

(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



FILE NO. E111594

ALSO AVAILABLE (MOQ Required)

- Other sizes

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 ROWLEAD
STYLEPLATING
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
= 15 μ " (0.38 μ m) Gold on post,
Matte Tin on tail

-RA
= Right-angle
(-01 only)

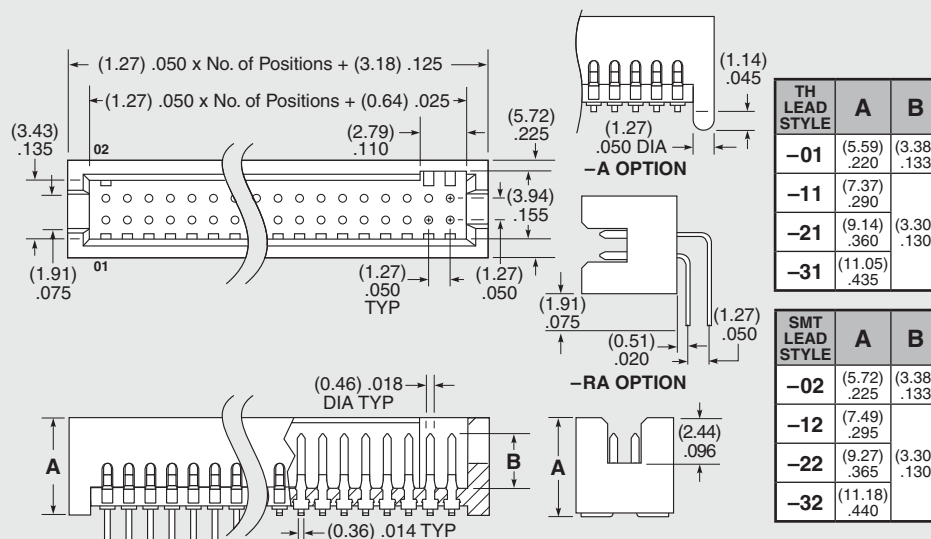
-A
= Alignment Pin

-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)



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

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.

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[TFC-115-32-F-D-A-K-TR](#)