The Cannon DL4 Series of Zero Insertion Force (ZIF) connectors feature: a **minimum** rated life of 20,000 complete mating and unmating cycles with no performance loss; can be mated and unmated in less than two seconds even with as many as 2496 contacts; and they cost less (often as much as 25% less) per mated line than singular, high density rack and panel connectors.
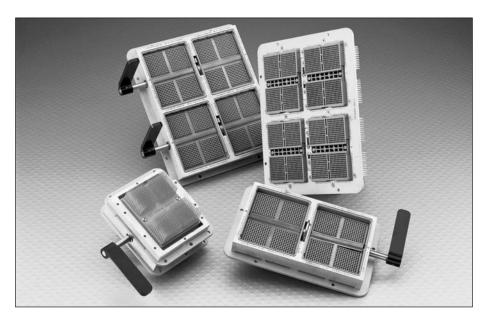
Applications:

- Test & Instrumentation

(i) For more information: www.ittcannon.com/cat165

Product Features

- High pin count: 624, 1248 or 2496 contact positions.
- Variety of contacts:
  — Crimp
  — Square PCB Post
  — Square Wrap Post
  — Buss
- Metal housing.
- Easy actuation by actuating handle.

Performance Specifications

Connector Durability	20,000 mating cycles min.
Contact Resistance	15 mΩ max. - Crimp/Square Post Contact 20 mΩ max. - Crimp #32 AWG to #30 AWG Contact
Contact Retention	35,585 N (8 lbs) min.
Contact Spacing	2,54 (.100) Square Grid
Contact Termination	Buss; Crimp; Square PCB Post; Square Wrap Post
Current Rating	5 A max. - Crimp/Square Post Contact 10 A, 20 A, 30 A, 40 A, 50 A, 60 A max. - Buss Contact
DWV	750 V ac rms
Insulation Resistance	5000 MΩ min.
Operating Temperature	−55°C to 71°C (−67°F to 159.8°F)
Wire Accommodation	#42 AWG to #18 AWG

Materials and Finishes

Description	Material	Finish/Treatment
DL4 Housing Frame	Aluminum Alloy	Cadmium
DL4 Mounting Frame	Aluminum Alloy	Clear Annodized
DL4 Insulator	Glass-filled Thermoplastic, UL 94V-1	Color: Gray
Crimp Contact◇	Copper Alloy	Engaging Area: 50 μ in. Gold over 50 μ in. Nickel Terminating End: Gold Flash
Crimp Contact◇	Copper Alloy	Engaging Area: 20 μ in. Gold over 50 μ in. Nickel Terminating End: Tin-Lead
Square Post Contact	Copper Alloy	Engaging Area: 50 μ in. Gold over 50 μ in. Nickel Terminating End: Gold Flash
Square Post Contact	Copper Alloy	Engaging Area: 20 μ in. Gold over 50 μ in. Nickel Terminating End: Tin-Lead
Insulator Retainer (Plug Only)	Stainless Steel	Passivated
Actuating Camshaft (Receptacle Only)	Stainless Steel	Passivated

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

◇ Order crimp contacts separately.