



**TIGER  
EYE™**  
DISCRETE

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

TSDF-10-D-S

T1M44-M-2830-01-G

(1.27 mm) .050"

TFSD, TFSDT, TSDF, T1M44-R, T1M44-M SERIES

# DISCRETE WIRE COMPONENTS & TOOLING

## Mates with:

SFM, SFC (-TR requires TFM-WT option), SFML (-XL end option required)

## 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  $\mu$ " (1.27  $\mu$ m) Ni

### Operating Temp Range:

-10 °C to +80 °C (PVC)

-40 °C to +125 °C

(\*Teflon™ Fluoropolymer)

### Current Rating:

2.9 A per pin

(2 pins powered)

### Voltage Rating:

275 VAC/389 VDC

### Wire:

28 or 30 AWG

### RoHS Compliant:

Yes

\*Teflon™ is a trademark of The Chemours Company FC, LLC used under license by Samtec.

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

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

\*Teflon™ Fluoropolymer cable is intended for crimp only. Contact Samtec for solderable cable applications.

Some lengths, styles and options are non-standard, non-returnable.

## SPECIFICATIONS

For complete specifications see [www.samtec.com?TSDF](http://www.samtec.com?TSDF), [www.samtec.com?T1M44-R](http://www.samtec.com?T1M44-R) or [www.samtec.com?T1M44-M](http://www.samtec.com?T1M44-M)

### Insulator Material:

Black LCP

### Contact Material:

BeCu

## TOOLING

- Hand Tool:  
CAT-HT-144-2830-12
- Mini Applicator  
CAT-MC-144-2830-XX-01
- Extraction Tool:  
CAT-EX-169-01

### Note:

Some sizes, styles and options are non-standard, non-returnable.

| TYPE                     | POSITIONS PER ROW                                                           | ROW OPTION                | S | TYPE                                                                                                                              | WIRE GAUGE                     | 01 | PLATING                                                        |
|--------------------------|-----------------------------------------------------------------------------|---------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----|----------------------------------------------------------------|
| <b>TSDF</b><br>= Housing | <b>-03, -04, -05, -07, -10, -15, -20, -25, -40, -50</b><br>(Standard sizes) | <b>-D</b><br>= Double Row |   | <b>T1M44-R</b><br>= Terminal, Full Reel (35,000 parts per Reel)<br><b>T1M44-M</b><br>= Terminal, Mini Reel (5,000 parts per Reel) | <b>-2830</b><br>= 28 to 30 AWG |    | <b>-G</b><br>= 10 $\mu$ "<br>(0.25 $\mu$ m)<br>Gold on contact |
|                          |                                                                             |                           |   |                                                                                                                                   |                                |    |                                                                |