

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®)

**Wire:** 28 or 30 AWG

**RoHS Compliant:** Yes

## RECOGNITIONS

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



### 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.

| TYPE STRIP                            | POSITIONS PER ROW                                                                | WIRE GAUGE                             | PLATING OPTION                                          | ASSEMBLED LENGTH                                                                                                                                      | END OPTION                                                                                                                                                                                                                                                                                | END 2 OPTION                                                                                                                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>TFSD</b><br>= Double 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>= 10 $\mu$ "<br>(0.25 $\mu$ m)<br>Gold on contact | "XX.XX"<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 | -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 |

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

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

(0.46) .018 DIA

(3.81) .150

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