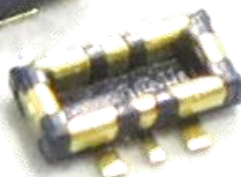
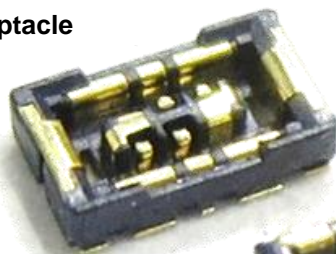


HRS

BM29 Series

Ultra Compact Hybrid Board to FPC Connectors

Receptacle



Plug



◆ Features

1. The world smallest size*¹ contributes to downsizing and flexible design of mobile devices.
 - Pitch: 0.35 mm, Depth: 1.5 mm, Stacking Height: 0.6 mm
2. Features power contacts combination and enables 3 Amps power delivery.
 - Rated current: 3 Amps for power, 0.3 Amps for signal
3. Unique metal guides prevent the housing damage due to offset mating.
4. Secure mating with clear tactile click
6. RoHS compliant, Halogen-free product*²

*1: As of Jul. 2015

*2: 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.

◆ Specifications

COMPONRNT	MATERIAL	FINISH, REMARKS
Housing	LCP	UL94V-0, Black
Contact	Copper Alloy	Gold plated over Nickel under plating

Rated Current	Power Contact: 3 Amps, Signal Contact: 0.3 Amps*
Rated Voltage	30 V AC/DC
Operating Temperature	-40 to +85 °C*
Contact Resistance	Power Contact: 30 mΩ, Signal Contact: 100 mΩ (Measured at 20 mV AC, 1 kHz, 1 mA)
Withstanding Voltage	150 V AC for 1 minute
Insulation Resistance	1000 MΩ MIN. (100 V DC)
Durability	10 times

*Include the temperature rising by current flow.

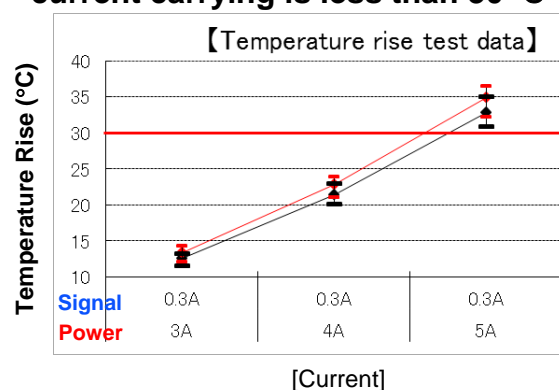
◆ Variations

Mass Production: 2 pos. (2 pos. for signal+2pos. for power)
Under Development: 6 pos., 10 pos.

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

◆ Up to 3 Amps/ Power Contact

Temperature rising with 3 Amps current carrying is less than 30 °C



(Test Board Specifications):

Pattern Width: 3 mm
PCB FR-4: 70 x 20 x 0.8
Copper Foil: 35 μm

