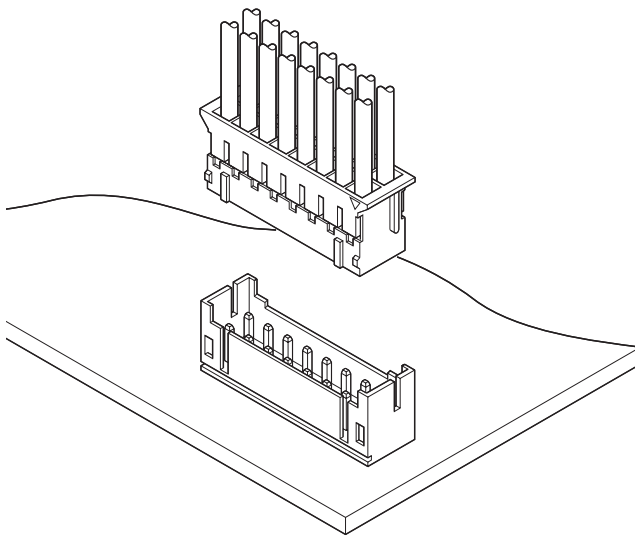# PHD CONNECTOR
2.0mm pitch/Disconnectable Crimp style connectors

This is a 2.0mm pitch, crimp style, double-row, wire-to-board connector. It is designed to meet the demand for high-density and low-profile connection.

• Compact
• Reliable contacts
• Fully shrouded header

Specifications

• Current rating: 3A AC, DC (AWG #22)
• Voltage rating: 250V AC, DC
• Temperature range: -25˚C to +85˚C
  (including temperature rise in applying electrical current)
• Contact resistance: Initial value/ 10m Ω max.
  After environmental testing/ 20m Ω max.
• Insulation resistance: 1,000M Ω min.
• Withstanding voltage: 800V AC/minute
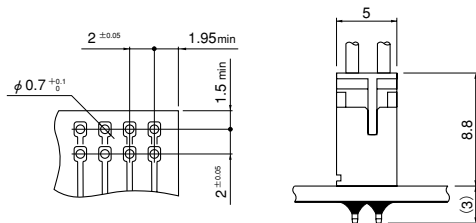• Applicable wire: AWG #28 to #22
• Applicable PC board thickness: 1.6mm

* Compliant with RoHS.
* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
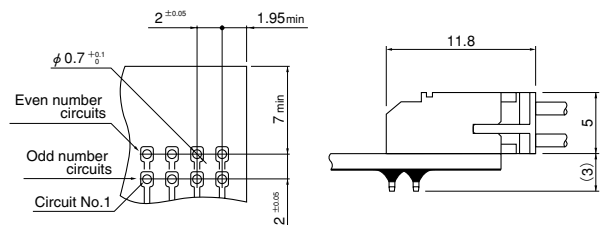* Contact JST for details.

Standards

Ⓤ Recognized E60389

Ⓢ Certified LR20812

Top entry type

Side entry type

Even number circuits
Odd number circuits
Circuit No.1

Note: 1. The above figure is the figure viewed from soldering side.
2. Tolerances are non-cumulative: ±0.05mm for all centers.
3. Hole dimensions differ according to the kind of PC board and piercing method. If PC boards made of hard material are used, the hole dimensions should be larger. The dimensions above should serve as a guideline. Contact JST for details.

Contact
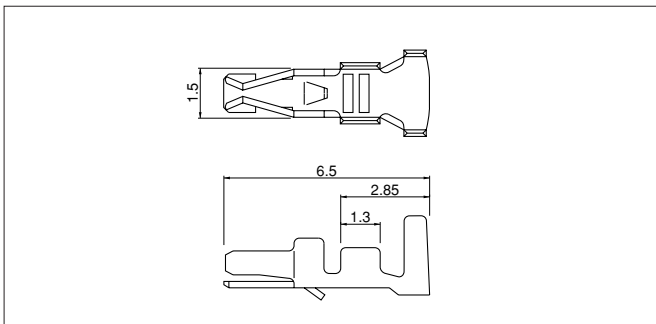
Model No.	Applicable wire		Insulation O.D. (mm)	Q'ty / reel
	mm²	AWG #		
SPHD-002T-P0.5	0.08~0.21	28~24	0.9~1.5	8,000
SPHD-001T-P0.5	0.13~0.33	26~22	1.0~1.5	

Material and Finish
Phosphor bronze, tin-plated (reflow treatment)

RoHS compliance

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SPHD-002T-P0.5	AP-K2N	MKS-L-10	MK/SPHD-002-05	APLMK SPHD002-05
		*MKS-SC-10	SC/SPHD-002-05	APLSC SPHD002-05

Note: *Strip-crimp applicator

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SPHD-001T-P0.5	AP-K2N	MKS-L-10	MK/SPHD-001-05	APLMK SPHD001-05
		*MKS-SC-10	SC/SPHD-001-05	APLSC SPHD001-05

PHD CONNECTOR

Housing
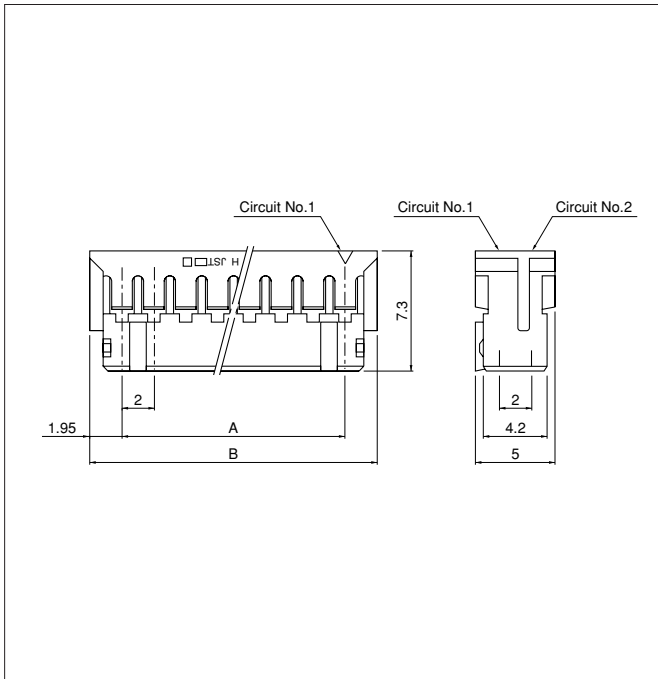
Circuits	Model No.	Dimensions (mm)		Q'ty / bag
		A	B	
8	**PHDR-08VS**	6.0	9.9	1,000
10	**PHDR-10VS**	8.0	11.9	1,000
12	**PHDR-12VS**	10.0	13.9	1,000
14	**PHDR-14VS**	12.0	15.9	1,000
16	**PHDR-16VS**	14.0	17.9	1,000
18	**PHDR-18VS**	16.0	19.9	1,000
20	**PHDR-20VS**	18.0	21.9	1,000
22	**PHDR-22VS**	20.0	23.9	1,000
24	**PHDR-24VS**	22.0	25.9	1,000
26	**PHDR-26VS**	24.0	27.9	1,000
28	**PHDR-28VS**	26.0	29.9	1,000
30	**PHDR-30VS**	28.0	31.9	1,000
32	**PHDR-32VS**	30.0	33.9	1,000
34	**PHDR-34VS**	32.0	35.9	1,000

Material
PA 66, UL94V-0, natural (white)

RoHS compliance

<For reference>   As the color identification,
the following alphabet shall be put in the underlined part.
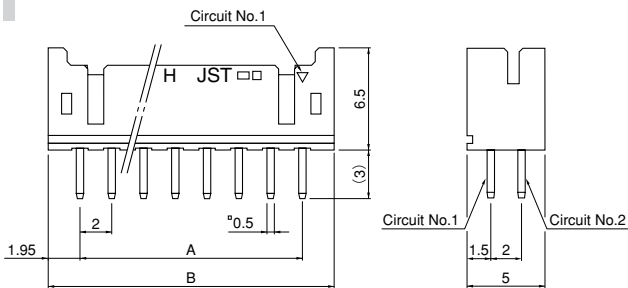*For availability, delivery and minimum order quantity, contact JST.*
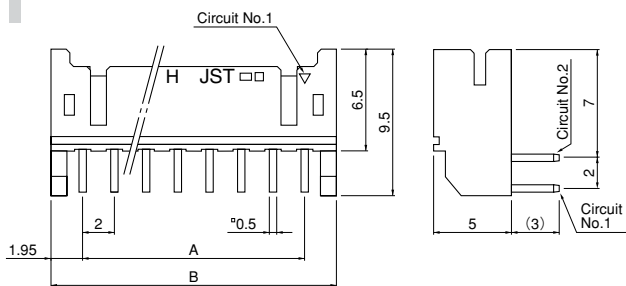
ex.   **PHDR-10VS**

S…natural (white)

K…black   Y…yellow   E…blue   R…red

Shrouded header

Top entry type

Side entry type

Circuits	Model No.				Dimensions (mm)		Q'ty / box	
	Glass-filled nylon		Nylon					
	Top entry type	Side entry type	Top entry type	Side entry type	A	B	Top entry type	Side entry type
8	**B8B-PHDSS**	**S8B-PHDSS**	—	—	6.0	9.9	500	500
10	**B10B-PHDSS**	**S10B-PHDSS**	**B10B-PHDSS-B**	**S10B-PHDSS-B**	8.0	11.9	500	500
12	**B12B-PHDSS**	**S12B-PHDSS**	**B12B-PHDSS-B**	**S12B-PHDSS-B**	10.0	13.9	500	500
14	**B14B-PHDSS**	**S14B-PHDSS**	**B14B-PHDSS-B**	**S14B-PHDSS-B**	12.0	15.9	500	250
16	**B16B-PHDSS**	**S16B-PHDSS**	**B16B-PHDSS-B**	**S16B-PHDSS-B**	14.0	17.9	500	250
18	**B18B-PHDSS**	**S18B-PHDSS**	**B18B-PHDSS-B**	**S18B-PHDSS-B**	16.0	19.9	500	250
20	**B20B-PHDSS**	**S20B-PHDSS**	**B20B-PHDSS-B**	**S20B-PHDSS-B**	18.0	21.9	250	250
22	**B22B-PHDSS**	**S22B-PHDSS**	**B22B-PHDSS-B**	**S22B-PHDSS-B**	20.0	23.9	250	250
24	**B24B-PHDSS**	**S24B-PHDSS**	**B24B-PHDSS-B**	**S24B-PHDSS-B**	22.0	25.9	250	200
26	**B26B-PHDSS**	**S26B-PHDSS**	**B26B-PHDSS-B**	**S26B-PHDSS-B**	24.0	27.9	250	200
28	**B28B-PHDSS**	**S28B-PHDSS**	**B28B-PHDSS-B**	**S28B-PHDSS-B**	26.0	29.9	250	200
30	**B30B-PHDSS**	**S30B-PHDSS**	**B30B-PHDSS-B**	**S30B-PHDSS-B**	28.0	31.9	250	200
32	**B32B-PHDSS**	**S32B-PHDSS**	**B32B-PHDSS-B**	**S32B-PHDSS-B**	30.0	33.9	250	200
34	**B34B-PHDSS**	**S34B-PHDSS**	**B34B-PHDSS-B**	**S34B-PHDSS-B**	32.0	35.9	250	200

Material and Finish
Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment)
Wafer: Glass-filled PA 66, UL94V-0, natural (ivory)
PA 66, UL94V-0, natural (white)

RoHS compliance   *This product displays (LF)(SN) on a label.*

<For reference>   As the color identification,
the following alphabet shall be put in the underlined part.
For availability, delivery and minimum order quantity, contact JST.

ex.   **B10B-PHDSS**

S…natural (ivory)

ex.   **B10B-PHDSS-B**

S…natural (white)

K…black   Y…yellow   E…blue   R…red

JST 2

单击下面可查看定价，库存，交付和生命周期等信息

>>JST(杰世腾)