


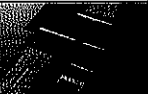







# Board-to-Cable Connectors

Series	FI-J	FI-R	FI-X	FI-E	FI-S	FI-W	IL-Z	IL-S	IL-G
Photo									
Pitch	0.4mm	0.5mm	1.0mm	1.0mm	1.25mm	1.25mm	1.25mm	2.0mm	2.5mm
Wire AWG	N/A	#30,32,36	#30,32,36	#30,32,36	#28,30,32	#28,30,32	#28,30,32	#24,26,28	#22,24,26,28
Coax	AWG#42,44	AWG#40,42	AWG#32,40	AWG#32,40	N/A	N/A	N/A	N/A	N/A
FPC/FFC	N/A	FFC (JF04)	0.14±0.03mm	FFC (JF04)	0.14±0.03mm	0.14±0.03mm	N/A	N/A	N/A
Pin Count	20,25,30,35,40	21,31,41,51	20,30	14,17,30	2-6,8,10,15,20,25,30,35,40,44,50	5,7,9,11,13,15,17,19,21,31,35,41	2-15	2-15	2-15
R/A Height	1.58mm	3.8mm	1.0mm	3.2mm	2.11mm	3.7mm	3.45mm	4.5mm	6.0mm
Locking	N/A	Latches	Latches	Latches	N/A	N/A	Friction	Friction	Friction
Durability	30 cycles	50 cycles	50 cycles	50 cycles	50 cycles	50 cycles	50 cycles	50 cycles	100 cycles
Current Rating	0.3A	0.8A	1.0A	1.0A	1.0A	1.0A	1.0A	3.0A	3.0A
Voltage Rating	50V	200V	200V	200V	200V	200V	200V	300VAC/ 400VDC	Ø35.9mm
Features	Smallest footprint in 0.4mm market	Only major mfg for 0.5mm LVDS. Vertical available	VESA std for 1.0mm LVDS	Only major mfg for 1.0mm LVDS	Single row. Vertical available	Dual row 0.625mm Staggered. Vertical available	Thru-hole or SMT. Vertical available	Thru-hole. Vertical available	Thru-hole. Extremely low cost. Vertical available



Board-to-Board



Input/Output



Board-to-Flex



Memory Card



Circular



Automotive

Receptacle: **FI - J##S - VF15N**  
 Cable Plug: **FI - J##C5**  
 Plug Shell: **FI - J##C2 - SH - D - 10000**  
 Reels only

Receptacle: **FI - R\_ ##S - VF**  
 E: EMI Shell   
 Cable Plug: **FI - R\_ ##H**  
 E: EMI Shell  L: Locking latches   
 H: Discrete wire crimp   
 C: Fine-wire coaxial   
 Crimp Contacts: **FI-RC3-1A-1E-15000**  
**FI-RC3-1B-1E-15000**  
 Hand Crimp Tool: **CT150-4C-FIR**  
 Semi-auto: **350-FI-2B**

Receptacle: **FI - X##S\_ - HF - NPB**  
 L: Lock  Bottom mount  
 SL: Stronger Lock receptacle also available  
 Cable Plug: **FI - X##H -**  
 H: Discrete wire crimp  L: Locking latches   
 HL: Crimp, Lock  
 C, C2: Fine-wire coaxial  
 C2L: Coaxial, Lock  
 MA1: FPC/FFC  
 Crimp Contacts: **FI-XC3-1-15000**  
 Hand Crimp Tool: **CT150-4C-FIX**  
 Semi-auto: **350-FI-2B**

Receptacle: **FI - E##S**  
 Cable Plug: **FI - E##C** H: Discrete wire crimp  
 HL: Crimp, Lock  
 C, C2: Fine-wire coaxial  
 Crimp Contacts: **FI-XC3-1-15000**  
 Hand Crimp Tool: **CT150-4C-FIX**  
 Semi-Auto: **350-FI-2B**  
 For cable side accessories, visit our website

**Single Row**  
 Receptacle: **FI - S##P - HFE**  
 Cable Plug: **FI - S\_ ##S**  
 E: EMI Shell  S: Discrete wire crimp  
 ME: FPC/FFC  
 MRE: Rev. FPC/FFC

**Dual Row**  
 Receptacle: **FI - W##P - HFE** Right-angle  
**FI - TWE##P\_ - VF** Vertical  
 B: Positioning Boss   
 Cable Plug: **FI - W\_ ##S**  
 E: EMI Shell  S: Discrete wire crimp  
 MA1: FPC/FFC R/A  
 MVA1: FPC/FFC Vert.  
 Crimp Contacts: **FI-C3-A1-15000**  
 Hand Crimp Tool: **CT150-4C-FI**  
 Semi-Auto: **350-FI-2B**

SMT Receptacle: **IL - Z - ##PL - SMTYE**  
 T/H Vert Recep: **IL - Z - ##P - S125T3 - E**  
 T/H R/A Recep: **IL - Z - ##P - S125L3 - E**  
 Cable Plug: **IL - Z - ##S - S125C3**  
 Crimp Contacts: **IL - Z-C3-A-15000**  
 Hand Crimp Tool: **CT150-4C-ILZ**  
 Semi-Auto: **350-ILZ-2**

Vertical Recep: **IL - S - ##P - S2T2 - EF**  
 R/A Recep: **IL - S - ##P - S2L2 - EF**  
 Cable Plug: **IL - S - ##S - S2C2**  
 Crimp Contacts: **IL-S-C2-10000**  
 Hand Crimp Tool: **CT150-4-ILS**  
 Semi-Auto: **350-ILS-2**

Vertical Recep: **IL - G - ##P - S3T2 - SA**  
 R/A Recep: **IL - G - ##P - S3L2 - SA**  
 Cable Plug: **IL - G - ##S - S3C2 - SA**  
 Crimp Contacts: **IL-G-C2-SA-10000**  
 Hand Crimp Tool: **CT150-1\_ILG**  
 blank: AWG#28-26  
 B: AWG#26-24  
 C: AWG#24-22  
 D: AWG#20  
 Semi-Auto: **350-ILG-2**