



(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:
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
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)	
		No. of positions x (2,00) .0787 + (18,19) .716 No. of positions x (2,00) .0787 + (13,87) .546		(3,20) .126 (2,00) .0787 (44,45) 1.750		(2,00) .0787 (1,14) .045 (38,10) 1.500 (2,29) .090 (1,52) .060 TYP (2,54) .100 DIA TYP (2,00) .0787 (3,81) .150		
		Style -02		Style -03		-RA OPTION		

LEAD STYLE	Y	CARD-TO-BOARD SPACE (X)
-02	(6,35) .250	(2,60) .1025
-03	(9,53) .375	(5,78) .2275

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

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
20, 30, 40 (Call Samtec for other sizes)			-01 = (0,80mm) .031" thick board (Low Insertion Force)	-L = 10µ" (0,25µm) Gold on contact, Matte on tail -S = 30µ" (0,76µm) Gold on contact, Matte Tin on tail	
		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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