

(1.27 mm) .050"

**TFSD, TFSDT SERIES**

# TIGER EYE™ DISCRETE CABLE ASSEMBLY

## SPECIFICATIONS

For complete specifications see [www.samtec.com?TFSD](http://www.samtec.com?TFSD) or [www.samtec.com?TFSDT](http://www.samtec.com?TFSDT)

### Insulator Material:

Black LCP

### Contact Material:

BeCu

### Plating:

Au over 50 μ" (1.27 μm) Ni

### Operating Temp Range:

-10 °C to +80 °C (PVC)

-40 °C to +125 °C (\*Teflon®)

### Wire:

28 or 30 AWG

### RoHS Compliant:

Yes

### Mates with:

SFM, SFC (-TR requires

TFM-WT option),

SFML (-XL end option

required)

Single or  
Double  
Ended28 or 30  
AWG(1.27 mm)  
.050"  
pitch

## RECOGNITIONS

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



FILE NO. E111594

## ALSO AVAILABLE (MOQ Required)

- Color coded cable (\*Teflon® not available)
- Other plating options

\*DuPont™ Teflon® is a registered trademark of the E.I. du Pont de Nemours and Company or its affiliates.

## TYPE STRIP

**TFSD**  
= Double Row PVC Cable

**TFSDT**  
= Double Row \*Teflon® Cable

## POSITIONS PER ROW

**-03, -04, -05, -07, -10, -15, -20, -25, -40, -50**  
(Standard sizes)

## WIRE GAUGE

**-30**  
= 30 AWG  
**-28**  
= 28 AWG

## PLATING OPTION

**-G**  
= 10 μ" (0.25 μm) Gold on contact

## ASSEMBLED LENGTH

**"XX.XX"**  
= Assembled Length in Inches (76.20 mm)  
03.00" min. for -S end option  
(82.60 mm)  
03.25" min. for -D, -T, -TF, & -TR end option

## END OPTION

**-S**  
= Single Ended  
**-D**  
= Double Ended  
**-T**  
= Transfer End Terminal on End 1 Socket on End 2  
**-TF**  
= Transfer End with Friction Lock (-05 & -07 positions not available.)  
**-TR**  
= Transfer End with Retention Latch (TFM -WT option required for mating)

## END 2 OPTION

Requires -D, -TF or -TR (End 1 Notch Down).  
**-NUS**  
= Notch up, straight  
**-NDS**  
= Notch down, straight  
**-NUX**  
= Notch up, crossed  
**-NDX**  
= Notch down, crossed

| OPTION | PIN CONFIGURATION |
|--------|-------------------|
| T-NUS  | Pin 1 to Pin N    |
| T-NDS  | Pin 1 to Pin 1    |
| T-NUX  | Pin 1 and Pin N-1 |
| T-NDX  | Pin 1 to Pin 2    |
| D-NUS  | Pin 1 to Pin 2    |
| D-NDS  | Pin 1 and Pin N-1 |
| D-NUX  | Pin 1 and Pin 1   |
| D-NDX  | Pin 1 to Pin N    |



### Notes:

For wiring option and pin position location information, refer to drawings on web.

Teflon® cable is intended for crimp only. Contact Samtec for solderable cable applications.

Some lengths, 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.