



DF17 Surface Mount Connectors - 0.5mm Pitch

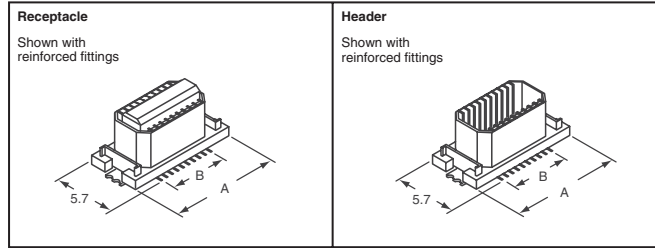


Features: • Developed for portable electronic and mobile telecommunications equipment • Designed specifically for mobile electronic devices, these connectors withstand the shock and resist breakage and disconnection that can occur when subjected to drop impact.

Applications: Suited to a wide variety of mobile applications such as LCD-related equipment, miniature portable remote terminals, as well as portable telephones.

Specifications: • Rated Current: 0.3A • Rated Voltage: AC50 • Temperature Range: -35°C – 85°C • Storage Temperature: -10°C – 60°C • Humidity Range: 40% – 80% • Storage Humidity: 40% – 70% • Insulation Resistance: 500MΩ or more • Contact Resistance: 60mΩ or less • Vibration Resistance: No instantaneous electric disconnection of 1μS or more • Humidity Resistance: 60mΩ or less for Contact, 250MΩ or more for Insulation • Temperature Cycle: 60mΩ or less for Contact Resistance, 500MΩ or more for Insulation Resistance • Duration Against Plugging/Unplugging: Contact resistance 60mΩ or less • Heat Resistance of Soldering: No fusion of resin section affecting performance

Material (receptacle/header): • Insulator: Polyamide resin, white, UL94V-0 • Contacts: Phosphor copper, gold plating • Metal Fittings: Phosphor copper, Tin-lead plating



A

No. of Contacts	Dimensions (mm)		Digi-Key Part No.	Cut Tape Price Each			T & R ⁰ Pricing 1,000	Hirose Part No.
	A	B		1	25	100		
Receptacles								
4mm Stacking Height - With Guide Posts, Without Reinforced Fittings - RoHS Compliant								
30	12.5	7.0	H11578CT-ND	1.39	1.08	.86	569.91	DF17A(3.0H)-30DS-0.5V(57)
5mm, 7mm Stacking Height - With Guide Posts, Without Reinforced Fittings - RoHS Compliant								
20	10.0	4.5	H2354CT-ND	1.30	.95	.77	—	DF17A(3.0)-20DS-0.5V(51)
20	10.0	4.5	H11559CT-ND	1.32	.96	.79	463.19	DF17A(3.0)-20DS-0.5V(57)
30	12.5	7.0	H2355CT-ND	1.44	1.11	.89	588.79	DF17A(3.0)-30DS-0.5V(51)
40	15.0	9.5	H2356CT-ND	1.70	1.31	1.05	695.51	DF17A(3.0)-40DS-0.5V(51)
50	17.5	12.0	H2357CT-ND	1.96	1.51	1.21	801.50	DF17A(3.0)-50DS-0.5V(51)
60	20.0	14.5	H2358CT-ND	2.24	1.73	1.38	917.66	DF17A(3.0)-60DS-0.5V(51)
70	22.5	17.0	H2359CT-ND	2.25	1.75	1.40	1009.87	DF17A(3.0)-70DS-0.5V(51)
80	25.0	19.5	H2360CT-ND	2.48	1.93	1.55	1113.68	DF17A(3.0)-80DS-0.5V(51)
6mm, 8mm Stacking Height - With Guide Posts, Without Reinforced Fittings								
20	10.0	4.5	H1121CT-ND	1.21	.93	.75	492.23	DF17A(4.0)-20DS-0.5V(57)
30	12.5	7.0	H1122CT-ND	1.39	1.08	.86	569.91	DF17A(4.0)-30DS-0.5V(57)
40	15.0	9.5	H2363CT-ND	1.55	1.19	.96	—	DF17A(4.0)-40DS-0.5V(51)
40	15.0	9.5	H1123CT-ND	1.60	1.24	.99	656.30	DF17A(4.0)-40DS-0.5V(57)
50	17.5	12.0	H1124CT-ND	1.77	1.37	1.09	724.55	DF17A(4.0)-50DS-0.5V(57)
60	20.0	14.5	H1125CT-ND	1.98	1.53	1.22	810.94	DF17A(4.0)-60DS-0.5V(57)
70	22.5	17.0	H2303CT-ND	2.27	1.75	1.40	—	DF17A(4.0)-70DS-0.5V(51)
70	22.5	17.0	H1126CT-ND	2.19	1.69	1.36	898.06	DF17A(4.0)-70DS-0.5V(57)
80	25.0	19.5	H1127CT-ND	2.67	2.08	1.66	1198.63	DF17A(4.0)-80DS-0.5V(57)
5mm, 7mm Stacking Height - With Guide Posts, With Reinforced Fittings								
20	10.0	4.5	H11107CT-ND	1.18	.91	.73	482.79	DF17(3.0)-20DS-0.5V(57)
30	12.5	7.0	H2368CT-ND	1.40	1.08	.87	—	DF17(3.0)-30DS-0.5V(51)
30	12.5	7.0	H11108CT-ND	1.30	1.00	.80	531.43	DF17(3.0)-30DS-0.5V(57)
40	15.0	9.5	H11109CT-ND	1.47	1.13	.91	598.95	DF17(3.0)-40DS-0.5V(57)
50	17.5	12.0	H2370CT-ND	1.92	1.48	1.19	—	DF17(3.0)-50DS-0.5V(51)
50	17.5	12.0	H11110CT-ND	1.66	1.28	1.02	675.91	DF17(3.0)-50DS-0.5V(57)
60	20.0	14.5	H2371CT-ND	2.18	1.68	1.35	892.25	DF17(3.0)-60DS-0.5V(51)
60	20.0	14.5	H11111CT-ND	1.79	1.38	1.11	733.99	DF17(3.0)-60DS-0.5V(57)
70	22.5	17.0	H11112CT-ND	1.98	1.53	1.22	810.94	DF17(3.0)-70DS-0.5V(57)
80	25.0	19.5	H2373CT-ND	2.42	1.88	1.51	—	DF17(3.0)-80DS-0.5V(51)
80	25.0	19.5	H11113CT-ND	2.17	1.67	1.34	888.62	DF17(3.0)-80DS-0.5V(57)
6mm, 8mm Stacking Height - With Guide Posts, With Reinforced Fittings								
20	10.0	4.5	H11144CT-ND	1.28	.98	.79	521.27	DF17(4.0)-20DS-0.5V(57)
30	12.5	7.0	H11115CT-ND	1.44	1.11	.89	588.79	DF17(4.0)-30DS-0.5V(57)
40	15.0	9.5	H11116CT-ND	1.66	1.28	1.02	675.91	DF17(4.0)-40DS-0.5V(57)
50	17.5	12.0	H2377CT-ND	1.82	1.40	1.12	—	DF17(4.0)-50DS-0.5V(51)
50	17.5	12.0	H11117CT-ND	1.84	1.42	1.14	752.86	DF17(4.0)-50DS-0.5V(57)
60	20.0	14.5	H11118CT-ND	2.03	1.57	1.25	830.54	DF17(4.0)-60DS-0.5V(57)
70	22.5	17.0	H11119CT-ND	2.27	1.75	1.40	927.10	DF17(4.0)-70DS-0.5V(57)
80	25.0	19.5	H11120CT-ND	2.67	2.08	1.66	1198.63	DF17(4.0)-80DS-0.5V(57)

No. of Contacts	Dimensions (mm)		Digi-Key Part No.	Cut Tape Price Each			T & R ⁰ Pricing 1,000	Hirose Part No.
	A	B		1	25	100		
Headers								
4mm Stacking Height - With Guide Posts, Without Reinforced Fittings - RoHS Compliant								
30	12.5	7.0	H11577CT-ND	1.25	.97	.77	511.83	DF17A(1.0H)-30DP-0.5V(57)
5mm, 6mm Stacking Height - With Guide Posts, Without Reinforced Fittings								
20	10.0	4.5	H11135CT-ND	1.47	1.13	.91	598.95	DF17A(2.0)-20DP-0.5V(57)
30	12.5	7.0	H11136CT-ND	1.82	1.40	1.12	743.42	DF17A(2.0)-30DP-0.5V(57)
40	15.0	9.5	H11137CT-ND	2.15	1.66	1.33	878.46	DF17A(2.0)-40DP-0.5V(57)
50	17.5	12.0	H2383CT-ND	2.02	1.55	1.24	—	DF17A(2.0)-50DP-0.5V(51)
50	17.5	12.0	H11138CT-ND	2.23	1.74	1.39	1000.43	DF17A(2.0)-50DP-0.5V(57)
60	20.0	14.5	H2384CT-ND	2.29	1.77	1.42	—	DF17A(2.0)-60DP-0.5V(51)
60	20.0	14.5	H11139CT-ND	2.55	1.98	1.59	1142.00	DF17A(2.0)-60DP-0.5V(57)
70	22.5	17.0	H2385CT-ND	2.29	1.79	1.43	—	DF17A(2.0)-70DP-0.5V(51)
70	22.5	17.0	H11140CT-ND	2.86	2.23	1.78	1283.57	DF17A(2.0)-70DP-0.5V(57)
80	25.0	19.5	H2386CT-ND	2.55	1.98	1.59	—	DF17A(2.0)-80DP-0.5V(51)
80	25.0	19.5	H11141CT-ND	4.11	3.19	2.55	1840.41	DF17A(2.0)-80DP-0.5V(57)
7mm, 8mm Stacking Height - With Guide Posts, Without Reinforced Fittings								
20	10.0	4.5	H2387CT-ND	1.23	.95	.76	—	DF17A(4.0)-20DP-0.5V(51)
20	10.0	4.5	H11149CT-ND	1.63	1.26	1.01	666.47	DF17A(4.0)-20DP-0.5V(57)
30	12.5	7.0	H2388CT-ND	1.51	1.17	.94	—	DF17A(4.0)-30DP-0.5V(51)
30	12.5	7.0	H11150CT-ND	2.00	1.55	1.24	821.11	DF17A(4.0)-30DP-0.5V(57)
40	15.0	9.5	H2389CT-ND	1.80	1.39	1.11	—	DF17A(4.0)-40DP-0.5V(51)
40	15.0	9.5	H11151CT-ND	2.69	2.10	1.68	1208.06	DF17A(4.0)-40DP-0.5V(57)
50	17.5	12.0	H2390CT-ND	2.10	1.62	1.29	—	DF17A(4.0)-50DP-0.5V(51)
50	17.5	12.0	H11152CT-ND	2.53	1.97	1.57	1132.56	DF17A(4.0)-50DP-0.5V(57)
60	20.0	14.5	H2391CT-ND	2.13	1.65	1.32	—	DF17A(4.0)-60DP-0.5V(51)
60	20.0	14.5	H11153CT-ND	2.85	2.21	1.77	1274.13	DF17A(4.0)-60DP-0.5V(57)
70	22.5	17.0	H2392CT-ND	2.42	1.88	1.51	—	DF17A(4.0)-70DP-0.5V(51)
70	22.5	17.0	H11154CT-ND	3.25	2.52	2.02	1453.45	DF17A(4.0)-70DP-0.5V(57)
80	25.0	19.5	H11155CT-ND	4.12	3.21	2.57	1849.85	DF17A(4.0)-80DP-0.5V(57)
5mm, 6mm Stacking Height - With Guide Posts, With Reinforced Fittings								
20	10.0	4.5	H11128CT-ND	1.53	1.18	.95	627.99	DF17(2.0)-20DP-0.5V(57)
30	12.5	7.0	H11129CT-ND	1.89	1.46	1.17	772.46	DF17(2.0)-30DP-0.5V(57)
40	15.0	9.5	H11130CT-ND	2.22	1.71	1.37	907.50	DF17(2.0)-40DP-0.5V(57)
50	17.5	12.0	H11131CT-ND	2.29	1.79	1.43	1028.74	DF17(2.0)-50DP-0.5V(57)
60	20.0	14.5	H11387CT-ND	2.61	2.03	1.63	1170.31	DF17(2.0)-60DP-0.5V(57)
70	22.5	17.0	H11133CT-ND	2.95	2.29	1.83	1321.32	DF17(2.0)-70DP-0.5V(57)
80	25.0	19.5	H11134CT-ND	3.81	2.96	2.37	1708.28	DF17(2.0)-80DP-0.5V(57)
7mm, 8mm Stacking Height - With Guide Posts, With Reinforced Fittings								
20	10.0	4.5	H11142CT-ND	1.68	1.29	1.04	685.34	DF17(4.0)-20DP-0.5V(57)
30	12.5	7.0	H11143CT-ND	2.08	1.60	1.28	849.42	DF17(4.0)-30DP-0.5V(57)
40	15.0	9.5	H11144CT-ND	2.21	1.72	1.38	990.99	DF17(4.0)-40DP-0.5V(57)
50	17.5	12.0	H2404CT-ND	2.11	1.63	1.31	—	DF17(4.0)-50DP-0.5V(51)
50	17.5	12.0	H11145CT-ND	2.61	2.03	1.63	1170.31	DF17(4.0)-50DP-0.5V(57)
60	20.0	14.5	H11146CT-ND	2.93	2.28	1.82	1311.88	DF17(4.0)-60DP-0.5V(57)
70	22.5	17.0	H2406CT-ND	2.44	1.90	1.52	—	DF17(4.0)-70DP-0.5V(51)
70	22.5	17.0	H11147CT-ND	3.30	2.57	2.06	1481.77	DF17(4.0)-70DP-0.5V(57)
80	25.0	19.5	H11148CT-ND	4.21	3.27	2.62	1887.60	DF17(4.0)-80DP-0.5V(57)

♦ RoHS Compliant ◊ For Tape and Reel part number, change CT-ND to TR-ND.

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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