

A3 and A4 Series Crimp Connector
2mm Pitch (Cont.)

Fig.	No. of Contacts	Dimensions (mm)			Digi-Key Part No.	Pricing			Hirose Part No.
		A	B	C		1	25	100	
4	32	32.0	30.0	3.0	H1860-ND	2.29	44.02	140.84	A3C-32DA-2DSA
	50	50.0	48.0	3.0	H1861-ND	3.48	67.38	215.62	A3C-50DA-2DSA
		50.0	48.0	2.0	H1874-ND	3.48	67.38	215.62	A3C-50DA-2DSC
Receptacle - Gold Plating - RoHS Compliant									
4	4.0	2.0	3.0	H10891-ND	1.21	23.14	74.05	A3C-4DA-2DSA(71)	
	4.0	2.0	2.0	H10904-ND	1.21	23.14	74.05	A3C-4DA-2DSC(71)	
	4.0	2.0	1.27	H10920-ND	.52	9.48	31.04	A3D-4DA-2DSE(71)	
6	6.0	4.0	3.0	H10892-ND	1.32	25.41	81.31	A3C-6DA-2DSA(71)	
	6.0	4.0	2.0	H10905-ND	1.32	25.41	81.31	A3C-6DA-2DSC(71)	
	6.0	4.0	1.27	H10921-ND	.63	11.48	37.57	A3D-6DA-2DSE(71)	
8	8.0	6.0	3.0	H10893-ND	1.47	28.13	90.02	A3C-8DA-2DSA(71)	
	8.0	6.0	2.0	H10906-ND	1.47	28.13	90.02	A3C-8DA-2DSC(71)	
	8.0	6.0	1.27	H10922-ND	.77	13.98	45.74	A3D-8DA-2DSE(71)	
10	10.0	8.0	3.0	H10894-ND	1.58	30.40	97.28	A3C-10DA-2DSA(71)	
	10.0	8.0	2.0	H10907-ND	1.58	30.40	97.28	A3C-10DA-2DSC(71)	
	10.0	8.0	1.27	H10923-ND	.89	15.97	52.27	A3D-10DA-2DSE(71)	
12	12.0	10.0	3.0	H10895-ND	1.60	30.86	98.74	A3C-12DA-2DSA(71)	
	12.0	10.0	2.0	H10908-ND	1.60	30.86	98.74	A3C-12DA-2DSC(71)	
	12.0	10.0	1.27	H10924-ND	1.02	18.47	60.44	A3D-12DA-2DSE(71)	
14	14.0	12.0	3.0	H10896-ND	1.68	32.22	103.09	A3C-14DA-2DSA(71)	
	14.0	12.0	2.0	H10909-ND	1.68	32.22	103.09	A3C-14DA-2DSC(71)	
	14.0	12.0	1.27	H10925-ND	1.18	21.46	70.24	A3D-14DA-2DSE(71)	
16	16.0	14.0	3.0	H10897-ND	1.77	34.03	108.90	A3C-16DA-2DSA(71)	
	16.0	14.0	2.0	H10910-ND	1.77	34.03	108.90	A3C-16DA-2DSC(71)	
	16.0	14.0	1.27	H10926-ND	1.27	22.96	75.14	A3D-16DA-2DSE(71)	
18	18.0	16.0	3.0	H10898-ND	1.84	35.39	113.26	A3C-18DA-2DSA(71)	
	18.0	16.0	2.0	H10911-ND	1.84	35.39	113.26	A3C-18DA-2DSC(71)	
	18.0	16.0	1.27	H10927-ND	1.30	24.96	79.86	A3D-18DA-2DSE(71)	
20	20.0	18.0	3.0	H10899-ND	1.91	36.76	117.61	A3C-20DA-2DSA(71)	
	20.0	18.0	2.0	H10912-ND	1.91	36.76	117.61	A3C-20DA-2DSC(71)	
	20.0	18.0	1.27	H10928-ND	1.47	28.13	90.02	A3D-20DA-2DSE(71)	
24	24.0	22.0	3.0	H10900-ND	2.03	39.02	124.87	A3C-24DA-2DSA(71)	
	24.0	22.0	2.0	H10913-ND	2.03	39.02	124.87	A3C-24DA-2DSC(71)	
	24.0	22.0	1.27	H10917-ND	2.03	39.02	124.87	A3C-24DA-2DSE(71)	
28	28.0	26.0	3.0	H10901-ND	2.24	43.11	137.94	A3C-28DA-2DSA(71)	
	28.0	26.0	2.0	H10914-ND	2.24	43.11	137.94	A3C-28DA-2DSC(71)	
	28.0	26.0	1.27	H10929-ND	2.03	39.02	124.87	A3D-28DA-2DSE(71)	
32	32.0	30.0	3.0	H10902-ND	2.13	41.24	131.99	A3C-32DA-2DSA(71)	
	32.0	30.0	2.0	H10915-ND	2.13	41.24	131.99	A3C-32DA-2DSC(71)	
	32.0	30.0	1.27	H10918-ND	2.13	41.24	131.99	A3C-32DA-2DSE(71)	
44	44.0	42.0	1.27	H10930-ND	2.32	44.92	143.75	A3D-44DA-2DSE(71)	
	44.0	42.0	1.0	H1890-ND	2.21	42.88	137.21	A3D-44DA-2DSC	
	50.0	48.0	3.0	H10903-ND	3.60	69.83	223.46	A3C-50DA-2DSA(71)	
50	50.0	48.0	2.0	H10916-ND	3.60	69.83	223.46	A3C-50DA-2DSC(71)	
	50.0	48.0	1.27	H10919-ND	3.60	69.83	223.46	A3C-50DA-2DSE(71)	
	62.0	60.0	1.27	H10931-ND	3.51	68.20	218.24	A3D-62DA-2DSE(71)	

Fig.	No. of Pins	Dimensions (mm)		Digi-Key Part No.	Pricing			Hirose Part No.
		A	B		1	25	100	
Dual Row Crimp Socket - A3B Series - RoHS Compliant								
5	4	4.0	2.0	H2001-ND	.36	5.45	17.06	A3B-4D-2C
	6	6.0	4.0	H2002-ND	.36	5.45	17.06	A3B-6D-2C
	8	8.0	6.0	H2003-ND	.36	5.45	17.06	A3B-8D-2C
	10	10.0	8.0	H2004-ND	.44	6.53	20.47	A3B-10D-2C
	12	12.0	10.0	H2005-ND	.44	6.53	20.47	A3B-12D-2C
	14	14.0	12.0	H2006-ND	.51	7.62	23.89	A3B-14D-2C
	18	18.0	16.0	H2007-ND	.41	7.49	24.50	A3B-18D-2C
	20	20.0	18.0	H2008-ND	.47	8.49	27.77	A3B-20D-2C
	24	24.0	22.0	H2009-ND	.49	8.99	29.40	A3B-24D-2C
	28	28.0	26.0	H2010-ND	.55	9.98	32.67	A3B-28D-2C
Single Row Crimp Socket - A4B Series - RoHS Compliant								
6	2	4.0	2.0	H2011-ND	.36	5.45	17.06	A4B-2S-2C
	3	6.0	4.0	H2012-ND	.36	5.45	17.06	A4B-3S-2C
	4	8.0	6.0	H2013-ND	.36	5.45	17.06	A4B-4S-2C
	6	12.0	10.0	H2015-ND	.47	7.08	22.18	A4B-6S-2C
	8	16.0	14.0	H2016-ND	.63	11.48	37.57	A4B-8S-2C
	10	20.0	18.0	H2017-ND	.75	13.47	44.10	A4B-10S-2C
12	24.0	22.0	H2018-ND	.86	15.46	51.12	A4B-12S-2C	
Contacts and Crimp Tools - RoHS Compliant								
7	Crimp Terminal for A3B-A4B			H9999-ND	—	—	6.59	A3B-2630SCC
	Crimp Tool for A3B-A4B			H9998-ND	605.92	—	—	A3B-TA2630HC
8	Polarizing Key for Socket Connectors			H2000-ND	1.52/10	—	8.71	A3-GPIN(A)
	Crimp Tool and Die Set for A3B			H10875-ND	518.15	—	—	A3B-TA2630HC/US
—	Die Set for A3B			H10876-ND	280.02	—	—	A3B-TA2630HC/US-DS

◆ RoHS Compliant

A3E Series Crimp Connector 2mm Pitch

Specifications: • Current Rating: 0.5A • Voltage Rating: 125VAC • Operating Temperature: -55°C - 85°C • Operating Moisture Range: 40% - 80% • Insulation Resistance: 1000MΩ min. at 250VDC • Withstanding Voltage: 300VAC/1 minute (no flashover or insulation breakdown) • Contact Resistance: 40mΩ maximum @ 0.1A
Material: • Insulator Pin Header: black polyamide, UL 94V-0 • Insulator Socket: black PBT, UL 94V-0 • Pin Header Contact: Brass with selective gold plating • Socket Contact: beryllium copper

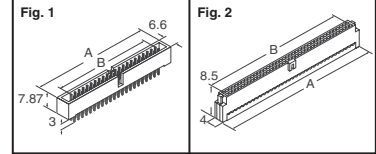


Fig.	No. of Pins	Dimensions (mm)		Digi-Key Part No.	Pricing			Hirose Part No.
		A	B		1	25	100	
Pin Header - Gold Plating								
1	44	52.0	42.0	H10932-ND	3.01	58.40	186.87	A3E-44PA-2DSA(71)
	50	58.0	48.0	H10933-ND	3.83	74.33	237.84	A3E-50PA-2DSA(71)
	50	58.0	48.0	H1826-ND	3.64	70.65	226.08	A3E-50PA-2DSA
Socket								
2	44	49.0	42.0	H1891-ND	5.82	117.39	368.95	A3E-44D-2R
	50	55.0	48.0	H1892-ND	5.70	115.11	361.77	A3E-50D-2R
—	—	—	—	H9947-ND	1179.75	—	—	A3E-GPA

◆ RoHS Compliant

MDF7 Series Bottom Entry Connector 2.54mm Pitch

Features: • Board-to-board distance can be freely set • Components sides of two boards can be arranged on the same side without facing each other
Applications: • Telephones, internal connections of OA/FA equipment, connection of IPM and IGBT to boards
Specifications: • Rated Current: 3A • Rated Voltage: AC250V • Operating Temperature: -35°C - 85°C • Insulation Resistance: 1,000MΩ or more • Contact Resistance: 30mΩ or less • Insertion and withdrawals force: Minimum 0.4N (40gf), Maximum 4.4N (450gf)
Materials: • Receptacle: Insulation; Polyamide resin, black, UL 94V-0 and Terminal; Phosphor bronze, gold or tin • Pin Header: Insulation; PBT resin, Main body - Black / Locator: Grey, UL 94V-0

Fig. 1 and **Fig. 2** diagrams showing dimensions for MDF7 Series Bottom Entry Connector. Fig. 1 shows a side view with dimensions A, B, C, 5, 3, 0.2, and .76. Fig. 2 shows a top view with dimensions A, B, C, 2.54, 5, 3, 10, 8.54, and .76.

Fig.	No. of Contacts	Dimension (mm)		Digi-Key Part No.	Price Each			Hirose Part No.	
		A	B		1	25	100		
Receptacle - Straight Dip									
Single Row - Tin									
1	7	17.78	15.24	H2552-ND	.94	.69	.57	MDF7-7S-2.54DSA	
	12	30.48	27.94	H2557-ND	1.28	.93	.76	MDF7-12S-2.54DSA	
	20	50.80	48.26	H2565-ND	1.39	1.07	.86	MDF7-20S-2.54DSA	
Single Row - Tin - RoHS Compliant									
1	3	7.62	5.08	H10653-ND	.77	.56	.46	MDF7-3S-2.54DSA(55)	
	5	12.70	10.16	H10654-ND	.89	.64	.53	MDF7-5S-2.54DSA(55)	
	6	15.24	12.70	H10655-ND	.94	.68	.56	MDF7-6S-2.54DSA(55)	
	7	17.78	15.24	H10656-ND	.99	.72	.59	MDF7-7S-2.54DSA(55)	
	8	20.32	17.78	H10657-ND	1.05	.76	.63	MDF7-8S-2.54DSA(55)	
	9	22.86	20.32	H10658-ND	1.10	.80	.66	MDF7-9S-2.54DSA(55)	
	10	25.40	22.86	H10659-ND	1.24	.90	.74	MDF7-10S-2.54DSA(55)	
	11	27.94	25.40	H10660-ND	1.30	.94	.77	MDF7-11S-2.54DSA(55)	
	12	30.48	27.94	H10661-ND	1.35	.98	.81	MDF7-12S-2.54DSA(55)	
	13	33.02	30.48	H10662-ND	1.35	.98	.81	MDF7-13S-2.54DSA(55)	
	14	35.56	33.02	H10663-ND	1.18	.91	.73	MDF7-14S-2.54DSA(55)	
	15	38.10	35.56	H10664-ND	1.21	.93	.75	MDF7-15S-2.54DSA(55)	
	16	40.64	38.10	H10665-ND	1.28	.98	.79	MDF7-16S-2.54DSA(55)	
	17	43.18	40.64	H10666-ND	1.30	1.00	.80	MDF7-17S-2.54DSA(55)	
	18	45.72	43.18	H10667-ND	1.39	1.08	.86	MDF7-18S-2.54DSA(55)	
	19	48.26	45.72	H10668-ND	1.42	1.09	.88	MDF7-19S-2.54DSA(55)	
	20	50.80	48.26	H10669-ND	1.44	1.11	.89	MDF7-20S-2.54DSA(55)	
	21	53.34	50.80	H10670-ND	1.53	1.18	.95	MDF7-21S-2.54DSA(55)	
	22	55.88	53.34	H10671-ND	1.58	1.22	.98	MDF7-22S-2.54DSA(55)	
	23	58.42	55.88	H10672-ND	1.63	1.26	1.01	MDF7-23S-2.54DSA(55)	
	24	60.96	58.42	H10673-ND	1.68	1.29	1.04	MDF7-24S-2.54DSA(55)	
	25	63.50	60.96	H10674-ND	1.79	1.38	1.11	MDF7-25S-2.54DSA(55)	
	Double Row - Gold								
	2	12	15.24	12.70	H2571-ND	2.13	1.64	1.31	MDF7-12D-2.54DSA
	Double Row - Gold - RoHS Compliant								
2	12	15.24	12.70	H10675-ND	2.22	1.71	1.37	MDF7-12D-2.54DSA(56)	
	14	17.78	15.24	H10676-ND	2.23	1.74	1.39	MDF7-14D-2.54DSA(56)	
	16	20.32	17.78	H10677-ND	2.40	1.87	1.49	MDF7-16D-2.54DSA(56)	
	20	25.40	22.86	H10678-ND	2.76	2.14	1.72	MDF7-20D-2.54DSA(56)	
	22	27.94	25.40	H10679-ND	2.82	2.19	1.76	MDF7-22D-2.54DSA(56)	
	26	33.02	30.48	H10680-ND	3.27	2.54</			