

# Power Supply Voltage & Signal CAM-D50, CCM-D51

## FEATURES

1. 16 pin power connector of an angle type on the plug side.
2. The lock device ensures secure fitting.
3. A fuse is mountable to the plug connector.
4. Configured for 2 power supply contact pins and 14 signal contact pins.
5. Connectors can be fixed by using screws.
6. 70% smaller in volume, and 75% smaller in footprint compared to MITSUMI's conventional product.



## HOW TO ORDER

### 1. CAM-D50 (Plug)

**D50-016-02 0-I J B I A**  
 1 2 3 4 5 6 7 8 9

- 1 Series No. (D50)
- 2 No. of contacts (016 : 16pins)
- 3 Housing material (02 : PBT resin)
- 4 Housing UL grade (0 : UL94V-0)
- 5 Contact plating (I : Tin reflow plating)
- 6 Contact plating thickness (J : 3.0μm)
- 7 Contact tail style (B : Angle)
- 8 Accessory for connector outside (I : Nut)
- 9 Accessory for connector inside (A : None)

### 2. CCM-D51 (Socket)

**D51-016-3539A**  
 1 2 3

- 1 Series No. (D51)
- 2 No. of contacts (016 : 16pins)
- 3 Product Specifications.

## SPECIFICATIONS

### ELECTRICAL CHARACTERISTICS

Rated Voltage	14V DC
Rated Current	Signal terminal : 5A (Power supply terminal : 10A)
Withstanding Voltage	500V AC (rms) 1 minute
Insulation Resistance	100MΩ min. (at 500V DC)
Contact Resistance	15mΩ max.

### MECHANICAL CHARACTERISTICS

Life (Matching Cycle)	200 times
Total Insertion Force	88.2N (9kgf) max.
Total Withdrawal Force	9.8N (1.0kgf) min.
Using Temperature Range	-35~+85°C

