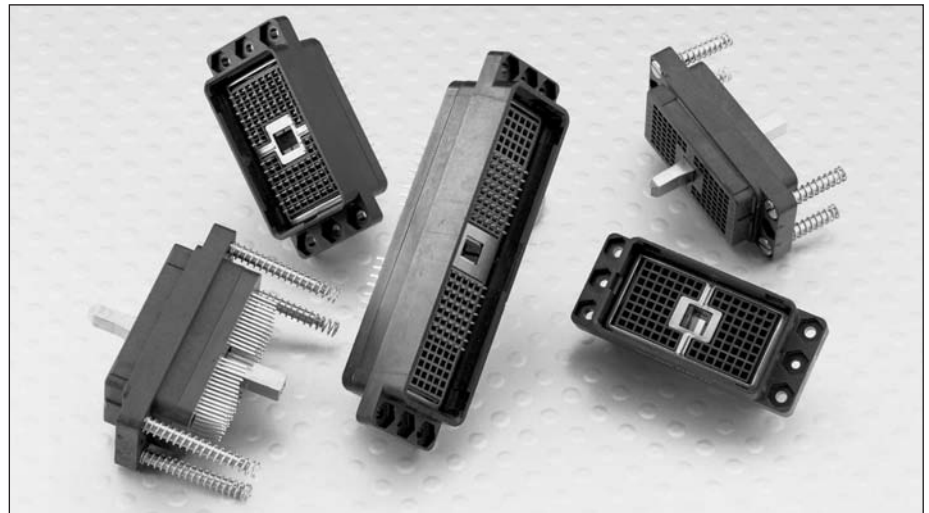


Cannon has combined Zero Insertion Force (ZIF) technology with remote electrical engagement. The DLD Drawer allows the movement of a drawer or panel to effortlessly mate/unmate the connector halves. As an example: electrical sub-systems can be easily removed for service, interchangeability, or portability.

The contacts in the DLD Drawer product line do not touch each other while the connector halves are mating. This unique ZIF technology, introduced in the Cannon DL series in the early 1970's, has time-tested proven reliability and durability.

Applications:

- Test & Instrumentation



 For more information: www.ittcannon.com/cat166

Product Features

- High pin count: 96 or 156 contact positions.
- Variety of contacts:
 - Crimp
 - Square PCB Post
 - Square Wrap Post
- Plastic housing.

Performance Specifications

| | |
|-----------------------|---|
| Connector Durability | 100,000 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 | Crimp; Square PCB Post; Square Wrap Post |
| Current Rating | 5 A max. - Crimp/Square Post Contact |
| DVV | 1200 V ac rms - Crimp/Square Post Contact |
| Insulation Resistance | 5000 MΩ min. |
| Number of Contacts | 96, 156 |
| Operating Temperature | -55°C to 105°C (-67°F to 221°F) |
| Wire Accommodation | #42 AWG to #18 AWG |

Materials and Finishes

| Description | Material | Finish/Treatment |
|---|--------------------------------------|--|
| DLD1/2 Housing | Glass-filled Thermoplastic, UL 94V-1 | Color: Black |
| 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: Gold Flash |
| Insulator Retainer (Plug Only) | Stainless Steel | Passivated |
| Actuating Camshaft (Receptacle Only) | Stainless Steel | — |
| Spring Mounting Screw (Receptacle Only) | Stainless Steel | Passivated |
| Compression Spring (Receptacle Only) | Music Wire | Zinc |

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

◇ Order crimp contacts separately.