

(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 Pairing: 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:

### **PROCESSING**

Lead-Free Solderable:

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



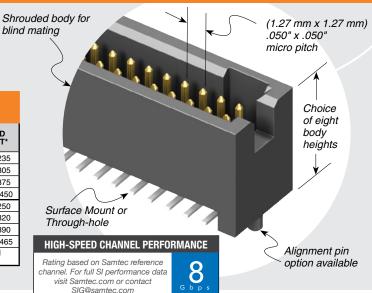
## **ALSO AVAILABLE** (MOQ Required)

· Other sizes

**Board Mates:** 

**Cable Mates:** 

MATED HEIGHTS		
LEAD STYLE		MATED
TFC	SFC	HEIGHT*
- 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.		



**NO. PINS** TFC PER ROW

**LEAD STYLE**  **PLATING OPTION** 

**OPTION** 

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

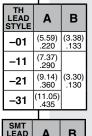
05, 07, 10, 15, 20, 25, 30, 35, 40, 45, 50 (Standard sizes)

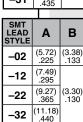
-X1 = Throughhole

**-X2** = Surface Mount

Gold flash on post Matte Tin on tail

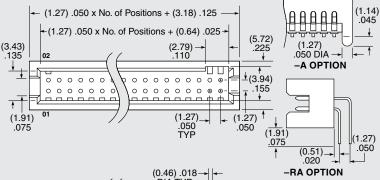
= 15 μ" (0.38 μm) Gold on post, Matte Tin on tail

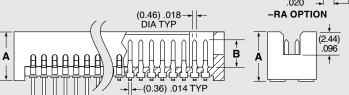




Some sizes, styles and options are non-standard,

non-returnable.





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

-RA

= Right-angle (-01 only)

-A

= Alignment Pin

-LC

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

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

–TR

= Tape & Reel (–X2 only)

= Full Reel Tape & Reel (Must order max. quantities per reel. **Contact Samtec for** parts per reel) (-X2 only)

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