

# samtec



(1,27 mm) .050"

TFSDT-05-30-G-05.00-D-NUS

TFSD-15-30-G-05.00-D-NUS

TFSS-07-30-G-05.00-D-NUS

TFSS, TFSST, TFSD, TFSDT SERIES

# TIGER EYE™ DISCRETE CABLE ASSEMBLY

## SPECIFICATIONS

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

### Insulator Material:

Black LCP

### Contact Material:

BeCu

### Plating:

Au over 50µ" (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

| TYPE STRIP                                  | POSITIONS PER ROW                                                                | WIRE GAUGE                             | PLATING OPTION                            | ASSEMBLED LENGTH                                                                                                                   | END OPTION                                                                                                                                                                                                                                                                                                                                      | END 2 OPTION                                                                                                                                                                                                                                                                                            |
|---------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>TFSS</b><br>= Single Row PVC 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>= 10µ" (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<br>(82,60 mm)<br>03.25" min. for -D 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 (See chart for End 2 option)<br><br>-TF*<br>= Transfer End with Friction Lock<br><br>-TR<br>= Transfer End with Retention Latch (TFM -WT option required for mating)<br><br>*-05 & -07 positions not available. TFSD, TFSDT only | Requires -D, -TF or -TR (End 1 Notch Down).<br><br>-NUS<br>= Notch up, straight (Pin 1 to Pin 2)<br><br>-NDS<br>= Notch down, straight (Pin 1 to Pin N-1)<br><br>-NUS<br>= Notch up, crossed (Pin 1 to Pin 1) (TFSD/TFSDT only)<br><br>-NDX<br>= Notch down, crossed (Pin 1 to Pin N) (TFSD/TFSDT only) |
| <b>TFSST</b><br>= Single Row *Teflon® Cable |                                                                                  |                                        |                                           |                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                         |
| <b>TFSD</b><br>= Double Row PVC Cable       |                                                                                  |                                        |                                           |                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                         |
| <b>TFSDT</b><br>= Double Row *Teflon® Cable |                                                                                  |                                        |                                           |                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                         |

  

| END 2 | END OPTION        |
|-------|-------------------|
| T-NUS | Pin 1 to Pin N    |
| T-NDS | Pin 1 to Pin 1    |
| T-NUS | Pin 1 and Pin N-1 |
| T-NDX | Pin 1 to Pin 2    |

  

Technical drawings showing dimensions and end options for TFSD, TFSS, and TFSDT assemblies. Dimensions include: No. of Positions x (1,27) .050 ± (2,54) .100; (6,10) .240; (14,26) .562; (4,83) .190; (6,05) .238; Assembled Length ± (3,18) .125. End options shown include: End 1 Notch (Always Down), End 2 Notch (NUS), End 2 Notch (NDX), End 2 Notch (NUS), End 2 Notch (NDX), End 2 Notch (NUS), End 2 Notch (NDX).

## ALSO AVAILABLE (MOQ Required)

- Color coded cable (\*Teflon® N/A)
  - Other plating options
- Contact Samtec.

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

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

**Note:** 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

SAMTEC USA • Tel: +1-800-SAMTEC-9 or +1-812-944-6733 SAMTEC NORTHERN CALIFORNIA • Tel: +1-408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: +1-800-726-8329  
 SAMTEC SOUTH AMERICA • Tel: +55 31 3786 3227 SAMTEC UNITED KINGDOM • Tel: +44 01236 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0  
 SAMTEC FRANCE • Tel: +33 1 60 95 06 60 SAMTEC ITALY • Tel: +39 039 6890337 SAMTEC NORDIC/BALTIC • Tel: +46 8 4477280 SAMTEC BENELUX • Tel: +44 01236 739292  
 SAMTEC ISRAEL • Tel: +972 3 7526600 SAMTEC INDIA • Tel: +91 80 3272 1612 SAMTEC ANZ • Tel: +613 9580 0683 SAMTEC SINGAPORE • Tel: +65 6745 5955 SAMTEC JAPAN • Tel: +81 45 475 1385  
 SAMTEC SHANGHAI • Tel: +86 21 6083 3766 SAMTEC SHENZHEN • Tel: +86 755 83776780 SAMTEC TAIWAN • Tel: +886 2 2735 6109 SAMTEC HONG KONG • Tel: +852 26904658 SAMTEC KOREA • Tel: +82 31 717 5685