



**THE DATASHEET OF
BM24-10DS/2-0.35V(51)**

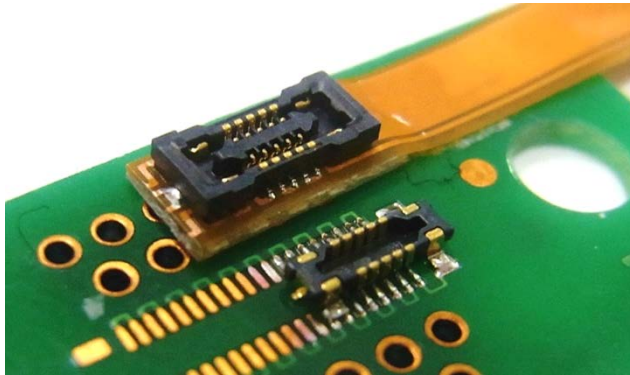




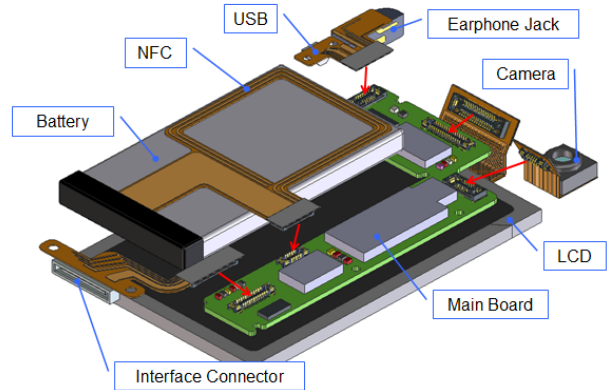
BM24 Series

Small Hybrid Board to FPC Connectors up to 5 Amps

MKT-E-13094F_2



◆ Connection Image



◆ Features

1. Power & signal hybrid connector is suitable for power line connection in various applications
2. Space saving design:
2.3 x 5.25 mm (10 pos.) with 0.8 mm height, 0.35 mm lead pitch
3. Rated current: 5 Amps for power, 0.25 Amp for signal
4. Supports USB3.0 transmission
5. Highly reliable 2-point contact structure
6. Guidance ribs for 0.3 mm self-alignment range
7. RoHS compliant, Halogen-free product*1

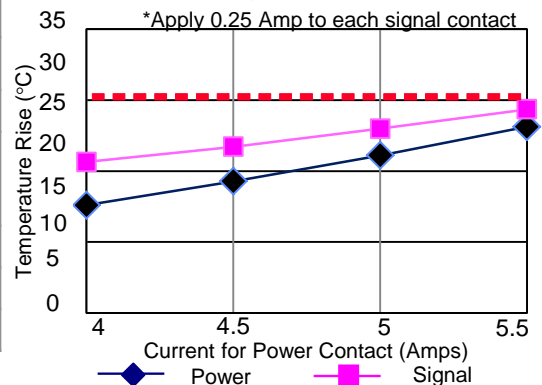
◆ Specifications

COMPONENT	MATERIAL	FINISH
Housing	LCP*1	UL94V-0, Black
Contact	Copper Alloy	Gold plated over Nickel under plating

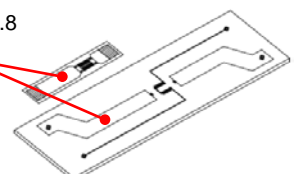
Rated Current	Power Contact: 5 Amps, Signal Contact: 0.25 Amp
Rated Voltage	30 V AC/DC
Operating Temperature	- 40 to + 85 °C*2
Contact Resistance	Power Contact: 15 mΩ, Signal Contact: 100 mΩ (Measured at 20 mV AC, 1 kHz, 1mA)
Withstanding Voltage	150 V AC for 1 minute
Insulation Resistance	100 MΩ MIN. (100 V DC)
Durability	10 times

◆ Up to 5 Amps/ Power Contact

Temperature rising with 5 Amps current carrying is less than 30 °C



Pattern Width: 4 mm
PCB FR-4: 70 x 20 x 0.8
Copper Foil: 35 μm



◆ Variations

10, 20, 24, 30, 40 pos.


*1: This product satisfies halogen free requirements defined as 900 ppm maximum chlorine, 900 ppm maximum bromine, and 1500 ppm maximum total of chlorine and bromine.

*2: Include the temperature rising by current carrying.

Specifications herein are subject to change without notice. Contact Hirose for latest specifications, drawings or availabilities.


Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

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