

**(1,00 mm) .0394"**

**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" (1,02 µm) Ni  
**Weld Tab:** Phosphor Bronze  
**Operating Temp Range:** -55°C to +105°C  
**Current Rating:** 1.9A per contact @ 50°C ambient (4 contacts powered)  
**RoHS Compliant:** Yes



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

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

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

Dimensions: (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" (1,27 µm) Ni  
**Current Rating:** 2A per contact @ 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:** (0,10 mm) .004" max

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

FC1	NO. OF POSITIONS	LEAD STYLE	PLATING OPTION	OPTIONS
	<b>-05, -10, -15, -20 &amp; -25</b>	<b>-01</b> = Vertical <b>-02</b> = Horizontal	<b>-T</b> = Tin	<b>-LC</b> = Locking Clip (Manual placement required) (-01 only) <b>-WT</b> = Weld Tab (-02 only) <b>-K</b> = (4,00 mm) .158" DIA Polyimide film Pick & Place Pad (-01 only) <b>-TR</b> = Tape & Reel Packaging

Dimensions: (No. of pins x (1,00) .03937) + (2,33) .092, (No. of pins x (1,00) .03937) + (1,00) .03937, (2,77) .109, (1,00) .03937, (0,30) .012, (5,28) .208, (4,09) .161, (6,35) .250, (1,19) .047, (1,24) .049

**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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