

ITT Cannon Military/High Reliability D-Sub connectors



RECTANGULAR CONNECTOR SUITED FOR NETWORK AND COMMUNICATION PORTS

ITT Cannon Military/High Reliability D-Sub connectors are used in many applications, including aerospace, transportation, communication systems, information systems and test equipment. The D-Sub connectors with fixed contacts in solder cup, straight and 90° PC contact terminations are engineered to be comparable to MIL-C-24308. As the inventor of the D-Sub connector, ITT Cannon has used its extensive design expertise and high quality manufacturing processes to ensure the optimum performance and reliability. As the largest ITT Cannon distributor, PEI-Genesis is able to offer you the best inventory and selection of these connectors.

APPLICATIONS

- Medical Equipment
- Hand Held Test Equipment
- Robotics
- Bar Code Scanners
- Data Transmission

FEATURES

OPTIMIZATION OF SPACE

Military/High Reliability D-Sub connectors are ideal for applications that require optimization of space. Engineered to be comparable to Mil-DTL-24308 specification, ITT Cannon Military/High Reliability D-Sub connectors have various mating cycle contacts from 200-500 mating cycles.

VERSATILE CONTACT COMBINATIONS

These connectors offer various contact plating levels of gold over nickel. The contacts are machined, high-reliability, stamped and formed. In addition to the versatility of the contact, they are also cost effective.

FLEXIBILITY

As the inventor of the D-Sub connector, Cannon still has the broadest offering in the industry. ITT Cannon D-Subs offer thousands of styles, mounting options, contacts and plating - including Stainless Steel Shells.

PCB contacts: Straight, Right Angle, US and European spacing

Contacts: Crimp and Solder

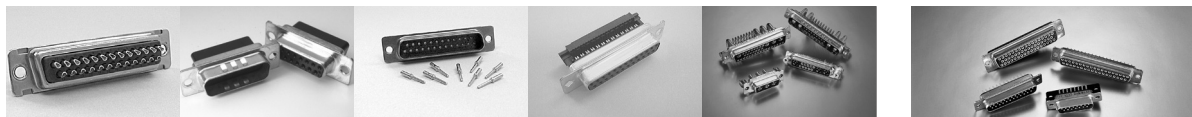
Shell platings/material: Zinc-plated, Cadmium-plated, Stainless Steel

Insert arrangements: Standard density and high density

Wide range of M85409 backshells: Straight and Right Angle

Please view the specifications for the various shell and contact platings available.

FEATURES





CANNON D-SUB PREFIX	D*	D*A	D*U	D*SF	D*M	D*M	D*MA
D-SUB FAMILY	ORIGINAL D	COMMERCIAL D	BURGUN- D	FLAT CABLE IDC D	COMBO D	MARK I	MARK II
TERMINATION							
SOLDER CUP	X	-	-	-	X	X	-
CRIMP AND INSERT	-	X	X	-	X	-	X
STRAIGHT PC	X	-	X	-	X	X	-
RIGHT ANGLE PC	X	-	X	-	X	X	-
WIRE WRAP	X	-	-	-	X	X	-
IDC	-	-	-	X	-	-	-
PRESS FIT	-	-	-	-	-	-	-
PRE-WIRED	-	-	-	-	-	-	-
CONTACT STYLE							
MACHINED	X	-	X	-	X	X	X
STAMPED & FORMED	X	X	X	X	++H	-	X
COMBO	-	X	-	-	X	-	X
HIGH DENSITY	-	-	-	-	-	-	X
DOUBLE DENSITY	-	-	-	-	-	-	-
MICRO (SUPER HIGH DENSITY)	-	-	-	-	-	-	-
TECHNICAL SPECIFICATION							
SHELL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL
PLATING	TIN	TIN	TIN	TIN	TIN	TIN/CAD	TIN/CAD
INSULATOR	THERMO PLASTIC, UL94V0	THERMO PLASTIC, UL94V0	THERMO PLASTIC, UL94V0	THERMO PLASTIC, UL94V0	THERMO PLASTIC, UL94V0	THERMO PLASTIC, UL94V0	THERMO PLASTIC, UL94V0
CONTACT	COPPER ALLOY	COPPER ALLOY	COPPER ALLOY	COPPER ALLOY	COPPER ALLOY	COPPER ALLOY	COPPER ALLOY
PLATING	GOLD OVER NICKEL	GOLD OVER NICKEL	GOLD OVER NICKEL	GOLD OVER NICKEL	GOLD OVER NICKEL	GOLD OVER NICKEL	GOLD OVER NICKEL
CURRENT IN AMPS	5	5†	5	1	7.5†	7.5	7.5
TEMPERATURE	-55°C TO 125°C	-55°C TO 105°C	-55°C TO 105°C	-55°C TO 105°C	-55°C TO 125°C	-55°C TO 125°C	-55°C TO 125°C
TEST VOLTAGE AT SEA LEVEL	1250 VAC	500 VAC	1000 VAC	750 VAC	1250 VAC SIGNAL 1000 VAC COAX/ HIGH POWER 2800 VAC HIGH VOLTAGE	1000 VAC	1200 VAC
CONTACT RESISTANCE MAX.	10 MILLIOHMS	15 MILLIOHMS	7.34 MILLIOHMS	-	-	7.34 MILLIOHMS	7.34 MILLIOHMS
AVAILABLE PC FOOT PRINTS	.283-.318 . .454-.489 9.4-10.2MM	-	-	-	.283-.318 .454-.489 9.4-10.2MM	.283-.318 .454-.489 9.4-10.2MM	-
QUALIFICATIONS	-	-	-	-	-	M24308	M24308

† For signal contacts

++Up to 40 amp on power 5 amp in coax and high voltage

All dimensions in inches, unless otherwise stated.

FEATURES

							
CANNON D-SUB PREFIX	D*NG	D*W	D*M* NM*	ZD*	ZED*	D*JK D*JT	2D*
D-SUB FAMILY	PRESS FIT D	DISCRETE WIRE IDC	SPACE D	LOW COST COMMERCIAL D		FILTER D	DOUBLE DENSITY
TERMINATION							
SOLDER CUP	-	-	X	-	-	X	-
CRIMP AND INSERT	-	-	X	X	-	-	X
STRAIGHT PC	-	-	X	X	-	X	X
RIGHT ANGLE PC	-	-	X	X	X	X	X
WIRE WRAP	-	-	X	-	-	-	-
IDC	-	X	-	-	-	-	-
PRESS FIT	X	-	-	-	-	-	-
PRE-WIRED	-	-	-	-	-	-	-
CONTACT STYLE							
MACHINED	-	-	X	-	-	X	-
STAMPED & FORMED	X	-	-	X	X	-	X
COMBO	-	-	X	-	-	-	-
HIGH DENSITY	-	-	X	X	X	-	-
DOUBLE DENSITY	-	-	-	-	-	X	-
MICRO (SUPER HIGH DENSITY)	-	-	-	-	-	-	X
TECHNICAL SPECIFICATION							
SHELL	STEEL	STEEL	ALUMINUM BRASS STEEL	STEEL	STEEL	STEEL	STEEL
PLATING	TIN	TIN	ZINC/CAD/GOLD	TIN	TIN	TIN	TIN/CAD/ZINC
INSULATOR	THERMO PLASTIC UL94V0	THERMO PLASTIC UL94V0	THERMO PLASTIC UL94V0	THERMO PLASTIC UL94V0	THERMO PLASTIC UL94V0	THERMO PLASTIC UL94V0	THERMO PLASTIC UL94V0
CONTACT	COPPER ALLOY	COPPER ALLOY	COPPER ALLOY	COPPER ALLOY	COPPER ALLOY	COPPER ALLOY	COPPER ALLOY
PLATING	GOLD OVER NICKEL	GOLD OVER NICKEL	GOLD OVER NICKEL	GOLD OVER NICKEL	GOLD OVER NICKEL	GOLD OVER NICKEL	GOLD OVER NICKEL
CURRENT IN AMPS	5	3	5	5	5	5	5
TEMPERATURE	-55°C TO 125°C	-55°C TO 125°C	-55°C TO 125°C	-55°C TO 105°C	-55°C TO 105°C	-55°C TO 125°C	-55°C TO 85°C
TEST VOLTAGE AT SEA LEVEL	1200 VAC	1000 VAC	1250 VAC SIGNAL 1000 VAC COAX/ HIGH POWER 2800 VAC HIGH VOLTAGE	1000 VAC	1000 VAC	250Vdc (100VDC WORKING)	1000 VAC
CONTACT RESISTANCE MAX.	10 MILLIOHMS	15 MILLIOHMS	7.34 MILLIOHMS	15 MILLIOHMS	10 MILLIOHMS	10 MILLIOHMS	9 MILLIOHMS
AVAILABLE PC FOOT PRINTS	-	-	-	283-.318 .454-.489 9.4-10.2MM	283-.318 .454-.489 9.4-10.2MM	-	-
QUALIFICATIONS	-	-	M24308 311P 340100101B	-	-	-	-

All dimensions in inches, unless otherwise stated.