

# Hirose Board-to-Wire Connectors

## 2.5mm and Larger Pitch

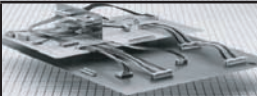






Series Name:						
	A1/A2	DF33	PX	MDF6	DF5	DF22
Category:	Cable to Board	Cable to Board	Cable to Board	Cable to Board	Cable to Board	Cable to Board
Contact Pitch:	2.54mm	3.30mm	3.40mm	3.50mm	5.00mm	7.92mm
Pin Count:	6-64 for A1 1-20 for A2	2-6: Single 4-12: Double	8,12	4-20 Evens	2-10: Single 4-16: Double	1-5
No. of Rows:	Single/ Double	Single/ Double	Double	Double	Single/ Double	Single
Contact Plating:	Gold plated	Tin plated	Gold plated	Tin plated	Tin plated	Tin plated
Cable Side:	Crimp:	Crimp:	Crimp:	Crimp:	Crimp:	Crimp:
	22-26 AWG 26-30 AWG	20-22 AWG	16-18 AWG	16-18 AWG 20-22 AWG	18-22 AWG	10-12 AWG 14-16 AWG
Board Side:	DIP:	DIP:	DIP:	DIP:	DIP:	DIP:
	Straight/ right angle	Straight	Right angle	Straight/ right angle	Straight	Straight/ right angle
Mating Cycles:	100	30	1000	30	30	30
Package Height:	Straight:	Straight:	Straight:	Straight:	Straight:	Straight:
	16.49mm	16.3mm	--	16.70mm	22.50mm	23.70mm
	Right angle:	Right angle:	Right angle:	Right angle:	Right angle:	Right angle:
	6.00mm	--	14.80mm	13.60mm	--	12.20mm
Rated Current:	Crimp:	Crimp:	Crimp:	Crimp:	Crimp:	Crimp:
	3.0 Amps	4.0 Amps - 5.0 Amps	10.0 Amps	4.0 Amps - 7.0 Amps	4.0 Amps - 8.0 Amps	13.0 Amps - 30.0 Amps
Rated Voltage:	Crimp:	Crimp:	Crimp:	Crimp:	Crimp:	Crimp:
	200V AC	500V AC	600V AC	300V AC	500V AC	1000V AC/DC
Locking Mechanism:	--	Yes: (+) Retainers	--	Yes	Yes	Yes
Main Application:	LCD's, Notebook computers, small OA machines, and small consumer products.	Small size power supply connectors.	Power supply connector for industrial equipment.	Secondary power supply unit for various equipment.	Secondary power supply circuits for a wide variety of electronic - office - industrial and consumer equipment.	Secondary power supply circuits for a wide variety of electronic - office - industrial and consumer equipment.
Notes:	Rated current varies by wire gauge size	Rated current varies by wire gauge size	Rated current varies by wire gauge size	Rated current varies by wire gauge size	Rated current varies by wire gauge size	Rated current varies by wire gauge size
Tooling Information: (Extraction Tools Available)	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-A1-2226S	AP105-DF33-2022S	AP105-PX50-3	AP105-MDF6-1618S	AP105-DF5-1822S	AP105-DF22-1416
	AP105-A1-2630S			AP105-MDF6-2022S	AP105-DF5A-1822	AP105-DF22A-1416
	Hand Tool(s):	Hand Tool(s):	Hand Tool(s):	Hand Tool(s):	Hand Tool(s):	Hand Tool(s):
	HIF3-TB2226HC	HT102/DF33-2022S	HT104/PX50-3	MDF6-TA1618HC	DF5-1822/CR-HT	HT103/DF22A-1012
HIF3-TB2630HC	PX50-SC-TC (Extraction tool)		MDF6-TA2022HC	DF5A-1822/CR-HT	HT104/DF22-1416	
Select Hirose type applicators are also available from Application Tooling Solutions (ATS) Harrisburg, Pennsylvania.						

# Hirose Board-to-Wire Connectors

## 2.5mm and Larger Pitch



Series Name:						
	DF1	DF1B	DF1E	HNC	HIF3B* (MIL-C-83503)	
<b>Category:</b>	Cable to Board	Cable to Board	Cable to Board	Cable to Board	Cable to Board	
<b>Contact Pitch:</b>	2.50mm	2.50mm	2.50mm	2.50mm	2.54mm	
<b>Pin Count:</b>	2-20	2-40	2-15	2-8, 10,12,15	10,14,16,20,26,30, 34,40,50,60,64	
<b>No. of Rows:</b>	Single	Single/ Double	Single	Single	Double	
<b>Contact Plating:</b>	Tin plated	Tin plated / Gold plated	Tin plated	Tin plated / Gold plated	Partial Gold / Full Gold plated	
<b>Cable Side:</b>	<b>Crimp:</b>	<b>Crimp:</b>	<b>Crimp:</b>	<b>Crimp:</b>	<b>Crimp:</b>	
	24-28 AWG	20-22 AWG 24-28 AWG 30 AWG	20-22 AWG	22-26 AWG	20-22 AWG 22-26 AWG 24-28 AWG	
	<b>IDC: (Open End Type)</b>	<b>IDC:</b>	24-28 AWG		26-30 AWG 32-36 AWG	
	24 AWG 26 AWG 28 AWG	24 AWG 26 AWG 28 AWG	30 AWG	26-30 AWG	IDC also available	
<b>Board Side:</b>	<b>DIP:</b>	<b>DIP:</b>	<b>DIP:</b>	<b>DIP:</b>	<b>DIP:</b>	
	Straight / Right Angle	Straight / Right Angle		Straight / Right Angle	Straight / Right Angle	Straight / Right Angle
		Extension Plug:		Extension Plug: (Crimp)		
		<b>Crimp:</b>	<b>IDC:</b>	20-22 AWG 24-28 AWG		
		20-22 AWG 24-28 AWG 30 AWG	24 AWG 26 AWG 28 AWG	30 AWG		
<b>Mating Cycles:</b>	30	Tin Plated = 30 Gold Plated = 50	30	Tin Plated = 30 Gold Plated = 50	500	
<b>Package Height:</b>	<b>Straight:</b>	<b>Straight:</b>	<b>Straight:</b>	<b>Straight:</b>	<b>Straight:</b>	
	7.50mm	14.00mm	15.80mm - 21.30mm	15.50mm		
	<b>Right Angle:</b>	<b>Right Angle:</b>	<b>Right Angle:</b>	<b>Right Angle:</b>	<b>Right Angle:</b>	
<b>Rated Current:</b>	6.00mm	5.70mm - 8.65mm	9.00mm	4.80mm		
	<b>Crimp:</b>	<b>Crimp:</b>	<b>Crimp:</b>	<b>Crimp:</b>	<b>Crimp:</b>	
	1.0 Amp - 3.0 Amps	0.5 Amps - 3.0 Amps	0.5 Amps - 3.0 Amps	0.5 Amps - 3.0 Amps	1.0 Amp	
<b>Rated Voltage:</b>	<b>IDC:</b>	<b>IDC:</b>				
	1.0 Amp - 3.0 Amps	0.5 Amps - 3.0 Amps				
	<b>Crimp:</b>	<b>Crimp:</b>	<b>Crimp:</b>	<b>Crimp:</b>	<b>Crimp:</b>	
<b>Locking Mechanism:</b>	250V AC	250V AC	250V AC	250V AC	200V AC	
	<b>IDC:</b>	<b>IDC:</b>				
	250V AC	250V AC				
<b>Locking Mechanism:</b>	--	Yes	Yes: (+) Retainers	Yes	Yes	
<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.	Military standard products	
<b>Notes:</b>	Rated current varies by wire gauge size.	Rated current varies by wire gauge size.	Rated current varies by wire gauge size.	Rated current varies by wire gauge size.	Rated current is 1A.	
<b>Tooling Information: (Extraction Tools Available)</b>	<b>Automatic Press:</b>	<b>Automatic Press:</b>	<b>Automatic Press:</b>	<b>Automatic Press:</b>	<b>Automatic Press:</b>	
	CM-105	CM-105	CM-105	CM-105	CM-105	
	<b>Applicator(s)</b>	<b>Applicator(s)</b>	<b>Applicator(s)</b>	<b>Applicator(s)</b>	<b>Applicator(s)</b>	
	AP105-DF1-2428S	AP105-DF1B-R	AP105-DF1E-2022S	AP105-HNC	AP105-HIF3-2022S	
		AP105-DF-1B-PR	AP105-DF1B-2022S		AP105-HIF3-2226S	
		AP105-DF-1B-2022S	AP105-DF1B-2428S		AP105-HIF3-2428S	
		AP105-DF-1B-2428S	AP105-DF1B-30S		AP105-HIF3-2022SCFC	
		AP105-DF-1B-30S	AP105-DF1B-2022P		AP105-HIF3-2226SCFC	
		AP105-DF-1B-2022P	AP105-DF1B-2428P		AP105-HIF3-2428SCFC	
		AP105-DF-1B-2428P	AP105-DF1B-30P		AP105-HIF3-2630SCFC	
	AP105-DF-1B-30S		AP105-HIF3-3236SCFC			
	<b>Hand Tool(s):</b>	<b>Hand Tool(s):</b>	<b>Hand Tool(s):</b>	<b>Hand Tool(s):</b>	<b>Hand Tool(s):</b>	
	DF1-T2428S	DF1B-T2428HR	HT102/DF1E-2022S	TC-HNC-B	HIF3-TA2022HC	
	HP513: DF1 Connection press	DF1B-T2428PHR	DF1B-TA2022SHC		HIF3-T2226HC	
		DF1B-TA2022SHC	DF1B-TA2428SHC		HIF3-TB2226HC	
DF1B-TA2428SHC		DF1B-TA30SHC				
DF1- Cable Crimper	DF1B-TA30SHC	HT102/DF1BE-2022P	TC-HNC-A	HIF3-TA2428HC		
	DF1B-TA2022PHC	HT102/DF1BE-2428P				
	DF1B-TA2428PHC	HT102/DF1BE-30P		HIF3-TB2630HC		
	DF1B-TA30PHC					

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