

(1,27 mm) .050"

CFT, CFS SERIES

# COMPACT FLASH TERMINALS & SOCKETS

### SPECIFICATIONS

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

**Insulator Material:**  
Black Liquid Crystal Polymer

**Terminal Material (CFT):**  
Phosphor Bronze

**Contact Material (CFS):**  
BeCu

**Plating:**  
Sn or Au over 50µ" (1,27 µm) Ni

**Operating Temp Range:**  
CFT = -55°C to +105°C Tin  
CFT = -55°C to +125°C Gold  
CFS = -55°C to +125°C

**Contact Resistance (CFS):**  
10 mΩ

**Insertion Depth (CFS):**  
(3,05 mm) .120" min

**Insertion Force (CFS):**  
(Single contact only)

3.3 oz (0,92 N) avg.

**Withdrawal Force (CFS):**  
(Single contact only)

2.5 oz (0,70 N) avg.

**Lead-Free Solderable:**  
Yes

**SMT Lead Coplanarity:**

CFT = (0,15 mm) .006" max

CFS = (0,10 mm) .004" max

**RoHS Compliant:**

Yes

## CFT - 125 - LEAD STYLE - PLATING OPTION - D - RA - CARD LENGTH - SL

Mates with:  
CFS

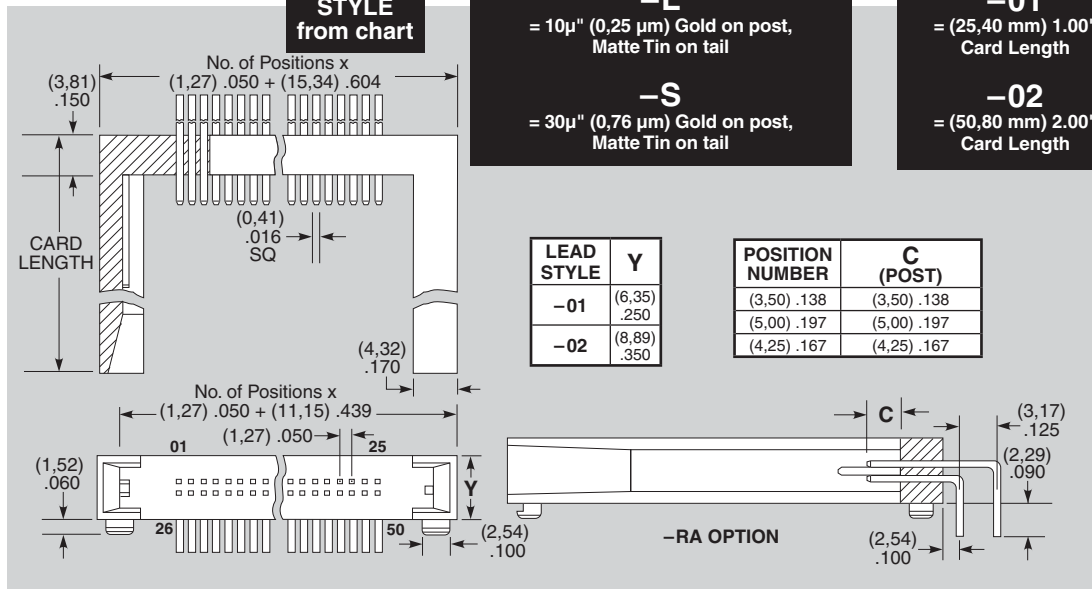
Specify LEAD STYLE from chart

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

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

**-01**  
= (25,40 mm) 1.00" Card Length

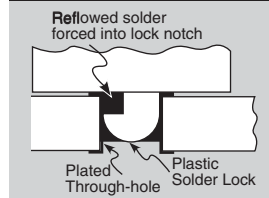
**-02**  
= (50,80 mm) 2.00" Card Length



LEAD STYLE	Y
-01	(6,35) .250
-02	(8,89) .350

POSITION NUMBER	C (POST)
(3,50) .138	(3,50) .138
(5,00) .197	(5,00) .197
(4,25) .167	(4,25) .167

### APPLICATIONS



## CFS - 1 - NO. PINS PER ROW - CARD THICKNESS - PLATING OPTION - D

Mates with:  
CFT

25

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

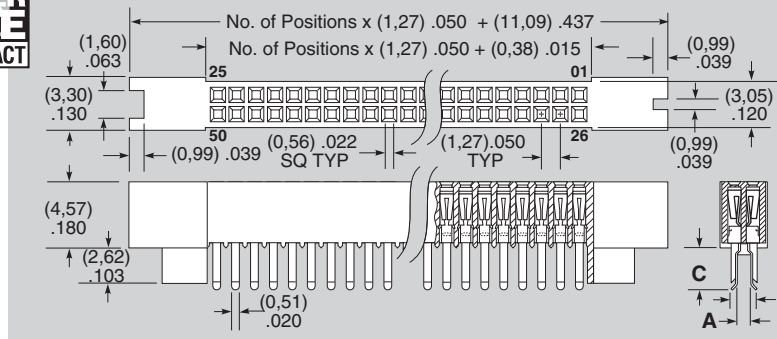
**-02**  
= (1,60 mm) .062" thick board

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

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

### RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



CARD THICKNESS	A	B	C
-01	(1,02) .040	(1,79) .070	(3,12) .123
-02	(1,70) .067	(2,46) .097	(2,77) .109

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

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

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