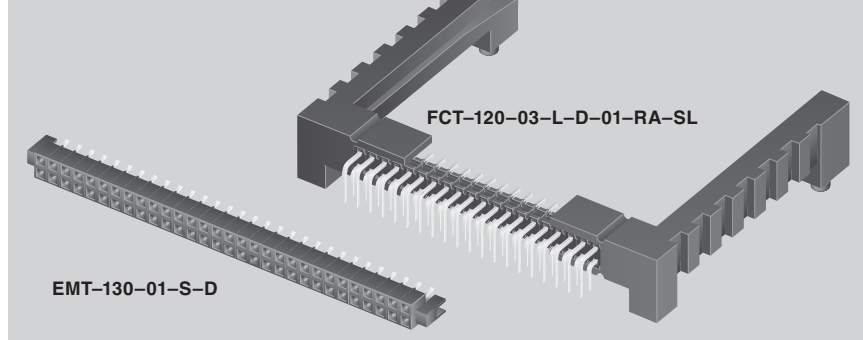




(2,00mm) .0787"

FCT, EMT SERIES



# FLEXCARD™ TERMINAL & SOCKET STRIPS

Mates with:  
EMT

## SPECIFICATIONS

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

**Insulator Material:** Black Liquid Crystal Polymer  
**Terminal Material:** Phosphor Bronze  
**Current Rating:** 3A @ 80°C ambient  
**Operating Temp Range:** -55°C to +105°C with Tin; -55°C to +125°C with Gold  
**Plating:** Sn or Au over 50µ" (1,27µm) Ni  
**RoHS Compliant:** Yes



**Processing:** Lead-Free Solderable:  
Wave, or reflow with Matte Sn plating

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

<b>FCT</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>LEAD STYLE</b>	<b>PLATING OPTION</b>	<b>D</b>	<b>CARD SLOT</b>	<b>TAIL OPTION</b>	<b>SL</b>									
<b>20, 30 &amp; 40</b> (Call Samtec for other sizes)			Specify LEAD STYLE from chart	<b>-F</b> = Gold flash on post, Matte Tin on tail  <b>-L</b> = 10µ" (0,25µm) Gold on post, Matte Tin on tail  <b>-S</b> = 30µ" (0,76µm) Gold on post, Matte Tin on tail		<b>-01</b> = Accepts (0,80mm) .031" thick card	<b>-RA</b> = Right Angle (Leave blank for vertical version. Style -02 only)										
		No. of positions x (2,00) .0787 + (18,19) .716 No. of positions x (2,00) .0787 + (13,87) .546		(2,00) .0787 (3,20) .126 (2,00) .0787 (44,45) 1.750		(2,00) .0787 (38,10) 1.500 (1,14) .045 (2,29) .090 (3,81) .150 (2,00) .0787 (1,52) .060 TYP (2,54) .100 DIA TYP		<table border="1"> <thead> <tr> <th>LEAD STYLE</th> <th>Y</th> <th>CARD-TO-BOARD SPACE (X)</th> </tr> </thead> <tbody> <tr> <td>-02</td> <td>(6,35) .250</td> <td>(2,60) .1025</td> </tr> <tr> <td>-03</td> <td>(9,53) .375</td> <td>(5,78) .2275</td> </tr> </tbody> </table>	LEAD STYLE	Y	CARD-TO-BOARD SPACE (X)	-02	(6,35) .250	(2,60) .1025	-03	(9,53) .375	(5,78) .2275
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## SPECIFICATIONS

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

**Insulator Material:** Black LCP  
**Contact Material:** BeCu  
**Current Rating:** 3A @ 80°C ambient  
**Operating Temp Range:** -55°C to +125°C  
**Plating:** Sn or Au over 50µ" (1,27µm) Ni  
**Contact Resistance:** 10 mΩ max  
**Insertion Depth:** (3,05mm) .120" to (3,30mm) .130"  
**Insertion Force:** -01=1.5oz (0,44N) average; -51=2.5oz (0,70N) average  
**Withdrawal Force:** -01=1.1oz (0,31N) average; -51=1.5oz (0,44N) average  
**Lead-Free Solderable:** Yes, with Matte Sn plating  
**SMT Lead Coplanarity:** (0,10mm) .004" max (20); (0,15mm) .006" max (30-40)  
**RoHS Compliant:** Yes



<b>EMT</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>CARD THICKNESS</b>	<b>PLATING OPTION</b>	<b>D</b>
<b>20, 30, 40</b> (Call Samtec for other sizes)			<b>-01</b> = (0,80mm) .031" thick board (Low Insertion Force)  <b>-51</b> = (0,80mm) .031" thick board (Standard Insertion Force)	<b>-L</b> = 10µ" (0,25µm) Gold on contact, Matte on tail  <b>-S</b> = 30µ" (0,76µm) Gold on contact, Matte Tin on tail	
Mates with: FCT Note: Some lengths, styles and options are non-standard, non-returnable.		No. of positions x (2,00) .0787 + (3,56) .140		(2,08) .082 (2,00) .0787 (2,00) .0787 (4,00) .158 (5,46) .215 (3,56) .140 (0,51) .020 (2,74) .108 (0,81) .032	

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

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