

## Applications



Industrial Robot



Medical Equipment



Manufacturing Equipment



Positive-Lock



Power Supply



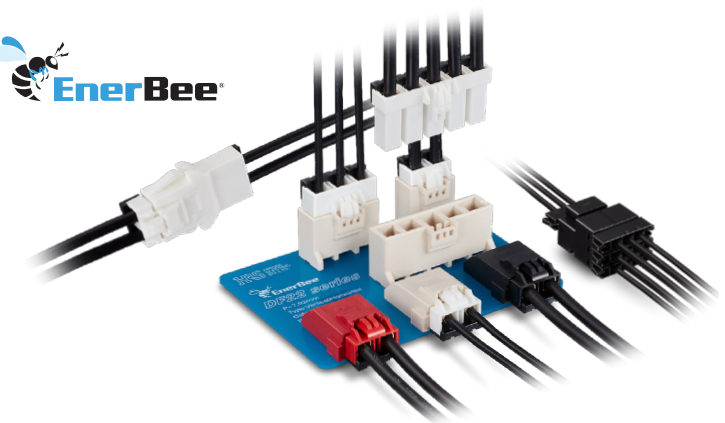
Wide Variation

**Introducing Hirose's DF22B Series—a compact branch adapter engineered for high-current power distribution. With a 7.92 mm pitch and rated up to 30 A/contact at 1000 V AC/DC, the DF22B reduces wire usage and routing space, shortens wiring length, and streamlines panel layouts—helping lower overall system cost.**

Available in standard (cable-tie) and flange/screw versions for secure mounting, the DF22B uses crimp terminations for strong electrical and mechanical performance. UL/C-UL/TÜV approved, it supports 50 mating cycles and operates from -55°C to +85°C, making it ideal for semiconductor tools, robots, conveyors, mounting equipment, and service robots.

### KEY BENEFITS OF THE DF22B SERIES INCLUDE:

- Rated up to 30 A/contact at 1000 V AC/DC for compact, high-current branching.
- 7.92 mm pitch adapter housing reduces wiring complexity and cost.
- Branch adapter design minimizes wiring length and routing space, lowering overall system cost.
- Two options: standard (cable-tie mounting) and flange/screw type for secure panel or housing attachment.
- Crimp terminations provide strong electrical and mechanical performance—no soldering required.
- UL, C-UL & TÜV safety compliance; 50 mating cycles; -55 °C to +85 °C operating range

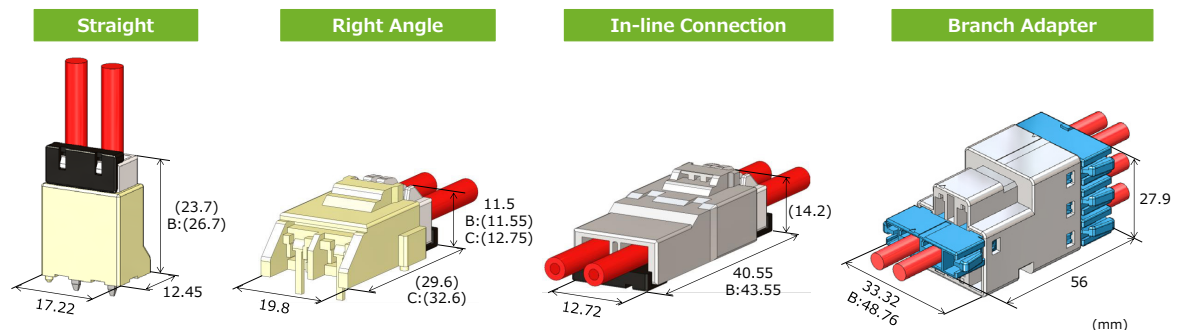


## Dimensions

**Single-row,  
Ex: 2pos.**

**CLICK HERE  
FOR MORE INFORMATION**

**CLICK HERE TO ORDER  
SAMPLE NUMBER:  
US-DF22BSAMPLE-25**



### Combination Example

Socket	DF22-2S-7.92
Retainer	DF22-2RS/P-7.92
Header	DF22-2P-7.92DSA
B: when using High Profile type	

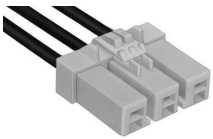
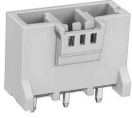
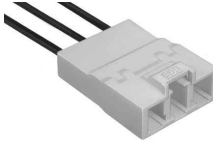
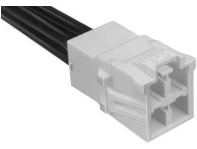


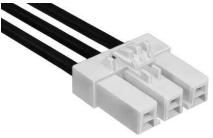


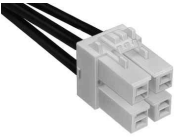

Socket	DF22-2S-7.92
Retainer	DF22-2RS/P-7.92
Header	DF22-2P-7.92DS
B: when using High Profile type C: when using Enhanced ergonomic lock	

Socket	DF22-2S-7.92
Retainer	DF22-2RS/P-7.92
In-line Plug	DF22A-2EP-7.92C
Retainer	DF22B/C-2RS/P-7.92
B: when using High Profile type	

Branch Socket	DF22S-2S-7.92C
Branch Adapter	DF22BA-2EP-7.92A-3PRT
B: when using Flange Type	

\*Branch socket does not require a retainer.

## Many Varieties

<b>Socket (Standard)</b> 	<b>Header (Straight)</b> 	<b>In-line Plug</b> 	<b>Double-row In-line Plug</b> 	<b>Socket (Branch)</b> 	<b>Branch Adapter (Standard)</b> 
<b>Socket* (High Profile Type)</b> 	<b>Header (Right Angle Type)</b> 	<b>In-line Plug (Panel Lock Type)</b> 	<b>Double-row In-line Socket</b> 	<b>Branch Adapter (Flange)</b> 	

\*Non-branching DF22 has three keyings / color options, and type with larger lock for enhanced operability is also available.

## Specifications

### Material and Finish

COMPONENT		MATERIAL	FINISH, REMARKS
Socket	Insulator	Polyamide	Natural (Beige) / Black / Red, UL94V-0
Crimp Contact	Contact	Highly Conductive Copper Alloy	Gold Plating
Header	Insulator	Polyamide (Glass Reinforced)	Natural (Beige) / Black / Red, UL94V-0
	Contact	Highly Conductive Copper Alloy	Gold Plating
Adapter	Insulator	Polyamide (Glass Reinforced)	Black, UL94V-0
	Contact	Highly Conductive Copper Alloy	Gold Plating

### Performance Characteristics

	Pos.	10 AWG	12 AWG	14 AWG	16 AWG
Rated Current* <sup>1</sup>	1	30A	25A	20A	15A
	2,3	25A	20A	18A	15A
	4,5	22A	18A	15A	13A
Rated Voltage	1,000V AC/DC (UL approved at 600V)				
Operating Temperature	-55 to +85°C* <sup>2</sup>				
Contact Resistance	5mΩ Max. (20mV Max., 1mA)				
Withstand Voltage	2,500V AC for 1 min.				
Insulation Resistance	1,000MΩ Min. (1,000V DC)				
Mating Durability	30 mating cycles				

-Variations: Single-row 1-5pos., Double-row (In-line) 4pos., Branch 2, 3pos.  
-RoHS Compliant

\*<sup>1</sup>: For a branch adapter supports up to 30A when using 10 AWG.  
\*<sup>2</sup>: Includes the temperature rise due to current flow.



For additional information please go to  
[www.hirose.com/product/series/DF22](http://www.hirose.com/product/series/DF22)

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

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