

# JST PHD Series 2.0mm Connectors (Cont.)



Description	Digi-Key Part No.	Cut Tape Pricing		Tape & Reel Pricing 8,000	JST Part No.
		1	10		
<b>Contacts-Tin Plated</b>					
26 - 22 AWG	455-1325-1-ND	.03	.20	10.21/M	SPHD-001T-P0.5
28 - 24 AWG	455-1313-1-ND	.03	.20	10.21/M	SPHD-002T-P0.5
<b>Crimp Tools</b>					
26 - 22 AWG Contacts	455-1238-ND	363.32/1			WC-610
28 - 24 AWG Contacts	455-1237-ND	641.48/1			YRS-620

For Tape and Reel part number, change 1-ND to 2-ND.

## PUD Series 2.0mm Connectors



The PUD Series offers compact size and provides stable contact performance under high vibration, distortion, and unexpected external forces. The leaf spring structure of the contact is designed to help prevent deformation due to unexpected forces. The housing receptacles are keyed to prevent accidental reverse mating or mating to a header without the same number of circuits. The header is designed with a secure locking device for applications that require high reliability under adverse conditions. An audible click is heard when mating the receptacle housing with the header.

**Specifications:** • Current Rating: 3A AC/DC • Voltage Rating: 250V AC/DC • Temperature Range: -25°C - 85°C • Applicable Wire: 26 - 22 AWG (001 Type) 28 - 24 AWG (002 Type) • Insulation Diameter:  $\phi 1.0 - \phi 1.5$ mm (001 Type)  $\phi 0.8 - \phi 1.5$ mm (002 Type)

**Material and Finish:** • Contact: Copper alloy, tin-plated • Housing: Nylon 66, UL94V-0

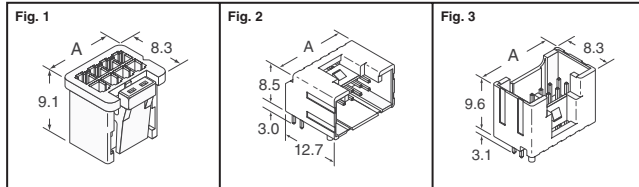


Fig.	Circuits	Dimension A (mm)	Digi-Key Part No.	Pricing			JST Part No.
				1	10	100	
<b>Receptacle Housing</b>							
8	8	10.0	455-2468-ND	.22	2.07	17.27	PUDP-08V-S
10	10	12.0	455-2469-ND	.24	2.15	17.89	PUDP-10V-S
12	12	14.0	455-2470-ND	.24	2.21	18.44	PUDP-12V-S
14	14	16.0	455-2471-ND	.25	2.29	19.06	PUDP-14V-S
16	16	18.0	455-2472-ND	.26	2.40	20.01	PUDP-16V-S
18	18	20.0	455-2473-ND	.26	2.43	20.25	PUDP-18V-S
20	20	22.0	455-2474-ND	.28	2.58	21.48	PUDP-20V-S
22	22	24.0	455-2475-ND	.29	2.67	22.25	PUDP-22V-S
24	24	26.0	455-2476-ND	.30	2.79	23.21	PUDP-24V-S
26	26	28.0	455-2477-ND	.32	2.97	24.75	PUDP-26V-S
28	28	30.0	455-2478-ND	.33	2.97	24.80	PUDP-28V-S
30	30	32.0	455-2479-ND	.33	2.99	24.96	PUDP-30V-S
32	32	34.0	455-2480-ND	.33	3.04	25.38	PUDP-32V-S
34	34	36.0	455-2481-ND	.34	3.10	25.89	PUDP-34V-S
36	36	38.0	455-2482-ND	.35	3.22	26.77	PUDP-36V-S
38	38	40.0	455-2483-ND	.35	3.29	27.42	PUDP-38V-S
40	40	42.0	455-2484-ND	.37	3.38	28.19	PUDP-40V-S
<b>Headers</b>							
<b>Side Entry</b>							
8	8	10.0	455-2485-ND	.28	2.56	21.33	S08B-PUDSS-1(LF)(SN)
10	10	12.0	455-2486-ND	.35	3.23	26.89	S10B-PUDSS-1(LF)(SN)
12	12	14.0	455-2487-ND	.42	3.90	32.51	S12B-PUDSS-1(LF)(SN)
14	14	16.0	455-2488-ND	.49	4.46	37.11	S14B-PUDSS-1(LF)(SN)
16	16	18.0	455-2489-ND	.51	4.64	38.66	S16B-PUDSS-1(LF)(SN)
18	18	20.0	455-2490-ND	.53	4.88	40.64	S18B-PUDSS-1(LF)(SN)
20	20	22.0	455-2491-ND	.55	5.11	42.60	S20B-PUDSS-1(LF)(SN)
22	22	24.0	455-2492-ND	.59	5.46	45.49	S22B-PUDSS-1(LF)(SN)
24	24	26.0	455-2493-ND	.62	5.79	48.24	S24B-PUDSS-1(LF)(SN)
26	26	28.0	455-2494-ND	.67	6.12	50.98	S26B-PUDSS-1(LF)(SN)
28	28	30.0	455-2495-ND	.71	6.53	54.44	S28B-PUDSS-1(LF)(SN)
30	30	32.0	455-2496-ND	.85	7.78	64.78	S30B-PUDSS-1(LF)(SN)
36	36	38.0	455-2497-ND	.89	8.22	68.50	S36B-PUDSS-1(LF)(SN)
40	40	42.0	455-2498-ND	.99	9.13	76.12	S40B-PUDSS-1(LF)(SN)
<b>Top Entry With Boss</b>							
8	8	10.0	455-2499-ND	.25	2.33	19.43	B08B-PUDSS-1(LF)(SN)
10	10	12.0	455-2500-ND	.28	2.54	21.18	B10B-PUDSS-1(LF)(SN)
12	12	14.0	455-2501-ND	.33	3.06	25.47	B12B-PUDSS-1(LF)(SN)
14	14	16.0	455-2502-ND	.40	3.68	30.65	B14B-PUDSS-1(LF)(SN)
16	16	18.0	455-2503-ND	.43	3.97	33.10	B16B-PUDSS-1(LF)(SN)
18	18	20.0	455-2504-ND	.48	4.40	36.69	B18B-PUDSS-1(LF)(SN)
20	20	22.0	455-2505-ND	.53	4.90	40.80	B20B-PUDSS-1(LF)(SN)
22	22	24.0	455-2506-ND	.60	5.51	45.89	B22B-PUDSS-1(LF)(SN)
24	24	26.0	455-2507-ND	.67	6.12	51.02	B24B-PUDSS-1(LF)(SN)
26	26	28.0	455-2508-ND	.71	6.58	54.89	B26B-PUDSS-1(LF)(SN)
28	28	30.0	455-2509-ND	.74	6.85	57.03	B28B-PUDSS-1(LF)(SN)
30	30	32.0	455-2510-ND	.78	7.15	59.62	B30B-PUDSS-1(LF)(SN)
32	32	34.0	455-2511-ND	.81	7.46	62.13	B32B-PUDSS-1(LF)(SN)
34	34	36.0	455-2512-ND	.85	7.89	65.74	B34B-PUDSS-1(LF)(SN)
36	36	38.0	455-2513-ND	.87	8.03	66.94	B36B-PUDSS-1(LF)(SN)
38	38	40.0	455-2514-ND	.88	8.15	67.93	B38B-PUDSS-1(LF)(SN)
40	40	42.0	455-2515-ND	.89	8.21	68.44	B40B-PUDSS-1(LF)(SN)

(Continued)

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Description	Digi-Key Part No.	Cut Tape Pricing		Tape & Reel Pricing 8,000	JST Part No.
		1	10		
<b>Contacts-Tin Plated</b>					
26 - 22 AWG	455-2518-1-ND	.03	.22	11.24/M	SPUD-001T-P0.5
28 - 24 AWG	455-2519-1-ND	.03	.22	11.24/M	SPUD-002T-P0.5
<b>Crimp Tools</b>					
Hand Tool for SPUD-001T-P0.5	455-2516-ND	839.26/1			WC-PUD1
Hand Tool for SPUD-002T-P0.5	455-2517-ND	791.78/1			WC-PUD2

For Tape and Reel part number, change 1-ND to 2-ND.

## EH Series 2.5mm Connectors



**Features:** • Compact and Slim: This connector is designed to be compact and unusually thin. It measures only 8.1mm (.319") high after mounting and is just 3.8mm (.150") wide. • Highly Reliable Contact: The contact has long dimples near the center that ensure continuity of low voltage and low current circuits at all times, even under conditions of vibration and abusive prying. • Polarizing Guides: The header and housing have guides to prevent improper mating. • Whisker Prevention: The contact material is treated with a reflow process, and the square post is copper-undercoated and tin/lead-plated for whisker prevention. • Easy and Effective Crimping: Although the contact is compact, it has a long wire strip length, 2.6 ± 0.4mm (.102" ± 0.016"). This long length is very useful for automatic crimping and when crimping shielded wires.

**Specifications:** • Current Rating: 3A AC/DC (22 AWG) • Voltage Rating: 250V AC/DC • Temperature Range: -25°C - 85°C • Applicable Wire: 32 - 22 AWG

**Material and Finish:** • Contact: Phosphor bronze, tin-plated • Housing: Nylon 66, UL94V-0, natural (white) • Posts for Headers: Brass, copper-undercoated, tin/lead plated • Wafer: Nylon 66, UL94V-0, natural (white) **Applicable PC Board Thickness:** 0.8mm - 1.6mm (.031" - .063")

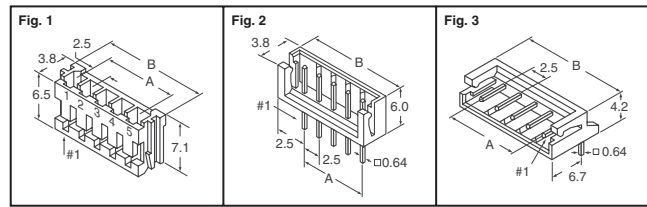


Fig.	Circuits	Dimensions - mm		Digi-Key Part No.	Pricing			JST Part No.
		A	B		1	10	100	
<b>Disconnectable Crimp Style Female Receptacle Housing</b>								
2	2	2.5	7.0	455-1000-ND	.04	.30	2.56	EHR-2
3	3	5.0	9.5	455-1001-ND	.03	.34	2.83	EHR-3
4	4	7.5	12.0	455-1002-ND	.03	.35	2.88	EHR-4
5	5	10.0	14.5	455-1003-ND	.05	.39	3.21	EHR-5
6	6	12.5	17.0	455-1004-ND	.05	.42	3.49	EHR-6
7	7	15.0	19.5	455-1005-ND	.06	.49	4.03	EHR-7
8	8	17.5	22.0	455-1006-ND	.06	.51	4.19	EHR-8
9	9	20.0	24.5	455-1007-ND	.08	.72	5.99	EHR-9
10	10	22.5	27.0	455-1008-ND	.08	.76	6.31	EHR-10
11	11	25.0	29.5	455-1009-ND	.10	.94	7.84	EHR-11
12	12	27.5	32.0	455-1010-ND	.12	1.14	9.47	EHR-12
13	13	30.0	34.5	455-1011-ND	.13	1.20	10.01	EHR-13
14	14	32.5	37.0	455-1012-ND	.17	1.53	12.74	EHR-14
15	15	35.0	39.5	455-1013-ND	.17	1.57	13.12	EHR-15
<b>Top Entry Shrouded Board-Mount Headers</b>								
<b>(Use with EH and HR Series Female Housing - Not TUV approved)</b>								
2	2	2.5	7.5	455-1611-ND	.06	.53	4.44	B2B-EH-A(LF)(SN)
3	3	5.0	10.0	455-1612-ND	.08	.72	6.03	B3B-EH-A(LF)(SN)
4	4	7.5	12.5	455-1613-ND	.10	.95	7.93	B4B-EH-A(LF)(SN)
5	5	10.0	15.0	455-1614-ND	.12	1.14	9.48	B5B-EH-A(LF)(SN)
6	6	12.5	17.5	455-1615-ND	.15	1.37	11.39	B6B-EH-A(LF)(SN)
7	7	15.0	20.0	455-1616-ND	.17	1.55	12.92	B7B-EH-A(LF)(SN)
8	8	17.5	22.5	455-1617-ND	.19	1.76	14.65	B8B-EH-A(LF)(SN)
9	9	20.0	25.0	455-1618-ND	.21	1.95	16.29	B9B-EH-A(LF)(SN)
10	10	22.5	27.5	455-1619-ND	.25	2.27	18.96	B10B-EH-A(LF)(SN)
11	11	25.0	30.0	455-1620-ND	.27	2.51	20.91	B11B-EH-A(LF)(SN)
12	12	27.5	32.5	455-1621-ND	.28	2.61	21.77	B12B-EH-A(LF)(SN)
13	13	30.0	35.0	455-1622-ND	.33	3.10	25.81	B13B-EH-A(LF)(SN)
14	14	32.5	37.5	455-1623-ND	.36	3.35	27.93	B14B-EH-A(LF)(SN)
15	15	35.0	40.0	455-1624-ND	.38	3.53	29.48	B15B-EH-A(LF)(SN)
<b>Side Entry Shrouded Board-Mount Headers</b>								
<b>(Use with EH and HR Series Female Housing)</b>								
2	2	2.5	7.5	455-1625-ND	.07	.64	5.31	S2B-EH(LF)(SN)
3	3	5.0	10.0	455-1626-ND	.08	.76	6.35	S3B-EH(LF)(SN)
4	4	7.5	12.5	455-1627-ND	.10	.90	7.53	S4B-EH(LF)(SN)
5	5	10.0	15.0	455-1628-ND	.12	1.18	9.84	S5B-EH(LF)(SN)
6	6	12.5	17.5	455-1629-ND	.16	1.47	12.25	S6B-EH(LF)(SN)
7	7	15.0	20.0	455-1630-ND	.19	1.74	14.51	S7B-EH(LF)(SN)
8	8	17.5	22.5	455-1631-ND	.22	2.04	17.01	S8B-EH(LF)(SN)
9	9	20.0	25.0	455-1632-ND	.24	2.18	18.14	S9B-EH(LF)(SN)
10	10	22.5	27.5	455-1633-ND	.29	2.68	22.36	S10B-EH(LF)(SN)
11	11	25.0	30.0	455-1634-ND	.32	2.97	24.76	S11B-EH(LF)(SN)
12	12	27.5	32.5	455-1635-ND	.34	3.15	26.22	S12B-EH(LF)(SN)
14	14	32.5	37.5	455-1637-ND	.44	4.12	34.38	S14B-EH(LF)(SN)
15	15	35.0	40.0	455-1638-ND	.48	4.44	37.01	S15B-EH(LF)(SN)