



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

FLEXCARD™ TERMINAL & SOCKET STRIPS

SPECIFICATIONS

For complete specifications and recommended PCB layouts see 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



APPLICATIONS

Reflowed solder forced into lock notch

Plated Through-hole Plastic Solder Lock

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

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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