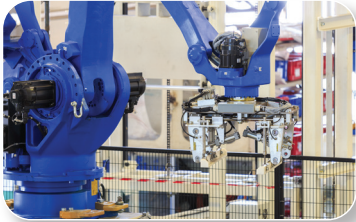


Applications:



Industrial Robots



Office Automation



Smart Meter



Positive-Lock



P=2.0mm



Wide Variation

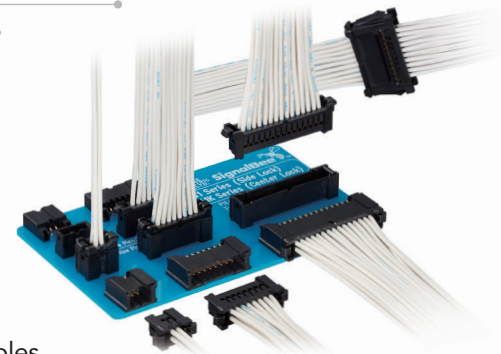


Introducing the DF51B Series – Branch Connector

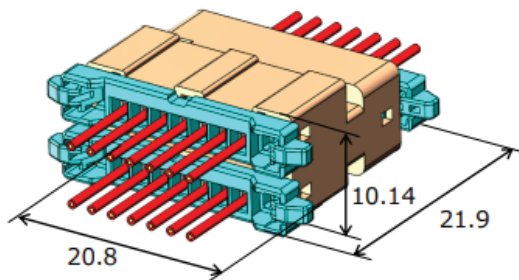
Discover the DF51B Connector by Hirose: a 2mm pitch, positive lock connector tailored for versatility. It offers a range of configurations including straight, right-angle, and branching. With its user-friendly side lock design, you're guaranteed an effortless and reliable connection. Designed to withstand strain, it's adaptable for varied cable types and proudly UL/C-UL certified.

2mm Pitch, Positive Lock, Crimp Type Connector

- Wide varieties satisfy various customer requirements, Straight/Right angle/ In-line Connection/Branch, Single/Dual row, Gold/Tin Plating, etc.
- Side lock design enables user-friendly operation and reliable connection
- High contact lance strength prevents contact pulling loose while wrenching the cables
- Applicable Cable: 22-30 AWG
- UL/C-UL certified

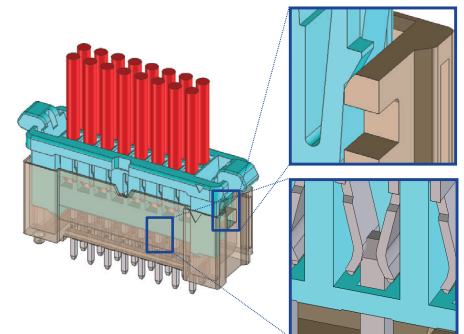


Branch Connector

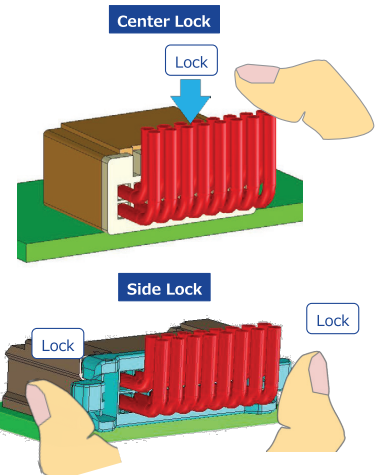


Secure Mating

Clear Tactile Click
Prevents Incomplete
Insertion



Lock Design



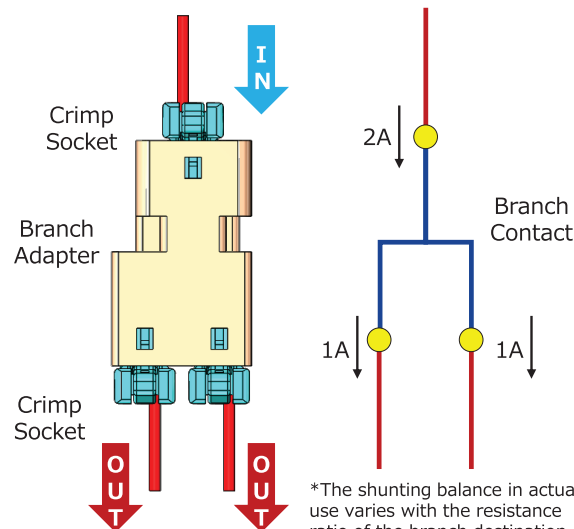
Branch Design

The use of the adapter allows
the current to branch

Simplified Wiring Contributes
to Small Size and Light
Weight Applications

CLICK HERE
FOR MORE INFORMATION

CLICK HERE TO ORDER
SAMPLE NUMBER:
US-DF51BSAMPLE-23

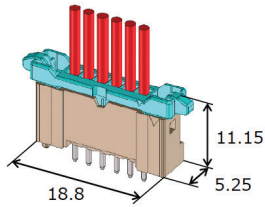


Reduces Overall System Size

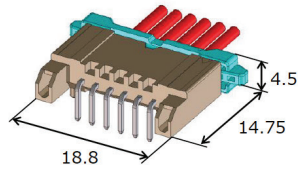
Dimensions

Straight

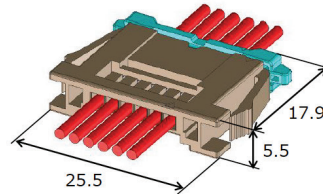
Single-row, Ex: 6pos.



Right Angle

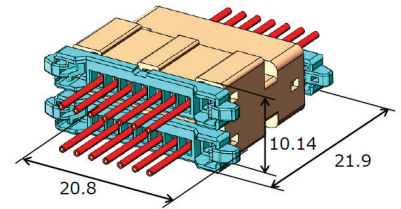


In-line Connection

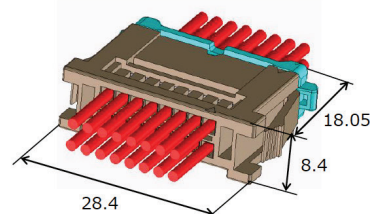
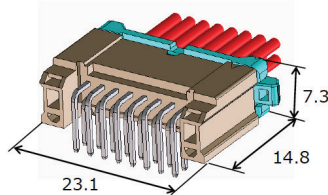
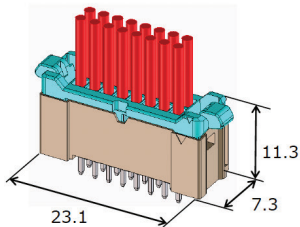


Branch

Single-row, Ex: 7pos.



Dual-row, Ex: 16pos.



Specifications

MATERIAL & FINISH

Housing	Header	PBT	UL94V-0, Black
	Socket	PBT	UL94V-0, Black
	Adapter	PBT	UL94V-0, Black
Header Contact		Brass	Tin Plated or Gold Plated (Nickel Underplating)
Adapter Contact		Brass	Gold Plated (Nickel Underplating)
Crimp Contact		Phosphor Bronze	Tin Plated or Gold Plated (Nickel Underplating)

CHARACTERISTICS

Rated Current		Pos.	22 AWG	24 AWG	26 AWG	28 AWG	30 AWG
	Single-Row	2	3A	2.5A	2A	1A	0.5A
		3-7	2A	2A			
	Dual-Row	4	3A	2.5A			
		6-30	2A	2A	1.5A		
Rated Voltage	250V AC/DC						
Operating Temperature	-55 to +105℃*						
Contact Resistance	30mΩ Max. (20mV, 1mA)						
Withstanding Voltage	650V AC for 1 min.						
Insulation Resistance	1000MΩ Min. (500V DC)						
Mating Durability	30 times (Sn), 50 times (Au)						

- Variations: Single row_2-6pos., Dual row_4-30pos., Single row (branch)_2-4,6,7pos.
- Applicable cable: 22 to 30 AWG
- RoHS compliant

* Including the temperature rising by current flow.



For additional information please go to
www.hirose.com/product/series/DF51

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

STAY CONNECTED

