

# Board-to-Cable Connectors

Receptacle: **FI - JP##S - VF10 - R3000**

Cable Plug: **FI - JP##C - R3000**

Plug Shell: **FI - JP##C - SH1 - 9000**  
Only orderable in reels

Receptacle: **FI - J##S - VF15N**

Cable Plug: **FI - J##C5 - T3000**

Plug Shell: **FI - J##C2 - SH - D - 10000**  
Only orderable in reels

Receptacle: **FI - R\_ ## S - HF**

E: EMI shell      H: Horizontal  
V: Vertical

Cable Plug: **FI - R\_ ## H \_**

E: EMI shell      L: Locking Latches  
H: Discrete wire crimp  
C: Fine-wire coaxial

Cover Shell: **FI - RE ## CL- SH2 - 3000**  
Only for coax cable plug

Crimp Contacts: **FI-RC3-1A-1E-15000 (upper)**  
**FI-RC3-1B-1E-15000 (lower)**  
Hand Crimp Tool: **CT150-4C-FIR**  
Semi-Auto: **3502-FI-2B**

Receptacle: **FI - DP ## SB - VF 20 L 1**

Mated Height  
20, 1: 2.0mm  
88, Blank: 8.8mm

Cable Plug: **FI - DP ## CL 1**

1: 42 position  
Blank: 58 position

Cover Shell: **FI - DP ## CL- SSH - E - 10000**  
Only orderable in reels

## Single Row

Receptacle: **FI - S\_ ##P - HFE**

Cable Plug: **FI - S\_ ##S**

E: EMI Shell (Only for 20 pos, FPC)      S: Discrete wire crimp  
ME: FPC/FFC  
MRE: Rev. FPC/FFC

## Dual Row

Receptacle: **FI - TWE##PB - VF** Vertical  
**FI - W\_ ##P - HFE** Right angle  
E: EMI Shell

Cable Plug: **FI - W##S**

Crimp Contacts: **FI-C3-A1-15000**  
Hand Crimp Tool: **CT150-4C-FI**  
Semi-Auto: **3502-FI-2B**

Receptacle: **FI - X\_30S\_ \_ L - HF**

B: Mid mount      R: Reverse  
S: Stronger shell

Cable Plug: **FI - X30H\_ \_**

H: Discrete wire crimp      L: Locking latches  
C, C2, C2E: Fine-wire coax  
MA1, FR: FPC/FFC

Crimp Contacts: **FI-XC3A-1-15000**  
Hand Crimp Tool: **CT150-4C-FIX**  
Semi-Auto: **3502-FI-2B**

SMT Receptacle: **IL - Z - ##PL\_ - SMTYE**




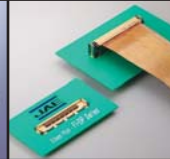
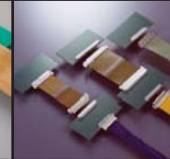
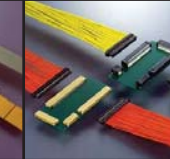
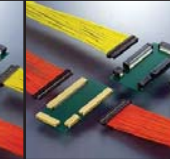
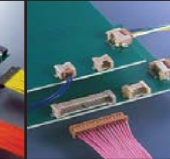
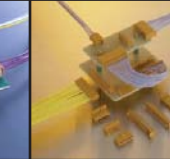
1: 0.6mm post  
Blank: 1.6mm post

Cable Plug: **IL - Z - ##S - S125C3**

Crimp Contacts: **IL- Z-C3-A-15000**  
Hand Crimp Tool: **CT150-4C-ILZ**  
Semi-Auto: **3502-ILZ-2**

Vertical Recept: **IL - G - ##P - S3T2 - SA**  
R/A Recept: **IL - G - ##P - S3L2 - SA**  
Cable Plug: **IL - G - ##S - S3C2 - SA**

Crimp Contacts: **IL-G-C2-SC-10000**  
Hand Crimp Tool: **CT150-1\_ -ILG**  
Semi-Auto: **3502-ILG-2**  
Blank: AWG#28-26  
B: AWG#26-24  
C: AWG#24-22  
D: AWG#20

Series	FI-JP	FI-J	FI-R	FI-DP	FI-X	FI (single row)	FI (dual row)	IL-Z	IL-G
Photo									
Pitch	0.25mm	0.4mm	0.5mm	0.5mm	1.0mm	1.25mm	1.25mm	1.25mm	2.5mm
Discrete Wire AWG	N/A	N/A	#30,32,36	#32-36	#30,32,36	#28,30,32	#28,30,32	#28,30,32	#22,24,26,28
Coax AWG	#44,46	#42,44	#40	#40-42	#32,40	N/A	N/A	N/A	N/A
FPC/FFC	N/A	N/A	FFC (JF04)	N/A	0.14±0.03mm	0.14±0.03mm	N/A	N/A	N/A
Pin Count	40,50	20,25,30,35,40	21,31,41,51	42, 58	30	2-6,8,10,15,20, 25,30	5,7,9,11,13,15,17,19,21,31,41	2-15	2-15
R/A Height	1.1mm	1.58mm	3.8mm	2.0,8.8mm	1.0-2.35mm	1.8mm	3.7mm	3.45mm	6.0mm
Locking	Friction	Friction	Latches	Latches	Latches	Friction	Friction	Friction	Friction
Durability	20 cycles	30 cycles	50 cycles	30 cycles	50 cycles	50 cycles	50 cycles	50 cycles	100 cycles
Current Rating	0.2A	0.3A	0.8A	0.5A	1.0A	1.0A	1.0A	1.0A	3.0A
Voltage Rating	50V	50V	200V	200V	200V	200V	200V	200V	500V
Features	Vertical mating. Small footprint.	Vertical mating. Small footprint.	VESA standard for LCD interface of HD TV. Vertical mount available.	Vertical mating LCD connector compatible with LVDS and eDP.	VESA standard for 1.0mm pitch LVDS interface.	Single row for low profile.	Dual row for smaller footprint.	Multiple terminal lengths available.	Thru-hole. Extremely low cost. Vertical mount available.

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