

(1.00 mm) .0394"

ZF1, FC1 SERIES

# 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 40  $\mu$ " (1.02  $\mu$ m) Ni

### Weld Tab:

Phosphor Bronze

### Operating Temp Range:

-55 °C to +105 °C

### RoHS Compliant:

Yes

## PROCESSING

### Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

(0.10 mm) .004" max

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



FILE NO. E111594

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 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  
(5.30) .209  
(4.9) .19

### APPLICATION

### ALSO AVAILABLE (MOQ Required)

- Other positions Contact Samtec.

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

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:

Sn over 50  $\mu$ " (1.27  $\mu$ m) Ni

### 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

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



FILE NO. E111594

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 = (4.00 mm) .158" DIA Polyimide film Pick & Place Pad (-01 only) -TR = Tape & Reel Packaging

### ALSO AVAILABLE (MOQ Required)

- Low insertion force contacts available Contact Samtec.

(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  
(5.18) .204  
(4.09) .161  
(6.35) .250  
(1.19) .047  
(1.42) .056  
(1.40) .055

### -LC OPTION

(5.18) .204  
(4.09) .161  
(6.35) .250  
(1.19) .047

(5.18) .204  
(4.09) .161  
(6.35) .250  
(1.19) .047

(5.18) .204  
(4.09) .161  
(6.35) .250  
(1.19) .047

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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.