

# 1 mm PITCH FFC/FPC SOCKET FC1 SERIES

## 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

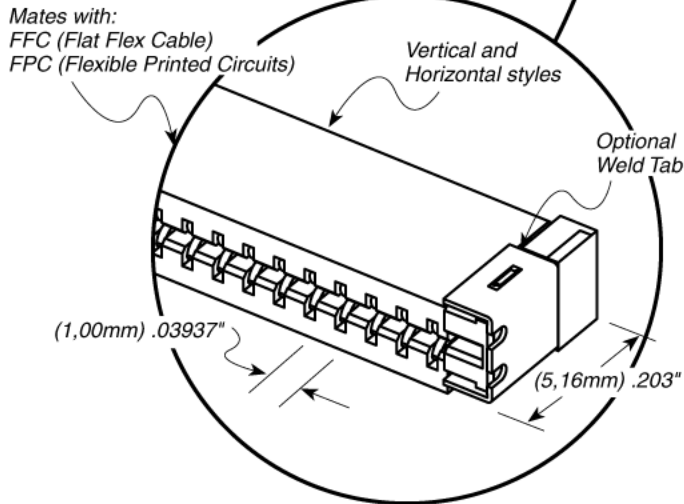
### Processing:

**Max Processing Temp:**  
230°C for 60 seconds

**Lead-Free Solderable:**  
No. Call Samtec

**SMT Lead Coplanarity:**  
(0,10mm) .004" max

**Mates with:**  
FJ and flex cable with contact/stiffener thickness of (0,30mm) .012"



FC1	NO. OF POSITIONS	LEAD STYLE	PLATING OPTION	OPTIONS
	-05, -10, -15, -20 & -25	-01 = Vertical -L1 = Low Insertion Force Vertical -02 = Horizontal -L2 = Low Insertion Force Horizontal	-T = Tin	-LC = Locking Clip (-01 and -L1 only) -WT = Weld Tab (-02 and -L2 only) -K = (4,00mm) .158" DIA Polyimide film Pick & Place Pad (-01 & L1 only) -TR = Tape & Reel Packaging
<p>(No. of pins x (1,00) .03937) + (2,33) .092</p> <p>(No. of pins x (1,00) .03937) + (1,00) .03937</p> <p>(2,77) .109</p> <p>(1,00) .03937</p>		<p>(6,35) .250</p> <p>(1,19) .047</p> <p>(2,77) .109</p> <p>-02 &amp; -L2</p>		
<p>(5,28) .208</p> <p>(4,09) .161</p> <p>(1,24) .049</p> <p>(0,30) .012</p> <p>-01      -02</p>		<p>(1,24) .049</p> <p>-01 &amp; -L1</p>		<p>(1,24) .049</p> <p>-LC OPTION</p>

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

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

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