

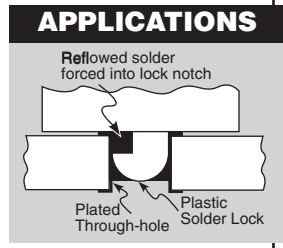
**(1,27mm) .050"**  
**FCF, EMF SERIES**

# FLEXCARD™ TERMINAL & SOCKET STRIPS

**SPECIFICATIONS**

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

**Insulator Material:** Black Liquid Crystal Polymer  
**Terminal Material:** Phosphor Bronze  
**Plating:** Sn or Au over 50µ" (1,27µm) Ni  
**Current Rating:** 2A @ 80°C ambient  
**Operating Temp Range:** -55°C to +105°C with Tin; -55°C to +125°C with Gold  
**Lead-Free Solderable:** Yes  
**RoHS Compliant:** Yes



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

**FCF** - **1** **NO. PINS PER ROW** - **LEAD STYLE** - **PLATING OPTION** - **D** - **CARD SLOT** - **TAIL OPTION** - **SL**

Mates with: EMF

**20, 30, 40 & 50**  
(Call Samtec for other sizes)

Specify LEAD STYLE from chart

**-L**  
= 10µ" (0,25µm) Gold on post, Matte Tin on tail

**-S**  
= 30µ" (0,76µm) Gold on post, Matte Tin on tail

**-01**  
= Accepts (0,80mm) .031" thick card

**-RA**  
= Right Angle  
(Leave blank for vertical version. Style -02 only)

| LEAD STYLE | Y           | CARD-TO-BOARD SPACE (X) |
|------------|-------------|-------------------------|
| -02        | (6,35) .250 | (2,60) .1025            |
| -03        | (9,53) .375 | (9,53) .375             |

**SPECIFICATIONS**

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

**Insulator Material:** Black Liquid Crystal Polymer  
**Contact Material:** BeCu  
**Plating:** Au or Sn over 50µ" (1,27µm) Ni  
**Current Rating:** 1A  
**Operating Temp Range:** -55°C to +125°C  
**Contact Resistance:** 10 mΩ max  
**Insertion Depth:** (3,05mm) .120" to (4,06mm) .160"  
**Insertion Force:** (Single contact only) 3.0oz (0,83N) avg.  
**Withdrawal Force:** (Single contact only) 2.0oz (0,56N) avg.  
**Lead-Free Solderable:** Yes  
**SMT Lead Coplanarity:** (0,10mm) .004" max (20) (0,15mm) .006" max (30-50)  
**RoHS Compliant:** Yes



**EMF** - **1** **NO. PINS PER ROW** - **CARD THICKNESS** - **PLATING OPTION** - **D**

Mates with: FCF

**20, 30, 40 & 50**  
(Call Samtec for other sizes)

**-01**  
= (0,80mm) .031" thick board

**-L**  
= 10µ" (0,25µm) Gold on contact, Matte Tin on tail

**-S**  
= 30µ" (0,76µm) Gold on contact, Matte Tin on tail

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

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