



(1.27 mm) .050"

TFC SERIES

COST-EFFECTIVE RELIABLE HEADER

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com/TFC

Insulator Material:

Black Liquid Crystal Polymer

Terminal Material:

Phosphor Bronze

Plating:

Au or Sn over

50 μ " (1.27 μ m) Ni

Current Rating:

3.1 A per pin

(2 pins powered)

Voltage Rating:

350 VAC mated with SFC

Operating Temp Range:

-55 °C to +125 °C

RoHS Compliant:

Yes

PROCESSING

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0.10 mm) .004" max (03-25)

(0.15 mm) .006" max (30-50)*

*(.004" stencil solution

may be available; contact

IPG@samtec.com)

RECOGNITIONS

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



ALSO AVAILABLE (MOQ Required)

- Other sizes
- Contact Samtec.

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

Board Mates:
SFC

Cable Mates:
SFSD, SFSDT

MATED HEIGHTS

LEAD STYLE		MATED HEIGHT*
TFC	SFC	
-01	-T1	(5.97) .235
-11		(7.75) .305
-21		(9.53) .375
-31		(11.43) .450
-02	-T2	(6.35) .250
-12		(8.13) .320
-22		(9.91) .390
-32		(11.81) .465

*Processing conditions will affect mated height.

Shrouded body for blind mating

(1.27 mm x 1.27 mm)
.050" x .050"
micro pitch

Choice of eight body heights

Surface Mount or Through-hole

Alignment pin option available

TFC

1

NO. PINS PER ROW

LEAD STYLE

PLATING OPTION

D

OPTION

03, 04, 06, 08
(Lead Style -01 & -02 only)

05, 07, 10, 15, 20, 25,
30, 35, 40, 45, 50
(Standard sizes)

-X1
= Through-hole

-X2
= Surface Mount

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

-L
= 10 μ " (0.25 μ m) Gold on post,
Matte Tin on tail

-RA
= Right-angle
(-01 only)

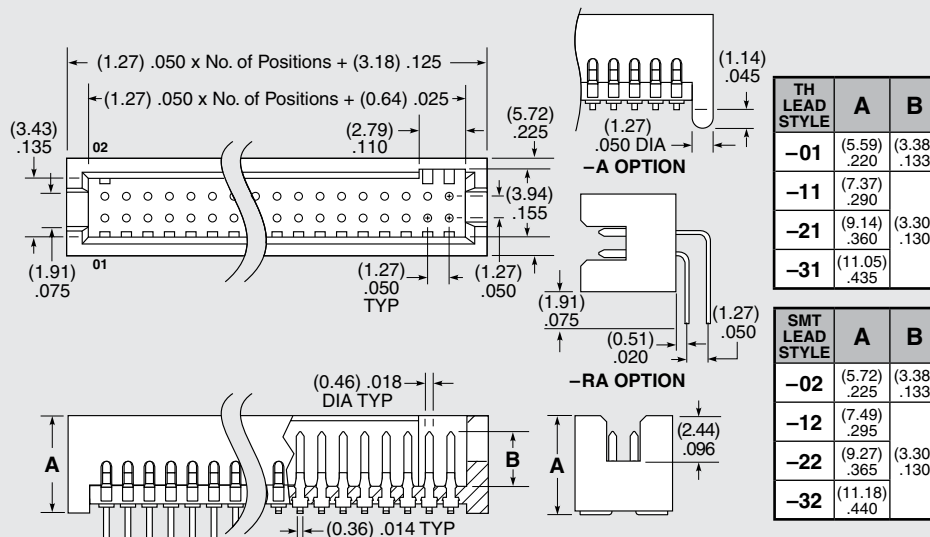
-A
= Alignment Pin

-LC
= Locking Clip
(Manual Placement required)
(not available with -RA)

-K
= (6.75 mm) .266"
DIA Polyimide film
Pick & Place Pad

-P
= Plastic Pick & Place Pad
(5 positions min.)

-TR
= Tape & Reel
(-X2 only)



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

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.