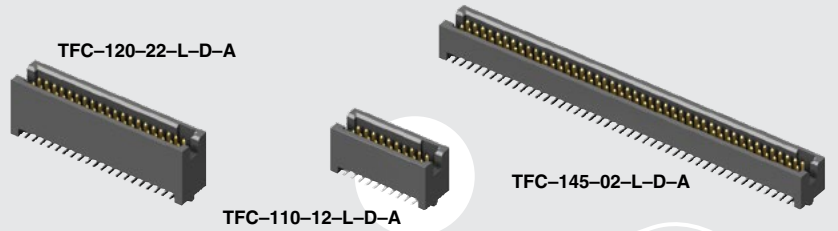




**THE DATASHEET OF  
TFC-145-32-F-D-A**





(1.27 mm) .050"

TFC SERIES

# COST-EFFECTIVE RELIABLE HEADER

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com/TFC](http://www.samtec.com/TFC)

**Insulator Material:**  
Black Liquid Crystal Polymer  
**Terminal Material:**  
Phosphor Bronze

**Plating:**  
Au or Sn over  
50 μm (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

**Board Mates:**  
SFC

**Cable Mates:**  
SFS, 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

Surface Mount or Through-hole

Choice of eight body heights

Alignment pin option available

## HIGH-SPEED CHANNEL PERFORMANCE

Rating based on Samtec reference channel. For full SI performance data visit [Samtec.com](http://Samtec.com) or contact [SIG@samtec.com](mailto:SIG@samtec.com)



## 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](mailto:IPG@samtec.com))

## RECOGNITIONS

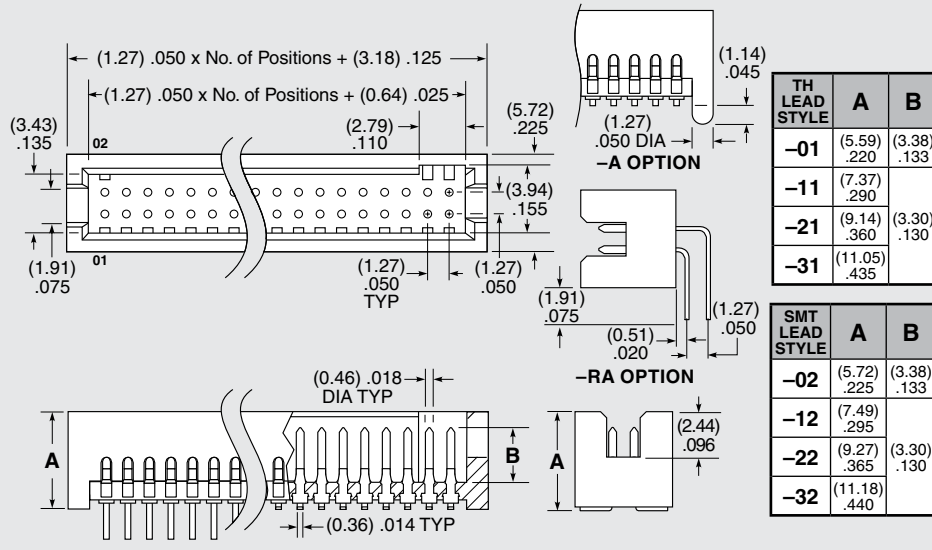
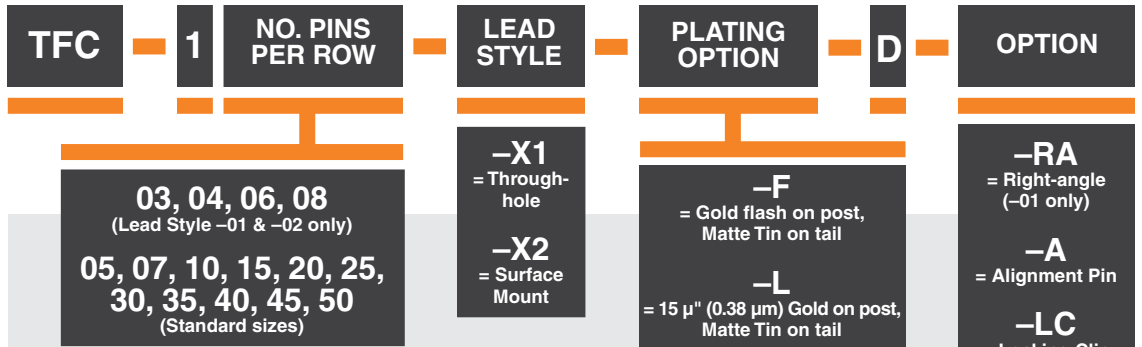
For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



FILE NO. E111594

## ALSO AVAILABLE (MOQ Required)

- Other sizes



**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](http://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.

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View TFC-145-32-F-D-A on WIN SOURCE](#)
-  [Samtec Inc. Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

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-  Obsolete Management
-  Cost Control Management
-  Shortage Management
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