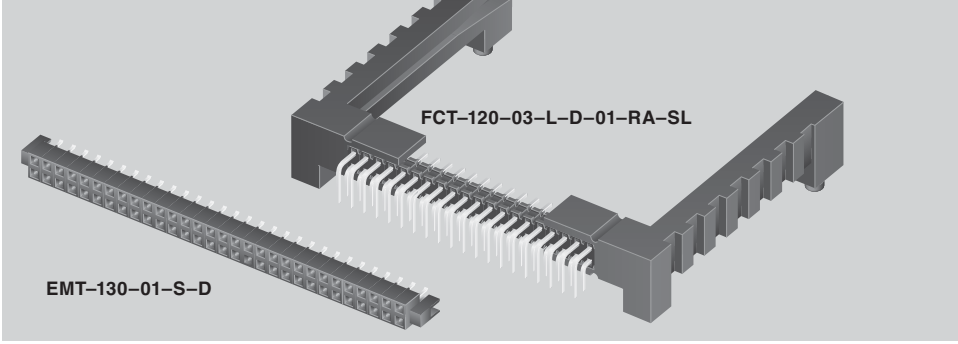
samtec



(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
FILE NO. E111594
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

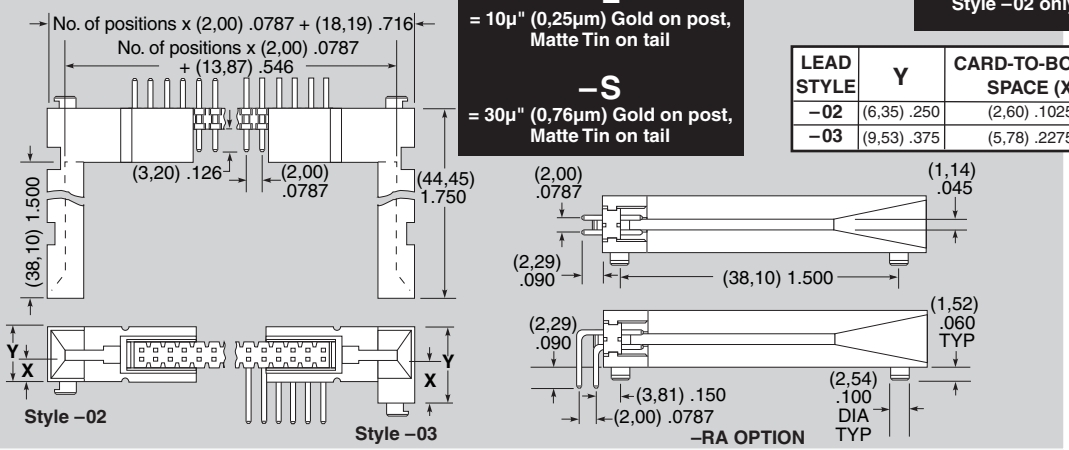
NO. PINS PER ROW: 20, 30 & 40 (Call Samtec for other sizes)

LEAD STYLE: Specify LEAD STYLE from chart

PLATING OPTION:
–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

CARD SLOT:
–01 = Accepts (0,80mm) .031" thick card

TAIL OPTION:
–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

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?EMT

Insulator Material:
Black LCP
FILE NO. E111594
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

Mates with: FCT

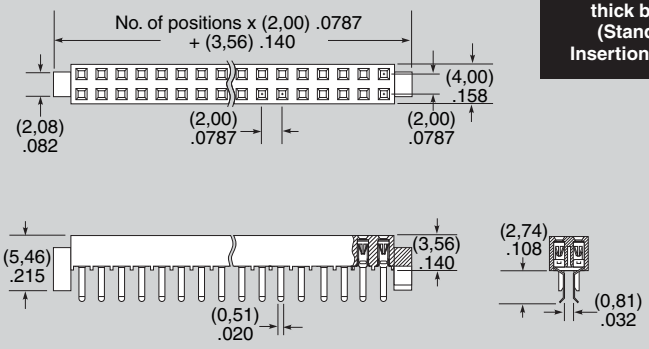
Note: Some lengths, styles and options are non-standard, non-returnable.

NO. PINS PER ROW: 20, 30, 40 (Call Samtec for other sizes)

CARD THICKNESS:
–01 = (0,80mm) .031" thick board (Low Insertion Force)
–51 = (0,80mm) .031" thick board (Standard Insertion Force)

PLATING OPTION:
–L = 10µ" (0,25µm) Gold on contact, Matte on tail
–S = 30µ" (0,76µm) Gold on contact, Matte Tin on tail

TIGER EYE CONTACT™



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

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