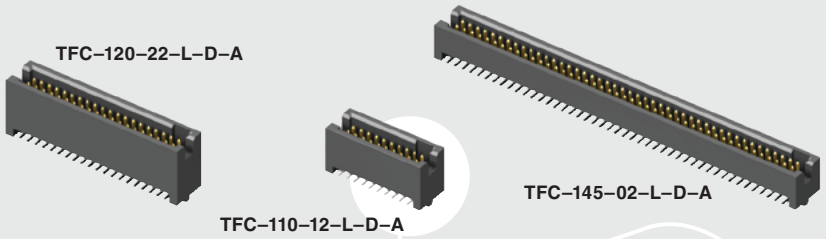
samtec

TIGER™ EYE SYSTEM



(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 µm) 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

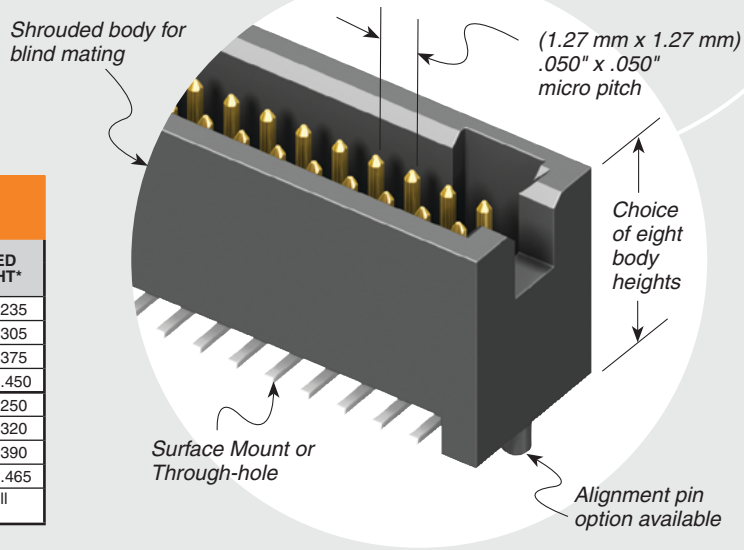
Board Mates:
SFC

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.



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
= 15 µ" (0.38 µm) Gold on post, Matte Tin on tail

–RA
= Right-angle (–01 only)

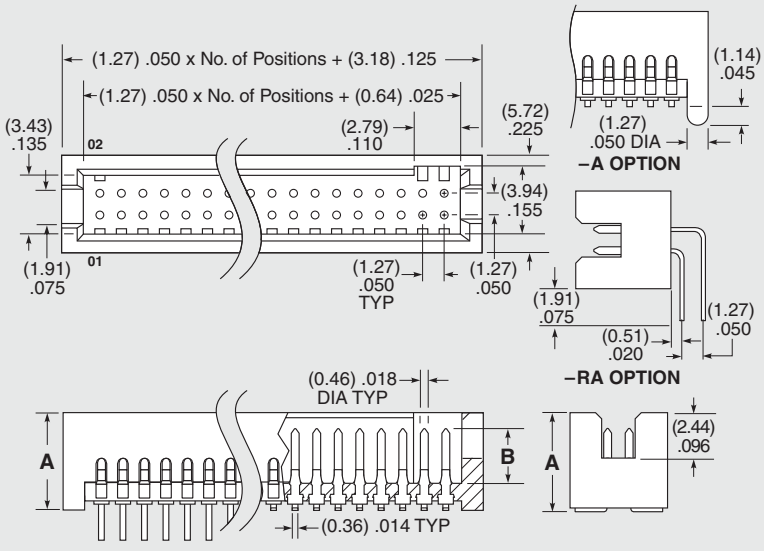
–A
= Alignment Pin

–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)



TH LEAD STYLE	A	B
–01	(5.59) .220	(3.38) .133
–11	(7.37) .290	(3.30) .130
–21	(9.14) .360	
–31	(11.05) .435	

SMT LEAD STYLE	A	B
–02	(5.72) .225	(3.38) .133
–12	(7.49) .295	(3.30) .130
–22	(9.27) .365	
–32	(11.18) .440	

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.

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.

Mouser Electronics

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Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Samtec:
TFC-105-32-L-D-K-TR