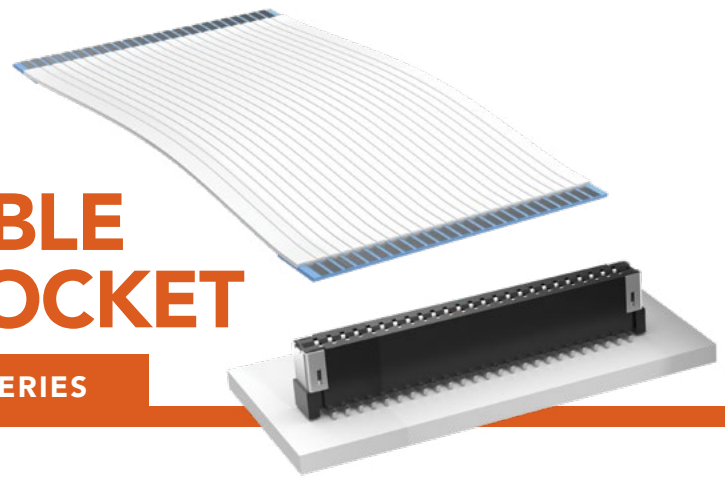


# FLAT FLEXIBLE CABLE (FCC) JUMPER & SOCKET

(1.00 mm) .0394" PITCH • FJ/ZF1/FC1 SERIES



## FJ

**Mates:**  
FC1, ZF1

## ZF1/FC1

**Mates:**  
FJ

### SPECIFICATIONS

#### FJ

**Conductor:**  
Tin Plated Copper  
**Conductor Resistance:**  
300  $\Omega$ /km max  
**Insulation Resistance:**  
10 M $\Omega$ /km min  
(conductor-to-conductor)  
**Dielectric Test:**  
400 VAC during 1 minute  
(conductor-to-conductor)  
**Temperature Rating:**  
-30 °C to +80 °C  
**Voltage Rating:**  
300 VAC

#### ZF1

**Insulator Material:**  
Liquid Crystal Polymer  
**Contact Material:**  
Phosphor Bronze  
**Plating:**  
Sn over 40  $\mu$ " (1.02  $\mu$ m) Ni  
**Weld Tab:** Phosphor Bronze  
**Operating Temp Range:**  
-55 °C to +105 °C

#### FC1

**Insulator Material:**  
Liquid Crystal Polymer  
**Contact Material:**  
Phosphor Bronze  
**Plating:**  
Sn over 50  $\mu$ " (1.27  $\mu$ m) Ni  
**Operating Temp Range:**  
-55 °C to +105 °C  
**Max Cycles:**  
25 with FJ

FJ	NO. OF POSITIONS	STYLE	LENGTH	STRIP LENGTH
	-05, -10, -15, -20, -25, -30	-D = Double End  -R = Reversed End	Length in inches  -03.00 = (76.2 mm) 3.00"  -06.00 = (152.4 mm) 6.00"  -12.00 = (304.8 mm) 12.00"  -24.00 = (609.6 mm) 24.00" (Standard Lengths)	-4 = (4.00 mm) .157" (Required for mating with FC1 & ZF1)

-D STYLE

-R STYLE

ZF1	NO. OF POSITIONS	LEAD STYLE	PLATING OPTION	WT	OPTION
	-05, -10, -15, -16, -20, -25, -30	-01 = Contact Bottom  -02 = Contact Top (10 positions only)	-T = Matte Tin	-WT = Weld Tab	-TR = Tape & Reel  -FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)

### PROCESSING

## ZF1/FC1

**Lead-Free Solderable:**  
Yes  
**SMT Lead Coplanarity:**  
(0.10 mm) .004" max

**Notes:**  
FJ Stiffener color will be blue or black at Samtec's discretion.

Some sizes, styles and options are non-standard, non-returnable.

FC1	NO. OF POSITIONS	LEAD STYLE	PLATING OPTION	OPTION
	-05, -10, -15, -20, -25	-01 = Vertical  -02 = Horizontal	-T = Tin	-LC = Locking Clip (Manual placement required) (-01 only)  -WT = Weld Tab (-02 only)  -K = (4.00 mm) .158" DIA Polyimide film Pick & Place Pad (-01 only)  -TR = Tape & Reel  -FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)

-01

-02

-LC

[samtec.com?FJ](http://samtec.com?FJ), [samtec.com?ZF1](http://samtec.com?ZF1) or [samtec.com?FC1](http://samtec.com?FC1)

F-221

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.

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