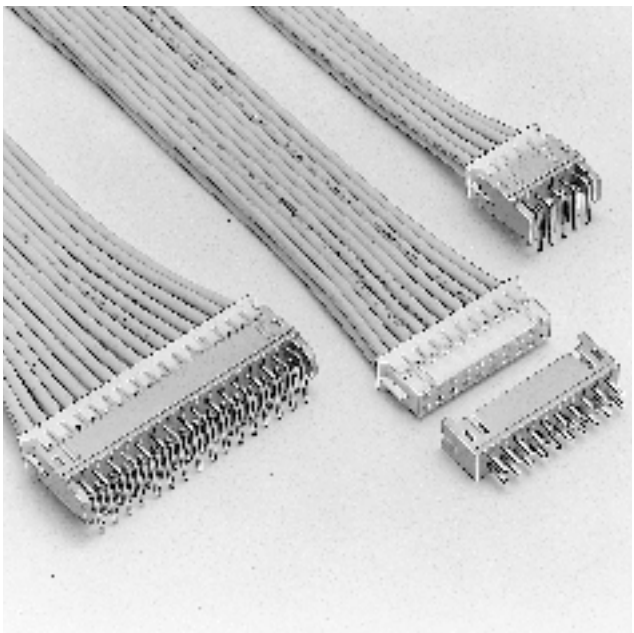
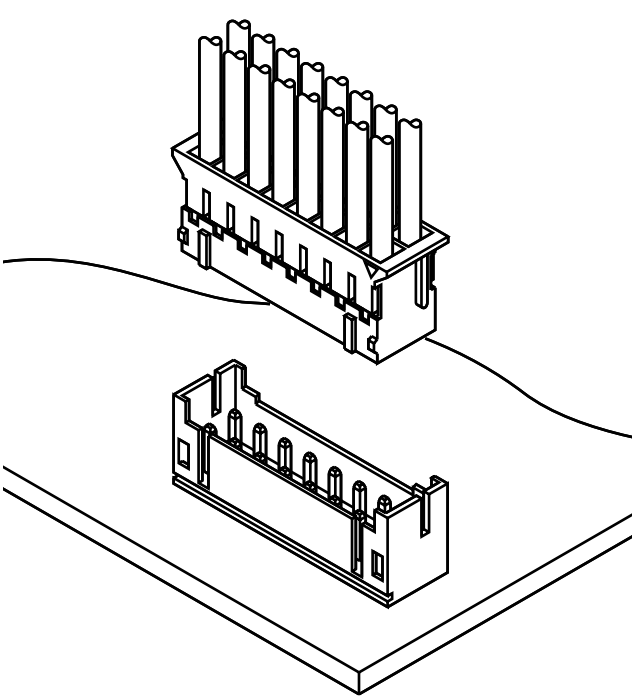
JST
Crimp
2.0mm
(.079") pitch

PHD CONNECTOR

Disconnectable Crimp style connectors



This is a 2.0mm (.079") pitch, crimp style, double-row, wire-to-board connector. It is designed to meet the demand for high-density and low-profile connection.



Features

• Compact

2.0mm (.079") pitch connector, 8.8mm (.346") in height after mounting and 5.0mm (.197") in width. This compact design meets the demand for high-density connection.

• Reliable contacts

The box contact supplies stable contact performance even under conditions of vibration, distortion, low voltage or low current.

• Fully shrouded header

The header is fully shrouded, having walls on all four sides to prevent improper mating and the intrusion of flux and other contaminants.

• Whisker prevention

The header pins are copper-undercoated and tin/lead-plated for whisker prevention and superb solderability.

Specifications

- Current rating: 3.0A AC, DC
- Voltage rating: 250V AC, DC
- Temperature range: -25˚C to +85˚C
  (including temperature rise in applying electrical current)
- Contact resistance: Initial value/10mΩ max.
  After environmental testing/20m Ω max.
- Insulation resistance: 1,000MΩ min.
- Withstanding voltage: 800V AC/minute
- Applicable wire: AWG #28 to #22
- Applicable PC board thickness: 1.6mm(.063")

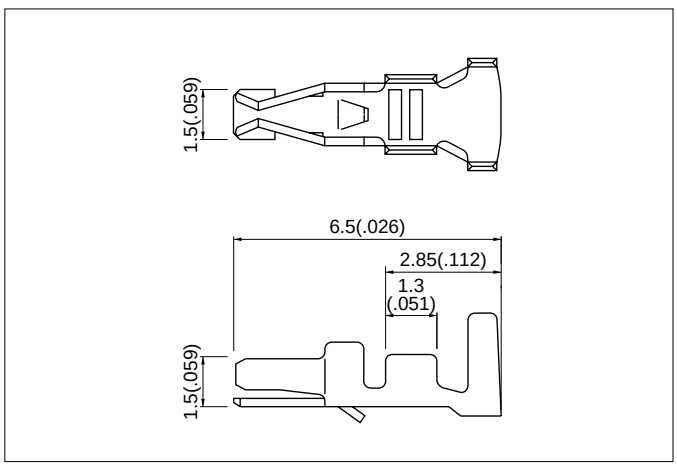
* Contact JST for details.

Standards

Recognized file No. E60389

Certified file No. LR20812

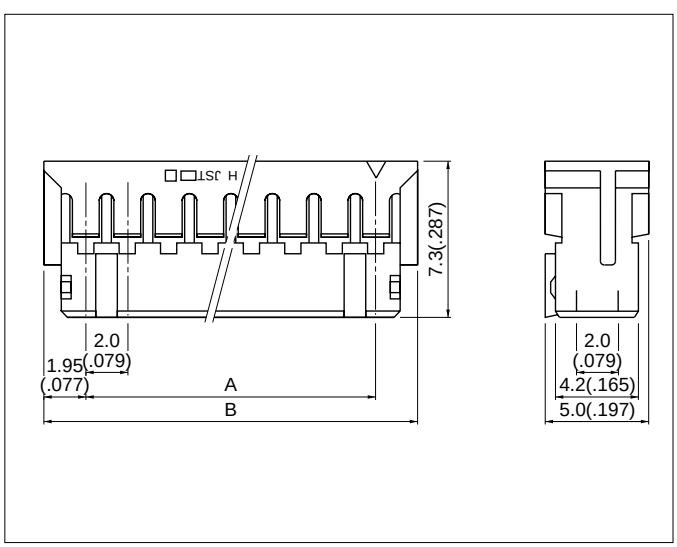
Contact



Model No.	Applicable wire			Q´ty / reel
	mm²	AWG #	mm(in.) Insulation O.D.	
SPHD-002T-P0.5	0.08 to 0.21	28 to 24	0.9 to 1.5(0.35 to 0.59)	8,000
SPHD-001T-P0.5	0.13 to 0.33	26 to 22	1.0 to 1.5(0.39 to 0.59)	

Material and Finish
Phosphor bronze, Tin-plated

Housing

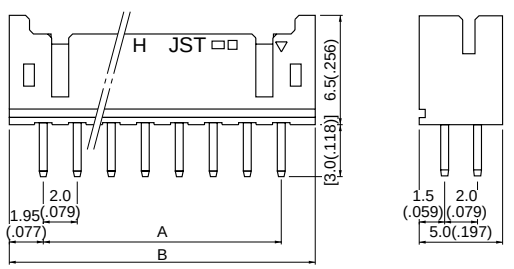


Cir-cuits	Model No.	Dimensions mm(in.)		Q´ty / bag
		A	B	
10	**PHDR-10VS**	8.0(.315)	11.9(.469)	1,000
12	**PHDR-12VS**	10.0(.394)	13.9(.547)	1,000
14	**PHDR-14VS**	12.0(.472)	15.9(.626)	1,000
16	**PHDR-16VS**	14.0(.551)	17.9(.705)	1,000
18	**PHDR-18VS**	16.0(.630)	19.9(.783)	1,000
20	**PHDR-20VS**	18.0(.709)	21.9(.862)	1,000
22	**PHDR-22VS**	20.0(.787)	23.9(.941)	1,000
24	**PHDR-24VS**	22.0(.866)	25.9(1.020)	1,000
26	**PHDR-26VS**	24.0(.945)	27.9(1.098)	1,000
28	**PHDR-28VS**	26.0(1.024)	29.9(1.177)	1,000
30	**PHDR-30VS**	28.0(1.102)	31.9(1.256)	1,000
32	**PHDR-32VS**	30.0(1.181)	33.9(1.335)	1,000

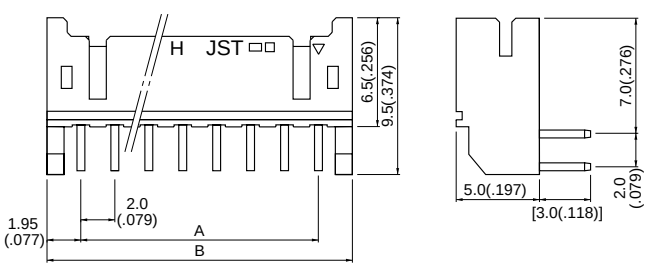
Material
Nylon 66, UL94V-0, natural (white)

Shrouded header

Top entry type



Side entry type

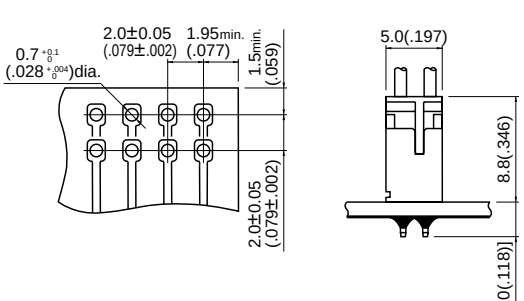


Cir-cuits	Model No.		Dimensions mm(in.)		Q´ty / bag	
	Top entry type	Side entry type	A	B	Top entry type	Side entry type
10	**B10B-PHDSS**	**S10B-PHDSS**	8.0(.315)	11.9(.469)	500	–
12	**B12B-PHDSS**	**S12B-PHDSS**	10.0(.394)	13.9(.547)	500	–
14	**B14B-PHDSS**	**S14B-PHDSS**	12.0(.472)	15.9(.626)	500	–
16	**B16B-PHDSS**	**S16B-PHDSS**	14.0(.551)	17.9(.705)	500	250
18	**B18B-PHDSS**	**S18B-PHDSS**	16.0(.630)	19.9(.783)	500	250
20	**B20B-PHDSS**	**S20B-PHDSS**	18.0(.709)	21.9(.862)	250	–
22	**B22B-PHDSS**	**S22B-PHDSS**	20.0(.787)	23.9(.941)	250	–
24	**B24B-PHDSS**	**S24B-PHDSS**	22.0(.866)	25.9(1.020)	250	–
26	**B26B-PHDSS**	**S26B-PHDSS**	24.0(.945)	27.9(1.098)	250	–
28	**B28B-PHDSS**	**S28B-PHDSS**	26.0(1.024)	29.9(1.177)	250	–
30	**B30B-PHDSS**	**S30B-PHDSS**	28.0(1.102)	31.9(1.256)	250	–
32	**B32B-PHDSS**	**S32B-PHDSS**	30.0(1.181)	33.9(1.335)	250	–

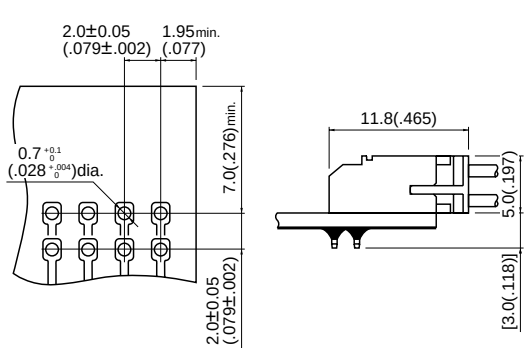
Material and Finish	
Post:	Copper alloy, copper-undercoated, tin/lead-plated
Wafer:	Glass-filled nylon 66, UL94V-0, natural (ivory)

PC board layout *(viewed from soldering side)* and Assembly layout

Top entry type



Side entry type



Note:

1. Tolerances are non-cumulative:±0.05mm(±.002") for all centers.

2. Hole dimensions differ according to the kind of PC board and piercing method. If printed circuit boards made of hard material such as FR-4 are used, the hole dimensions should be larger. The dimensions above should serve as a guideline. Contact JST for details.