



**(1,27 mm) .050"**

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

TFSD-15-30-G-05.00-D-NUX

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)  
10°C to +105°C (\*T=5)

-40°C  
Wire

**Wire:**  
28 or 30 AWG

28 of 30 AWG  
RoHS Compliant:

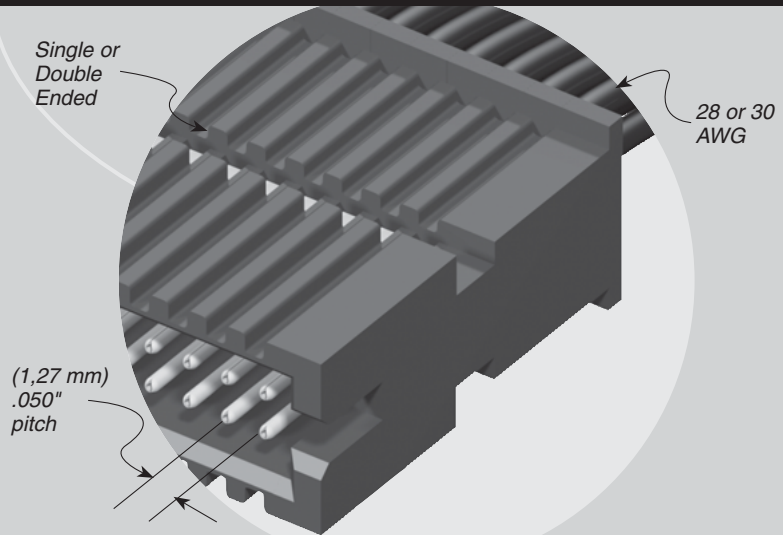
Yes

## RECOGNITIONS

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



**Mates with:**  
SFM, SFC (-TR requires  
TFM-WT option),  
SFML (-XL end option  
required)



| TYPE STRIP                                                                                                                                                                               | POSITIONS PER ROW                                                                | WIRE GAUGE                             | PLATING OPTION                            | ASSEMBLED LENGTH                                                                                                      | END OPTION                                                                                                                                                                                                                                                                                                                                       | END 2 OPTION                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>TFSS</b><br>= Single Row PVC Cable<br><br><b>TFSST</b><br>= Single Row *Teflon® Cable<br><br><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>= 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>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>-NDS<br>= Notch down, crossed (Pin 1 to Pin N) (TFSD/TFSDT only) |

| END 2 | END OPTION        |
|-------|-------------------|
| 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    |

Technical drawings showing cross-sections and end views of the cable assemblies:

- TFSD:** Double Row PVC Cable. Dimensions: (6.10) 240, (14.26) .562, Assembled Length ± (3.18) .125.
- TFSS:** Single Row PVC Cable. Dimensions: No. of Positions x (1.27) .050 + (2.54) .100, (1.27) .050, (4.83) 190, Assembled Length ± (3.18) .125.
- NDS or -NUS:** Notch down, straight. End 1 Notch (Always Down). End 2 Notch (NUS).
- NDS or -NUS:** Notch down, straight. End 1 Notch (Always Down). End 2 Notch (NDS).
- NDX or -NUS:** Notch down, crossed. End 1 Notch (Always Down). End 2 Notch (NDX).
- NDS or -NUS:** Notch down, crossed. End 1 Notch (Always Down). End 2 Notch (NUS).

*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 7526600   **SAMTEC INDIA** • Tel.: +91 80 3272 6116   **SAMTEC ANZ** • Tel.: +613 9580 0683   **SAMTEC SINGAPORE** • Tel.: +65 6745 595   **SAMTEC JAPAN** • Tel.: +81 45 475 1385  
**SAMTEC HONG KONG** • Tel.: +86 21 6083 3766   **SAMTEC SHENZHEN** • Tel.: +86 755 83776780   **SAMTEC TAIWAN** • Tel.: +886 2 2735 6109   **SAMTEC HONG KONG** • Tel.: +852 26904058   **SAMTEC KOREA** • Tel.: +82 31 717 5685

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Samtec:

[TFSST-17-28-H-18.00-T-NUS](#)