Current Rating	3 A max.
Contact Resistance	8 mΩ max. at 3 A; 10 mΩ max. at 1 mA
Contact Retention	2,27 kg (5 lbs) min. axial force
Contact Spacing	MTB1/MTV1: 1,27 (.050); MTB2/MTV2: 2,54 (.100)
Contact Termination	Crimp; PC Tails, Straight and 90°; Solder Cup
Coupling	Friction or Latch
DWV	600 V ac at sea level (crimp); 150 V ac at sea level (solder cup)
Insulation Resistance	5000 MΩ min. at 500 V dc
Latch Retention	2,27 kg (5 lbs) min.
Mating/Unmating Force	8 oz. max. per contact/.5 oz. min. per contact
Number of Circuits	MTB: Up to 81; MTV: Up to 120
Operating Temperature	MTB: -55°C to 149°C (-65°F to 300°F) MTV: -65°C to 125°C (-65°F to 257°F)
Polarization	Guide Post
Shell Style	Plug and Receptacle
Shock	50 g (force)
Size or Length	MTB: 153,42 (6.04) max. MTV: 103,89 (4.09) max.
Vibration	20 g (force)
Wire Size	#32 AWG to #24 AWG (solid or stranded)

Materials and Finishes

Description	Material	Finish/Treatment
Insulator	MTB: Glass-filled Diallyl Phthalate	—
	MTV: Glass-filled Polyester	—
Contact	Copper Alloy	50 μ in. Gold over Copper Flash
Guide Post	Stainless Steel	Passivated
Latch	Stainless Steel	Passivated
Standard Epoxy	Hysol	—

 Please contact your local Cannon representative: www.ittcannon.com/support/ContactUs