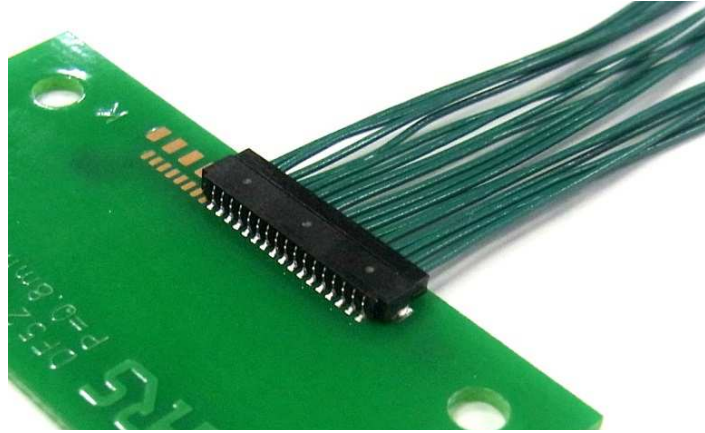


## DF52 Series

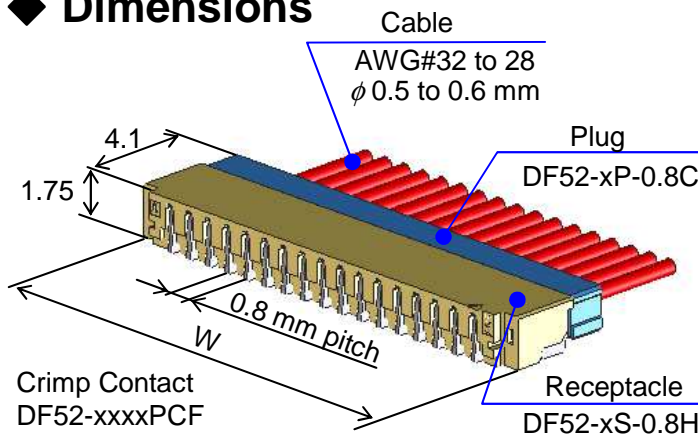
### 0.8 mm pitch, Small & Robust Wire to Board Connector



#### ◆ 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, ø 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.