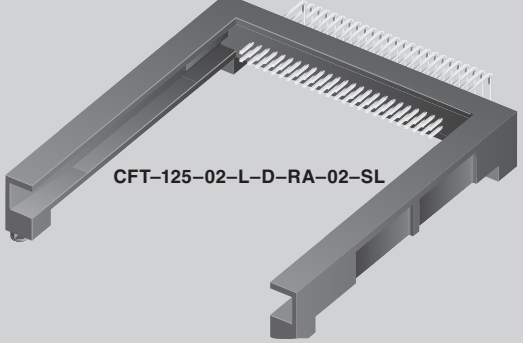
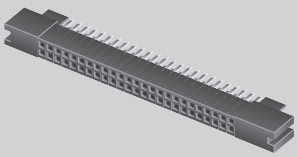
samtec





(1,27 mm) .050"

CFT, CFS SERIES

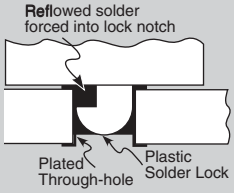
COMPACT FLASH TERMINALS & SOCKETS

SPECIFICATIONS

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

APPLICATIONS



RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality

FILE NO. E111594

TIGER EYE CONTACT™

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

CFT – 125 – LEAD STYLE – PLATING OPTION – D – RA – CARD LENGTH – SL

Mates with: CFS

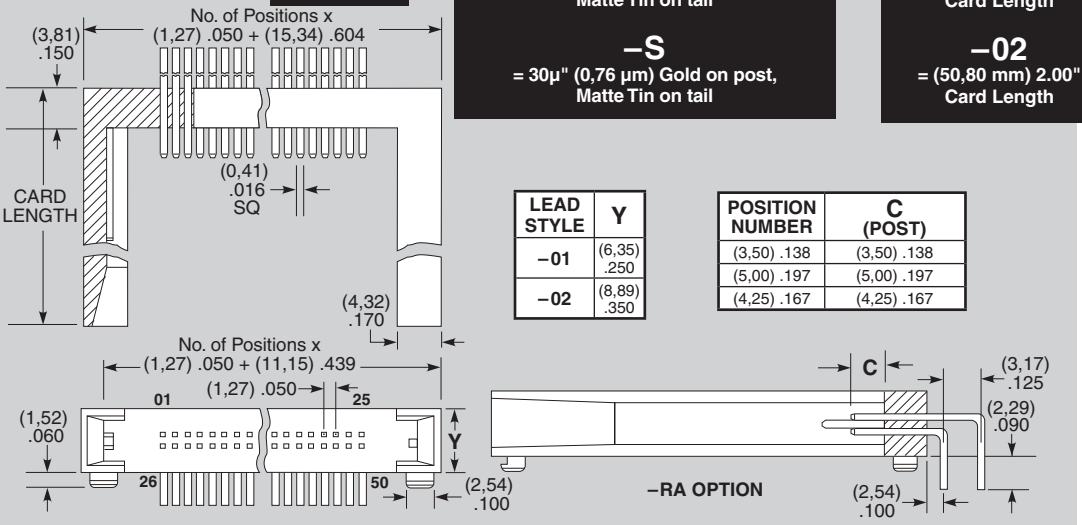
Specify LEAD STYLE from chart

–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

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

Mates with: CFT

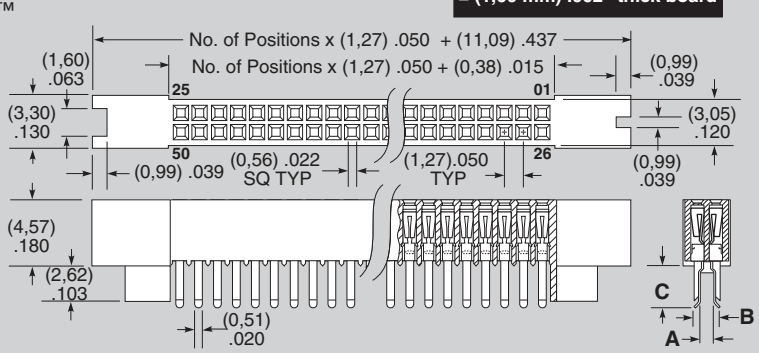
25

–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



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

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

SAMTEC USA • Tel: +1-800-SAMTEC-9 or +1-812-944-6733 SAMTEC NORTHERN CALIFORNIA • Tel: +1-408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: +1-800-726-8329
SAMTEC SOUTH AMERICA • Tel: +55 31 3786 3227 SAMTEC UNITED KINGDOM • Tel: +44 01236 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0
SAMTEC FRANCE • Tel: +33 1 60 95 06 60 SAMTEC ITALY • Tel: +39 039 6890337 SAMTEC NORDIC/BALTIC • Tel: +46 8 4477280 SAMTEC BENELUX • Tel: +44 01236 739292
SAMTEC ISRAEL • Tel: +972 3 7526600 SAMTEC INDIA • Tel: +91 80 3272 1612 SAMTEC ANZ • Tel: +613 9580 0683 SAMTEC SINGAPORE • Tel: +65 6745 5955 SAMTEC JAPAN • Tel: +81 45 475 1385
SAMTEC SHANGHAI • Tel: +86 21 6083 3766 SAMTEC SHENZHEN • Tel: +86 755 83776780 SAMTEC TAIWAN • Tel: +886 2 2735 6109 SAMTEC HONG KONG • Tel: +852 26904858 SAMTEC KOREA • Tel: +82 31 717 5685