

# Hirose Board-to-Wire Connectors

1mm to 2mm Pitch



Series Name:						
	DF24	DF50	FX15	DF19	DF20	MDF76
<b>Category:</b>	Cable to Board	Cable to Board	Cable to Board	Cable to Board	Cable to Board	Cable to Board
<b>Contact Pitch:</b>	0.9mm	1.00mm	1.00mm	1.00mm	1.00mm	1.00mm
<b>Pin Count:</b>	40,50	30,40	21,31,41,51	8,14,20,30	10,20,30,40,50	30
<b>No. of Rows:</b>	Double	Double	Double	Single	Double	Single
<b>Contact Plating:</b>	Gold plated	Gold plated with nickel barrier	Gold plated	Gold plated	Gold plated	Gold plated with nickel barrier
<b>Cable Side:</b>	Crimp:	Crimp:	Crimp:	Crimp:	Crimp:	Crimp:
	28-30 AWG 32-34 AWG 36 AWG	28-30 AWG	28-30 AWG 30-32 AWG	28-30 AWG 30-32 AWG	28-30 AWG 30-32 AWG	28-36 AWG
<b>Board Side:</b>	SMT:	SMT:	SMT:	SMT:	SMT:	SMT:
	Straight	Straight	Straight/ Right Angle	Right Angle	Straight/ Right Angle	Right Angle
<b>Mating Cycles:</b>	30	30	50	30	50	50
<b>Mated Height:</b>	Straight:	Straight:	Right Angle:	Right Angle:	Straight:	Right Angle:
	3.8mm	7.15mm	4.40mm	1.46mm - 1.65mm	5.80mm	1.55mm - 2.35mm
					Right Angle: 5.50mm	
<b>Rated Current:</b>	Crimp:	Crimp:	Crimp:	Crimp:	Crimp:	Crimp:
	0.3 Amps-1.0 Amp	1.0 Amp	0.5 Amps	0.3 Amps-1.0 Amp	0.5 Amps-1.0 Amp	0.5 Amps-1.0 Amp
<b>Rated Voltage:</b>	Crimp:	Crimp:	Crimp:	Crimp:	Crimp:	Crimp:
	80V AC	100V AC	100V AC	100V AC	100V AC	200V AC
<b>Locking Mechanism:</b>	--	Yes	Side Lock	--	--	--
<b>Main Application:</b>	Wire to Board style with vertical mating and horizontal wiring.	DVD, PC, Set Top Box, LCD, LCD TV, PDP, Digital TV	DVD, PC, Set Top Box, LCD, LCD TV, PDP, Digital TV	LCD's, Notebook computers, small OA machines, and small consumer products.	LCD's, Notebook computers, small OA machines, and small consumer products.	Notebook computers, LCD panels, LCD monitors requiring a high performance, low profile connector.
<b>Notes:</b>	Rated current varies by wire gauge size.		Rated current varies by wire gauge size. Shielded for EMI prevention.	Rated current varies by wire gauge size.	Rated current varies by wire gauge size.	Rated current varies by wire gauge size. Shielded for EMI prevention. <b>Halogen Free Available</b>
<b>Tooling Information: (Extraction Tools Available):</b>	Automatic Press:	Automatic Press:	Automatic Press:	Automatic Press:	Automatic Press:	Automatic Press:
	CM-105	CM-105	CM-105	CM-105	CM-105	CM-105
	Applicator(s):	Applicator(s):	Applicator(s):	Applicator(s):	Applicator(s):	Applicator(s):
	AP105-DF24-2830S AP105-DF24-3234S AP105-DF24-36S	Please consult Hirose Electric	AP105-FX15-3032	AP105-DF19S	AP105-DF20-2830S	AP105-MDF76-2836P
	Hand Tool(s):		Hand Tool(s):	Hand Tool(s):	Hand Tool(s):	Hand Tool(s):
	--	--	--	HT302/DF19S	HT302/DF20B-2830S	--
Select Hirose type applicators are also available from Application Tooling Solutions (ATS) Harrisburg, Pennsylvania.						

# Hirose Board-to-Wire Connectors

1mm to 2mm Pitch



Series Name:	DF14	DF13	A3/A4	DF3	DF11
<b>Category:</b>	Cable to Board	Cable to Board	Cable to Board	Cable to Board	Cable to Board
<b>Contact Pitch:</b>	1.25mm	1.25mm	2.00mm	2.00mm	2.00mm
<b>Pin Count:</b>	2-10, 15, 20, 25, 30	2-15: Single 10, 20, 30, 40: Double	2-16: Single 4-50: Double	2-15	4-32 Evens
<b>No. of Rows:</b>	Single	Single/ Double	Single/ Double	Single	Double
<b>Contact Plating:</b>	Tin plated or gold plated	Tin plated or gold plated	Gold plated	Tin plated or gold plated	Tin plated or gold plated
<b>Cable Side:</b>	Crimp:	Crimp:	Crimp:	Crimp:	Crimp:
	26-28 AWG	26-30 AWG	26-30 AWG	22 AWG 24-28 AWG	22 AWG 24-28 AWG
	30-32 AWG	30-32 AWG	32-36 AWG	IDC: 26 AWG 28 AWG	30 AWG IDC: 26 AWG
	SMT:	SMT:	SMT:	SMT:	SMT:
<b>Board Side:</b>	Right Angle	Straight / Right Angle	Straight	Straight / Right Angle	Straight
		DIP:	DIP:	DIP:	DIP:
	Straight / Right Angle	Straight / Right Angle	Straight / Right Angle	Extension Plug: Crimp 24-28 AWG	Extension Plug: Crimp 24-28 AWG
<b>Mating Cycles:</b>	Tin plate: 30 Gold plate: 50	Tin plate: 30 Gold plate: 50	100	Tin plate: 30 Gold Plate: 50	Tin plate: 30 Gold Plate: 50
<b>Mated Height:</b>	Right Angle:	Right Angle:	Right Angle:	Right Angle:	Right Angle:
	2.50mm	3.60mm	4.00mm	5.00mm- 5.60mm	5.00mm- 6.50mm
		Straight:	Straight:	Straight:	Straight:
	5.30mm- 5.80mm	7.90mm- 8.80mm	6.80mm- 8.40mm	8.90mm- 11.45mm	
<b>Rated Current:</b>	Crimp:	Crimp:	Crimp:	Crimp:	Crimp:
	1.0 Amp	1.0 Amp	1.0 Amp	1.0 Amp- 3.0 Amps	0.5 Amps- 2.0 Amps
				IDC:	IDC:
			1.0 Amp	1.0 Amp	
<b>Rated Voltage:</b>	Crimp:	Crimp:	Crimp:	Crimp:	Crimp:
	150V AC	150V AC	200V AC	250V AC	250V AC
				IDC:	IDC:
			100V AC	100V AC	
<b>Locking Mechanism:</b>	--	--	--	Panel Lock Only	Panel Lock Only
<b>Main Application:</b>	LCD's, Notebook computers, small OA machines, and small consumer products	LCD's, Notebook computers, small OA machines, and small consumer products	LCD's, Notebook computers, small OA machines, and small consumer products	LCD's, Notebook computers, small OA machines, and small consumer products	LCD's, Notebook computers, small OA machines, and small consumer products
<b>Notes:</b>	1 Amp	1 Amp	1 Amp	Rated current varies by wire gauge size.	Rated current varies by wire gauge size.
<b>Tooling Information: (Extraction Tools Available)</b>	Automatic Press:	Automatic Press:	Automatic Press:	Automatic Press:	Automatic Press:
	CM-105	CM-105	CM-105	CM-105	CM-105
				AM700/DF11	AM700/DF11
				SA701/DF3	SA700/DF11
	Applicator(s):	Applicator(s):	Applicator(s):	Applicator(s):	Applicator(s):
	AP105-DF14-2628S	AP105-DF13-2630S	AP105-A3B-2630S	AP105-DF3-2428S	AP105-DF11-22S
				AP105-DF3-22S	AP105-DF11-2428S
	AP105-DF14-3032S	AP105-DF13-3032S	AP105-A3B-3236S	AP105-DF3-EP2428P	AP105-DF11-30S AP105-DF11-EP2428P
	Hand Tool(s):	Hand Tool(s):	Hand Tool(s):	Hand Tool(s):	Hand Tool(s):
	DF14-2628/CR-HT	DF13-TB2630HC	A3B-TA2630HC	DF3-TA2428HC	DF11-TA22HC
DF3EP-TA2428HC				DF11-TA2428HC	
DF14-3032/CR-HT			DF3-TA22HC	DF11-TA30HC DF11EP-TA2428HC	
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