

(1,00mm) .03937"

ZF1, FC1 SERIES

FC1-25-02-T-WT



FC1-20-01-T

ZF1-25-01-T-WT



ZF1-10-01-T-WT

# FLAT FLEXIBLE CABLE (FFC) SOCKET

Mates with:  
FJ

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?ZF1](http://www.samtec.com?ZF1)

**Insulator Material:** Liquid Crystal Polymer  
**Contact Material:** Phosphor Bronze  
**Plating:** Sn over 40µ" (1,02µm) Ni  
**Weld Tab:** Phosphor Bronze  
**Operating Temp Range:** -55°C to +105°C  
**Current Rating:** 1.9A @ 50°C ambient (4 contacts powered)  
**RoHS Compliant:** Yes



**Processing:**  
**Lead-Free Solderable:** Yes  
**SMT Lead Coplanarity:** (0,10mm) .004" max

**Note:** Some lengths, styles and options are non-standard, non-returnable.

ZF1	NO. OF POSITIONS	LEAD STYLE	PLATING OPTION	WT	OPTION
	-05, -10, -15, -16, -20, -25, -30	-01 = Contact Bottom	-T = Matte Tin	-WT = Weld Tab	-TR = Tape & Reel Packaging

(1,50) .059 (No. of pins x (1,00) .03937) + (5,85) .230 (0,25) .010

(No. of pins x (1,00) .03937) + (7,00) .276

(3,00) .118 (1,00) .03937

**ALSO AVAILABLE**

Contact Top and other positions available. Call Samtec.

**APPLICATION**

Mates with:  
FJ

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?FC1](http://www.samtec.com?FC1)

**Insulator Material:** Liquid Crystal Polymer  
**Contact Material:** Phosphor Bronze  
**Plating:** Tin over 50µ" (1,27µm) Ni  
**Current Rating:** 2A @ 80° ambient  
**Operating Temp Range:** -55°C to +105°C  
**Max Cycles:** 25 with FJ  
**RoHS Compliant:** Yes



**Processing:**  
**Lead-Free Solderable:** Yes  
**SMT Lead Coplanarity:** (0,10mm) .004" max

**Note:** Some lengths, styles and options are non-standard, non-returnable.

FC1	NO. OF POSITIONS	LEAD STYLE	PLATING OPTION	OPTIONS
	-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 = (4,00mm) .158" DIA Polyimide film Pick & Place Pad (-01 only) -TR = Tape & Reel Packaging

(No. of pins x (1,00) .03937) + (2,33) .092

(No. of pins x (1,00) .03937) + (1,00) .03937

(2,77) .109 (6,35) .250 (1,19) .047

(1,00) .03937 (2,77) .109

**APPLICATION SPECIFIC OPTION**

Low insertion force contacts available. Call Samtec.

Due to technical progress, all designs, specifications and components are subject to change without notice.

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