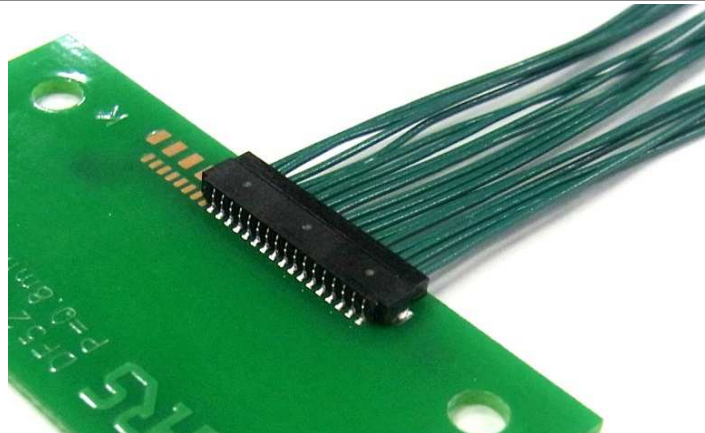


DF52 Series

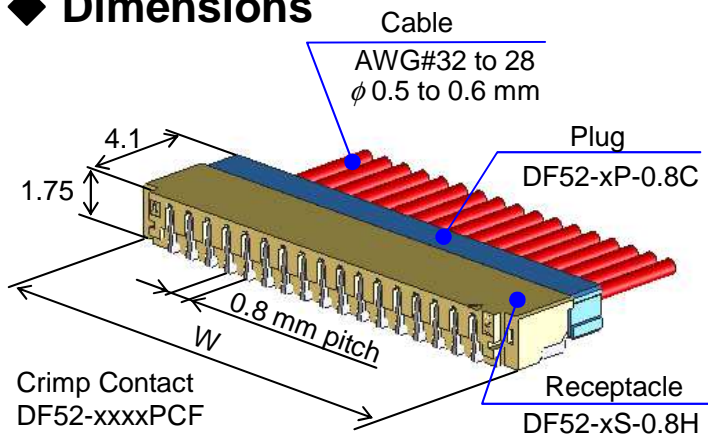
0.8 mm pitch, Small & Robust Wire to Board Connector



◆ Features

1. 0.8 mm pitch, 1.75 mm height 4.1 mm depth small connector
2. Rated up to 2.5 Amps MAX with AWG#28, 2 pos.
3. Robust design is tolerant of cable wiring.
4. High contact lance strength
5. Box shape crimp contact prevents deformation
6. Supports cables with jacket O/D 0.5 to 0.6 mm, AWG#32 to 28
7. RoHS compliant, halogen-free product
8. Will be UL approved

◆ Dimensions



| | 2 | 3 | 4 | 5 | 6 | 8 | 10 |
|------------|------|------|------|------|------|------|------|
| Width (mm) | 3.8 | 4.6 | 5.4 | 6.2 | 7.0 | 8.6 | 10.2 |
| | 12 | 14 | 15 | 16 | 17 | 20 | - |
| Width (mm) | 11.8 | 13.4 | 14.2 | 15.0 | 15.8 | 18.2 | - |

◆ Variation

Mass Production: 2, 3, 4, 5, 6, 8, 10, 12, 14, 15, 16, 17 and 20 pos.*

* Technically available up to 25 pos.
Please consult your sales representative for details.

◆ Material & Finish

| | Item | Material | Finish |
|------------|----------------|--------------|----------------|
| Receptacle | Housing | Polyamide | UL94V-0, Black |
| | Contact | Copper Alloy | Tin plating |
| | Metal Fitting | Brass | Tin plating |
| Plug | Housing | Polyamide | UL94V-0, Black |
| | Crimp Terminal | Copper Alloy | Tin plating |

◆ Performance Characteristics

| Rated Current (Value in case all pins used for power) | | AWG28 | AWG30 | AWG32 |
|--|---|----------|----------|----------|
| | 2 pos. | 2.5 Amps | 2.0 Amps | 1.5 Amps |
| | 3 to 5 pos. | 2.0 Amps | 1.5 Amps | 1.0 Amps |
| | 6 to 10 pos. | 1.5 Amps | 1.2 Amp | 0.8 Amp |
| | 12 pos. or more | 1.2 Amps | 1.0 Amp | 0.8 Amp |
| Rated Voltage | AC/DC 100V | | | |
| Contact Resistance | 10 mΩ Max. (20mV, 1mA) | | | |
| Insulation Resistance | 100 MΩ Min. (DC 100V) | | | |
| Withstanding Voltage | AC 300V, for 1 minute | | | |
| Operating Temperature Range | -40 °C to +85 °C (Includes temperature rise during current flow) | | | |
| Applicable Cable | AWG#32 to 28, φ 0.5 to 0.6 mm | | | |
| Durability | 20 times | | | |

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