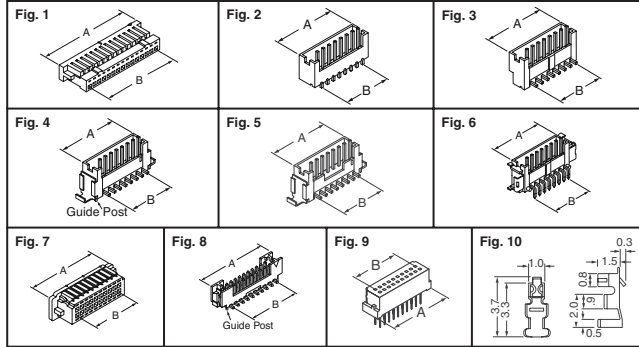


**HRS** DF13 Series Connectors  
HIROSE ELECTRIC CO., LTD. 1.25mm Pitch



DF13 Series is 1.25mm pitch, compact "PCB-to-Wire" Nylon Connectors best suited for high density applications requiring reduced cost production, and light-weight. **Electrical Specifications:** • Current Capacity: 1A • Rated Voltage: 150VAC • Insulation Resistance: Condition: 100VDC, Standard Value: Min. 500MΩ • Withstanding Voltage: Condition: At specified value, Standard Value: 500VAC. • Contact Resistance: Condition: At 100mA, Standard Value: Maximum 30mΩ. Material and Finish: • Pin Header Insulator: Polyamide resin, beige, UL94V-0. • Pin Header Contact: Brass, tin plating and gold plating. • Pin Header Hardware: Brass, tin plating and gold plating. • Crimp Socket Insulator: Polyamide resin, beige, UL94V-0. • Crimp Socket Contact: Phosphor bronze, tin plating and gold plating.

A



No. of Pins	Dimensions (mm)		Digi-Key Part No.	Pricing			Hirose Part No.
	A	B		1	25	100	
<b>Fig. 1 — Single Row Crimp Socket</b>							
2	4.15	1.25	H2179-ND	.33	3.37	8.35	DF13-2S-1.25C
3	5.40	2.50	H2180-ND	.26	2.85	8.02	DF13-3S-1.25C
4	6.65	3.75	H2181-ND	.31	3.76	11.22	DF13-4S-1.25C
5	7.90	5.00	H2182-ND	.33	3.95	11.78	DF13-5S-1.25C
6	9.15	6.25	H2183-ND	.35	4.14	12.34	DF13-6S-1.25C
7	10.40	7.50	H2184-ND	.36	4.23	12.62	DF13-7S-1.25C
8	11.65	8.75	H2185-ND	.55	6.58	19.64	DF13-8S-1.25C
9	12.90	10.00	H3300-ND	.46	6.82	21.37	DF13-9S-1.25C
10	14.15	11.25	H2186-ND	.58	6.96	20.76	DF13-10S-1.25C
11	15.40	12.50	H2187-ND	.62	7.43	22.16	DF13-11S-1.25C
12	16.65	13.75	H2188-ND	.46	6.82	21.37	DF13-12S-1.25C
13	17.90	15.00	H3301-ND	.62	7.43	22.16	DF13-13S-1.25C
14	19.15	16.25	H2189-ND	.55	8.25	25.84	DF13-14S-1.25C
15	20.40	17.50	H2259-ND	.59	7.15	21.32	DF13-15S-1.25C
<b>Fig. 2 — Single Row, Vertical Pin Header — Tin Plating</b>							
2	4.15	1.25	H2191-ND	.56	6.68	19.92	DF13-2P-1.25DSA
3	5.40	2.50	H2192-ND	.48	7.18	22.42	DF13-3P-1.25DSA
4	6.65	3.75	H2193-ND	.63	9.35	29.28	DF13-4P-1.25DSA
5	7.90	5.00	H2194-ND	.71	10.60	33.23	DF13-5P-1.25DSA
6	9.15	6.25	H2195-ND	.80	11.87	37.19	DF13-6P-1.25DSA
7	10.40	7.50	H2196-ND	.66	12.04	39.39	DF13-7P-1.25DSA
8	11.65	8.75	H2197-ND	.85	15.43	50.50	DF13-8P-1.25DSA
9	12.90	10.00	H3302-ND	1.23	22.38	73.22	DF13-9P-1.25DSA(20)
10	14.15	11.25	H2198-ND	.98	17.74	58.07	DF13-10P-1.25DSA
11	15.40	12.50	H3303-ND	1.37	24.69	80.80	DF13-11P-1.25DSA(20)
12	16.65	13.75	H2200-ND	1.02	18.52	60.60	DF13-12P-1.25DSA
13	17.90	15.00	H3304-ND	1.49	27.00	88.37	DF13-13P-1.25DSA(20)
14	19.15	16.25	H2321-ND	1.16	20.83	68.17	DF13-14P-1.25DSA
15	20.40	17.50	H2322-ND	1.19	21.60	70.70	DF13-15P-1.25DSA
<b>Fig. 2 — Single Row, Vertical Pin Header — Gold Plating</b>							
2	4.15	1.25	H3305-ND	.70	12.50	40.90	DF13-2P-1.25DSA(50)
3	5.40	2.50	H3306-ND	.94	16.98	55.55	DF13-3P-1.25DSA(50)
4	6.65	3.75	H3307-ND	.94	16.98	55.55	DF13-4P-1.25DSA(50)
5	7.90	5.00	H3308-ND	1.07	19.29	63.12	DF13-5P-1.25DSA(50)
6	9.15	6.25	H3309-ND	1.40	25.46	83.32	DF13-6P-1.25DSA(50)
7	10.40	7.50	H3310-ND	1.23	22.38	73.22	DF13-7P-1.25DSA(50)
8	11.65	8.75	H3311-ND	1.49	27.00	88.37	DF13-8P-1.25DSA(50)
9	12.90	10.00	H3312-ND	1.49	27.00	88.37	DF13-9P-1.25DSA(50)
10	14.15	11.25	H3313-ND	1.71	30.86	100.99	DF13-10P-1.25DSA(50)
12	16.65	13.75	H3315-ND	2.15	41.39	132.41	DF13-12P-1.25DSA(50)
14	19.15	16.25	H3316-ND	2.01	36.26	118.67	DF13-14P-1.25DSA(50)
15	20.40	17.50	H3317-ND	1.83	35.07	112.22	DF13-15P-1.25DSA(50)
<b>Fig. 3 — Single Row, Right Angle Pin Header — Tin Plating</b>							
2	4.15	1.25	H2199-ND	.58	8.67	27.17	DF13-2P-1.25DS(20)
3	5.40	2.50	H2200-ND	.67	10.10	31.64	DF13-3P-1.25DS(20)
4	6.65	3.75	H2201-ND	.83	12.38	38.77	DF13-4P-1.25DS(20)
5	7.90	5.00	H2202-ND	.75	13.58	44.44	DF13-5P-1.25DS(20)
6	9.15	6.25	H2203-ND	.81	14.66	47.97	DF13-6P-1.25DS(20)
7	10.40	7.50	H2204-ND	.94	16.98	55.55	DF13-7P-1.25DS(20)
8	11.65	8.75	H2205-ND	1.11	20.06	65.65	DF13-8P-1.25DS(20)
9	12.90	10.00	H3318-ND	1.49	27.00	88.37	DF13-9P-1.25DS(20)
10	14.15	11.25	H2206-ND	1.32	23.91	78.27	DF13-10P-1.25DS(20)
11	15.40	12.50	H3319-ND	1.75	31.63	103.52	DF13-11P-1.25DS(20)
12	16.65	13.75	H2323-ND	1.87	33.95	111.09	DF13-12P-1.25DS(20)
14	19.15	16.25	H2324-ND	1.58	28.55	93.42	DF13-14P-1.25DS(20)
15	20.40	17.50	H2325-ND	1.93	37.18	118.95	DF13-15P-1.25DS(20)
<b>Fig. 3 — Single Row, Right Angle Pin Header — Gold Plating</b>							
2	4.15	1.25	H3320-ND	.74	11.11	34.81	DF13-2P-1.25DS(50)
3	5.40	2.50	H3321-ND	.70	12.50	40.90	DF13-3P-1.25DS(50)
4	6.65	3.75	H3322-ND	.90	16.20	53.02	DF13-4P-1.25DS(50)
5	7.90	5.00	H3323-ND	1.02	18.52	60.60	DF13-5P-1.25DS(50)
6	9.15	6.25	H3324-ND	1.11	20.06	65.65	DF13-6P-1.25DS(50)
7	10.40	7.50	H3325-ND	1.23	22.38	73.22	DF13-7P-1.25DS(50)
8	11.65	8.75	H3326-ND	1.49	27.00	88.37	DF13-8P-1.25DS(50)
9	12.90	10.00	H3327-ND	1.71	30.86	100.99	DF13-9P-1.25DS(50)
10	14.15	11.25	H3328-ND	1.75	31.63	103.52	DF13-10P-1.25DS(50)
11	15.40	12.50	H3329-ND	1.87	33.95	111.09	DF13-11P-1.25DS(50)
12	16.65	13.75	H3330-ND	2.01	36.26	118.67	DF13-12P-1.25DS(50)
14	19.15	16.25	H3331-ND	1.98	37.87	121.19	DF13-14P-1.25DS(50)
15	20.40	17.50	H3332-ND	2.09	37.81	123.72	DF13-15P-1.25DS(50)

No. of Pins	Dimensions (mm)		Digi-Key Part No.	Pricing			Hirose Part No.
	A	B		1	25	100	
<b>Fig. 4 — Single Row, SMT, Vertical Pin Header with Guide Posts — Tin Plating</b>							
2	4.15	1.25	H2207-ND	.66	9.85	30.86	DF13-2P-1.25V(20)
3	5.40	2.50	H2208-ND	.74	11.11	34.81	DF13-3P-1.25V(20)
4	6.65	3.75	H2209-ND	.70	12.50	40.90	DF13-4P-1.25V(20)
5	7.90	5.00	H2210-ND	.75	13.58	44.44	DF13-5P-1.25V(20)
6	9.15	6.25	H2211-ND	.81	14.66	47.97	DF13-6P-1.25V(20)
7	10.40	7.50	H2212-ND	.90	16.20	53.02	DF13-7P-1.25V(20)
8	11.65	8.75	H2213-ND	1.07	19.29	63.12	DF13-8P-1.25V(20)
9	12.90	10.00	H3335-ND	1.11	20.06	65.65	DF13-9P-1.25V(20)
10	14.15	11.25	H2214-ND	1.19	21.60	70.70	DF13-10P-1.25V(20)
11	15.40	12.50	H2215-ND	1.23	22.38	73.22	DF13-11P-1.25V(20)
12	16.65	13.75	H2216-ND	1.32	23.91	78.27	DF13-12P-1.25V(20)
14	19.15	16.25	H2217-ND	1.49	27.00	88.37	DF13-14P-1.25V(20)
15	20.40	17.50	H2218-ND	1.62	29.32	95.94	DF13-15P-1.25V(20)
<b>Fig. 4 — Single Row, SMT with Guide Posts, Vertical Pin Header — Gold Plating</b>							
2	4.15	1.25	H3336-ND	.90	16.20	53.02	DF13-2P-1.25V(50)
3	5.40	2.50	H3337-ND	1.07	19.29	63.12	DF13-3P-1.25V(50)
4	6.65	3.75	H3338-ND	1.32	23.91	78.27	DF13-4P-1.25V(50)
5	7.90	5.00	H3339-ND	1.45	26.24	85.85	DF13-5P-1.25V(50)
6	9.15	6.25	H3340-ND	1.62	29.32	95.94	DF13-6P-1.25V(50)
7	10.40	7.50	H3341-ND	1.71	30.86	100.99	DF13-7P-1.25V(50)
8	11.65	8.75	H3342-ND	1.96	35.49	116.14	DF13-8P-1.25V(50)
9	12.90	10.00	H3343-ND	1.83	35.07	112.22	DF13-9P-1.25V(50)
10	14.15	11.25	H3344-ND	1.98	37.87	121.19	DF13-10P-1.25V(50)
11	15.40	12.50	H3345-ND	1.98	37.87	121.19	DF13-11P-1.25V(50)
12	16.65	13.75	H3346-ND	1.98	37.87	121.19	DF13-12P-1.25V(50)
14	19.15	16.25	H3347-ND	2.41	46.29	148.13	DF13-14P-1.25V(50)
15	20.40	17.50	H3348-ND	2.51	48.40	154.86	DF13-15P-1.25V(50)
<b>Fig. 5 — Single Row, SMT, Vertical Pin Header with Boss — Tin Plating</b>							
2	4.15	1.25	H3393-ND	.66	9.85	30.86	DF13B-2P-1.25V(20)
3	5.40	2.50	H3394-ND	.74	11.11	34.81	DF13B-3P-1.25V(20)
4	6.65	3.75	H3395-ND	.70	12.50	40.90	DF13B-4P-1.25V(20)
5	7.90	5.00	H3396-ND	.75	13.58	44.44	DF13B-5P-1.25V(20)
6	9.15	6.25	H3397-ND	.81	14.66	47.97	DF13B-6P-1.25V(20)
7	10.40	7.50	H3398-ND	.90	16.20	53.02	DF13B-7P-1.25V(20)
8	11.65	8.75	H3399-ND	1.07	19.29	63.12	DF13B-8P-1.25V(20)
8	11.65	8.75	H3399CT-NDv†	1.16	20.83	68.17	DF13B-8P-1.25V(21)
8	11.65	8.75	H3399TR-NDv‡		402.97/1,000		DF13B-8P-1.25V(21)
10	14.15	11.25	H3401-ND	1.19	21.60	70.70	DF13B-10P-1.25V(20)
11	15.40	12.50	H3402-ND	1.23	22.38	73.22	DF13B-11P-1.25V(20)
14	19.15	16.25	H3404-ND	1.49	27.00	88.37	DF13B-14P-1.25V(20)
<b>Fig. 5 — Single Row, SMT, Vertical Pin Header with Boss — Gold Plating</b>							
2	4.15	1.25	H3406-ND	.90	16.20	53.02	DF13B-2P-1.25V(50)
3	5.40	2.50	H3407-ND	1.07	19.29	63.12	DF13B-3P-1.25V(50)
4	6.65	3.75	H3408-ND	1.32	23.91	78.27	DF13B-4P-1.25V(50)
5	7.90	5.00	H3409-ND	1.45	26.24	85.85	DF13B-5P-1.25V(50)
6	9.15	6.25	H3410-ND	1.62	29.32	95.94	DF13B-6P-1.25V(50)
7	10.40	7.50	H3411-ND	1.71	30.86	100.99	DF13B-7P-1.25V(50)
8	11.65	8.75	H3412-ND	1.96	35.49	116.14	DF13B-8P-1.25V(50)
8	11.65	8.75	H3412CT-NDv†	1.83	33.95	111.09	DF13B-8P-1.25V(51)
8	11.65	8.75	H3412TR-NDv‡		656.69/1,000		DF13B-8P-1.25V(51)
9	12.90	10.00	H3413-ND	1.83	35.07	112.22	DF13B-9P-1.25V(50)
10	14.15	11.25	H3414CT-NDv†	1.86	35.77	114.46	DF13B-10P-1.25V(51)
10	14.15	11.25	H3414TR-NDv‡		761.16/1,000		DF13B-10P-1.25V(51)
11	15.40	12.50	H3415-ND	1.98	37.87	121.19	DF13B-11P-1.25V(50)
12	16.65	13.75	H3416-ND	2.15	41.39	132.41	DF13B-12P-1.25V(50)
14	19.15	16.25	H3417-ND	2.41	46.29	148.13	DF13B-14P-1.25V(50)
15	20.40	17.50	H3418-ND	2.51	48.40	154.86	DF13B-15P-1.25V(50)
<b>Fig. 5 — Single Row, SMT, Vertical Pin Header without Boss — Tin Plating</b>							
2	4.15	1.25	H3419-ND	.66	9.85	30.86	DF13C-2P-1.25V(20)
3	5.40	2.50	H3420-ND	.74	11.11	34.81	DF13C-3P-1.25V(20)
4	6.65	3.75	H3421-ND	.70	12.50	40.90	DF13C-4P-1.25V(20)
5	7.90	5.00	H3422-ND	.75	13.58		