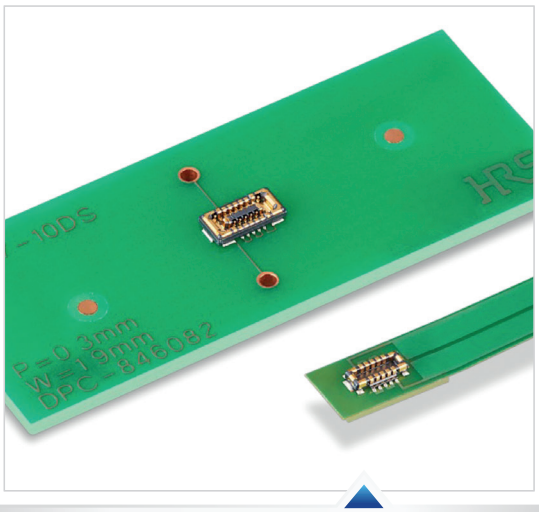
New Product Introduction
BM57 Series

Data Sheet

Click Here To Order Sample Number: US-BM57SAMPLE-22



Power Contact Saves Space

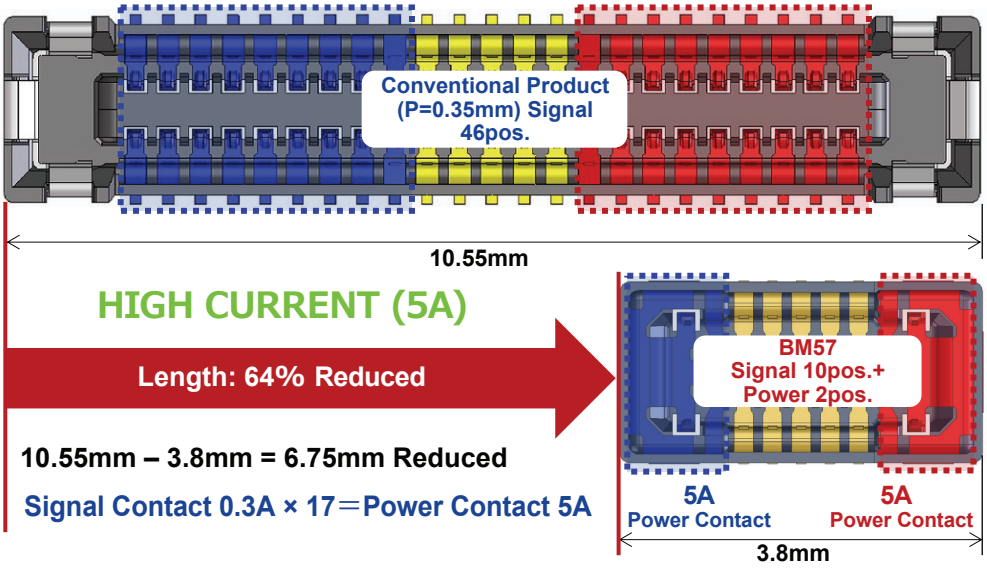
BM57 Series

0.3mm Pitch, 0.6mm Stacking Height, 1.9mm Width
Low-Profile Hybrid FPC-to-Board Connector Supporting 5A

FEATURES:

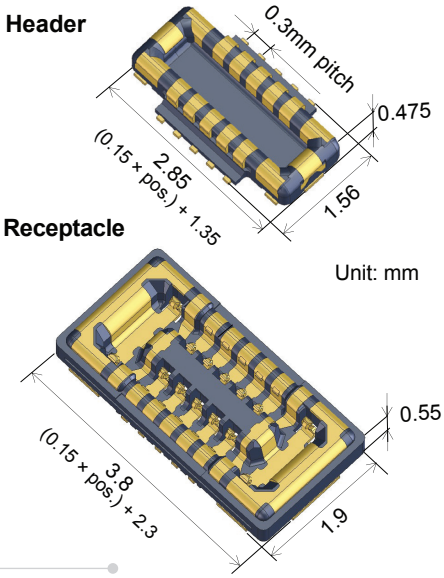
1. Low-profile design with high power supply capacity
   - Rated current: 5A for power contact, 0.3A for signal contact
   - 0.6mm stacking height, 1.9mm width
2. Full armored design prevents housing damage
3. Easy mating operation with wide self alignment range
4. Insert molded header and receptacle design
   - Solder Wicking Prevention
5. Multi-point soldering enhances PCB peeling strength

1. Low-profile design with high power supply capacity

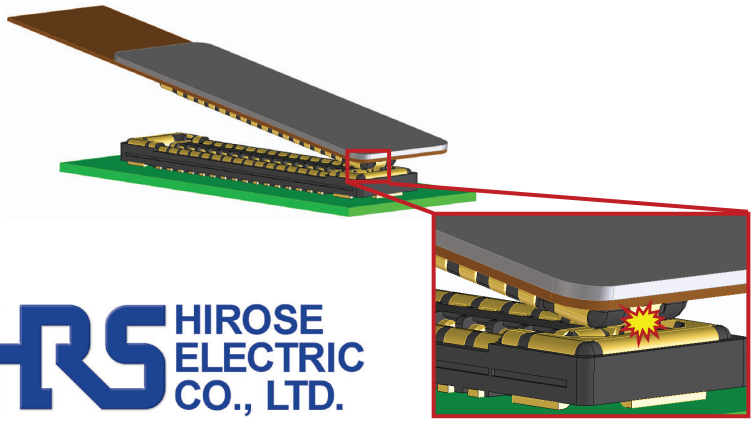


DIMENSIONS

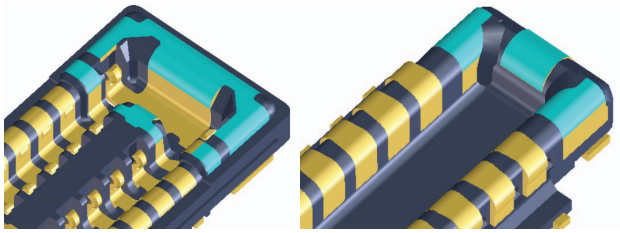
Example: 10pos.



2. Full armored design prevents housing damage



ALL MATING SURFACES COVERED BY METAL



HIROSE ELECTRIC CO., LTD.

3. Easy mating operation with wide self alignment range

SELF-ALIGNMENT RANGE

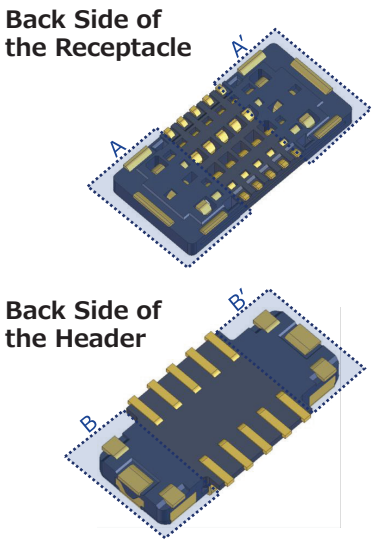
Pitch Direction: ±0.3mm
Width Direction: ±0.22mm

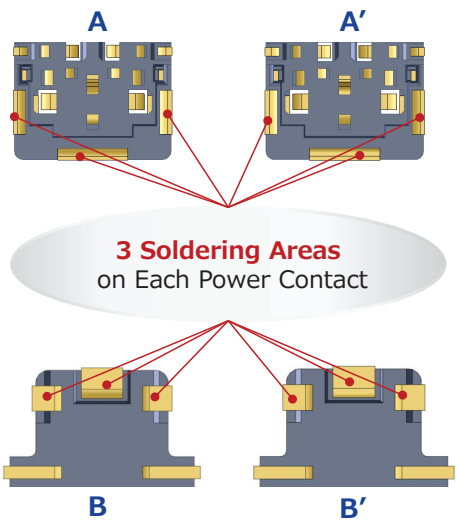
METAL GUIDE RIBS

Effectively uses dead space to expand self-alignment range when mating

Enhanced PCB Peeling Strength

3 Soldering Areas on Each Power Contact





Specifications

MATERIAL AND FINISH		
Component	Material	Finish, Remarks
Housing	LCP*1 Copper	Black, UL94V-0
Signal Contact	Copper Alloy	Gold Plated (Nickel Underplating)
Power Contact	Copper Alloy	Gold Plated (Nickel Underplating)

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

PERFORMANCE CHARACTERISTICS	
Rated Current	Power Contact: 5A Signal Contact: 0.3A
Rated Voltage	30V AC/DC
Operating Temperature	-55 to +85°C*2
Contact Resistance	Power Contact: 30mΩ Max. Signal Contact: 90mΩ Max.
Withstanding Voltage	100V AC for 1 min.
Insulation Resistance	50MΩ Min. (100V DC)
Mating Durability	10 times

*2 Includes the temperature rise due to current flow.

- Pin Count Variation: 10pos.

For additional information please go to
https://www.hirose.com/product/series/BM57
Specifications herein are subject to change without notice.
Contact Hirose for latest specifications, drawings, or availabilities.

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