



Datasheet for part number MDB1-51SL1F

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| Our Catalog Part Number: MDB1-51SL1F                                     |
| Our Global Manufacturing Part Number: 095489-0121                        |
| Brand: Cannon Product Category: Micro Product Line: Micros Series: MICRO |

| Product Datasheet               |  |
|---------------------------------|--|
| Series                          | Micro D Plastic Shell - 0.050 inch spacing           |
| Arrangement                     | 51 Contact   |
| Gender                          | Socket   |
| Contact Material                | Gold plated copper alloy                             |
| Contact Typ                     | Crimp  |
| Contact Resistance              | 8 milliohms max.                                     |
| Termination Type                | 0.5" Min, #25AWG                                     |
| Shell Material                  | Glass-filled thermoset plastic                       |
| Insulator Material              | Diallyl phthalate with mounting holes                |
| Hardware                        | Float Mount  |
| Coupling                        | Friction Coupling                                    |
| Current Rating                  | 3 A max.   |
| Dielectric Withstanding Voltage | 600 VAC at sea level<br>150 VAC at 70,00' altitude   |
| Insulator Resistance            | 5000 megohms min.                                    |
| Thermal Shock                   | -55°C to +125°C                                      |
| Physical Shock                  | 50 G's, 3 axes, 6 milisecond duration sawtooth pulse |
| Vibration                       | 20G's, 10-2000 Hz. 12 hours                          |
| Durability                      | 500 cycles of mating and unmating, 500 CPH max.      |
| Moisture Resistance             | Insulator resistance > 100 megohms                   |
| SaltSpray                       | 48 hours   |