



(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

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:

Max Processing Temp:
230°C for 60 seconds or
260°C for 20 seconds 3x
with Matte Sn plating
Lead-Free Solderable:
Wave, or reflow with
Matte Sn plating

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

FCT	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	D	CARD SLOT	TAIL OPTION	SL
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20, 30 & 40
(Call Samtec for other sizes)

Specify LEAD STYLE from chart

-F
= Gold flash on post, Matte Tin on tail

-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	(5,78) .2275

Style -02

Style -03

-RA OPTION

SPECIFICATIONS

For complete specifications and recommended PCB layouts see 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

Max Processing Temp:
230°C for 60 seconds or
260°C for 20 seconds 3x
with Matte Sn plating

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

EMT	1	NO. PINS PER ROW	CARD THICKNESS	PLATING OPTION	D
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Mates with: FCT

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

20, 30, 40
(Call Samtec for other sizes)

-01
= (0,80mm) .031" thick board (Low Insertion Force)

-51
= (0,80mm) .031" thick board (Standard Insertion Force)

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

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

TIGER EYE CONTACT™

-RA OPTION

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

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