



(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 μm (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)



## RECOGNITIONS

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



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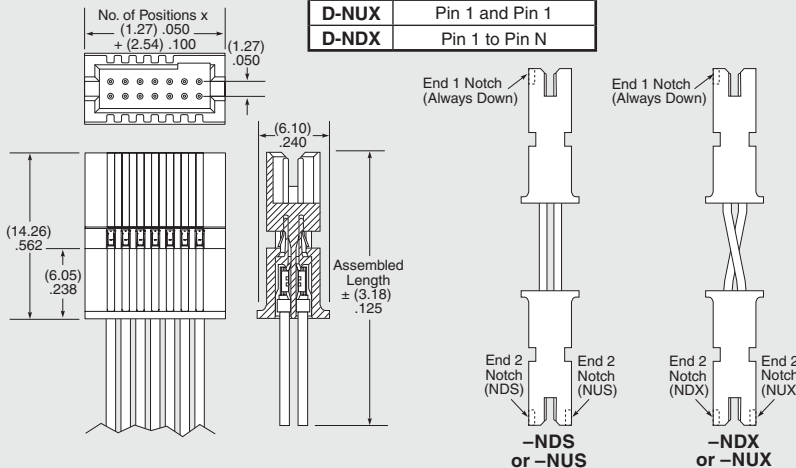
## ALSO AVAILABLE (MOQ Required)

- 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   | POSITIONS PER ROW  | WIRE GAUGE                             | PLATING OPTION                                | ASSEMBLED LENGTH   | END OPTION   | END 2 OPTION  |
|--|--|--|---|--|--|---|
| <b>TFSD</b><br>= Double Row PVC Cable<br><br><b>TFSDT</b><br>= Double Row *Teflon® Cable | -03, -04,<br>-05, -07,<br>-10, -15,<br>-20, -25,<br>-40, -50<br>(Standard sizes) | -30<br>= 30 AWG<br><br>-28<br>= 28 AWG | -G<br>= 10 μm<br>(0.25 μm)<br>Gold on contact | -"XX.XX"<br>= Assembled Length in Inches (76.20 mm)<br>03.00" min. for -S end option (82.60 mm)<br>03.25" min. for -D, -T, -TF, & -TR end option | -S<br>= Single Ended<br><br>-D<br>= Double Ended<br><br>-T<br>= Transfer End Terminal on End 1 Socket on End 2<br><br>-TF<br>= Transfer End with Friction Lock (-05 & -07 positions not available.)<br><br>-TR<br>= Transfer End with Retention Latch (TFM -WT option required for mating) | Requires -D, -TF or -TR (End 1 Notch Down).<br><br>-NUS<br>= Notch up, straight<br><br>-NDS<br>= Notch down, straight<br><br>-NUX<br>= Notch up, crossed<br><br>-NDX<br>= 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.