



**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

**TFSD**  
= Double Row  
PVC Cable

**TFSDT**  
= Double Row  
Blue  
\*Teflon™  
Fluoro-  
polymer  
Cable

## POSITIONS PER ROW

**-03, -04,  
-05, -07,  
-10, -15,  
-20, -25,  
-40, -50**  
(Standard sizes)

## WIRE GAUGE

**-30**  
= 30 AWG  
**-28**  
= 28 AWG

## PLATING OPTION

**-G**  
= 10  $\mu$ "  
(0.25  $\mu$ m)  
Gold on  
contact

## ASSEMBLED LENGTH

**"XX.XX"**  
= Assembled  
Length in  
Inches  
(76.20 mm)  
03.00" min. for  
-S end option  
(82.60 mm)  
03.25" min. for  
-D, -T, -TF, &  
-TR end option

## END OPTION

**-S**  
= Single Ended  
**-D**  
= Double Ended  
**-T**  
= Transfer End  
Terminal on End 1  
Socket on End 2  
**-TF**  
= Transfer End  
with Friction Lock  
(-05 & -07 positions  
not available.)  
**-TR**  
= Transfer End  
with Retention Latch  
(TFM -WT option  
required for mating)

## END 2 OPTION

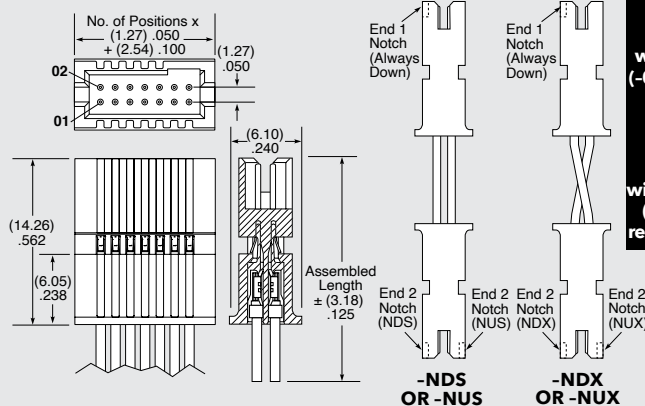
Requires  
-D, -TF  
or -TR  
(End 1  
Notch  
Down).  
**-NUS**  
= Notch up,  
straight  
**-NDS**  
= Notch  
down,  
straight  
**-NUS**  
= Notch up,  
crossed  
**-NDX**  
= Notch  
down,  
crossed

### 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

**TSDF**  
= Housing

## POSITIONS PER ROW

**-03, -04,  
-05, -07,  
-10, -15,  
-20, -25,  
-40, -50**  
(Standard sizes)

## ROW OPTION

**-D**  
= Double Row

## S

## TYPE

**T1M44-R**  
= Terminal,  
Full Reel  
(35,000 parts  
per Reel)

**T1M44-M**  
= Terminal,  
Mini Reel  
(5,000 parts  
per Reel)

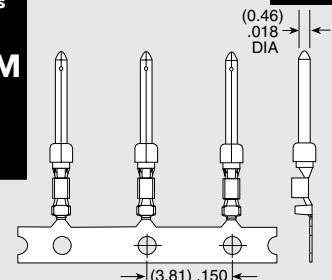
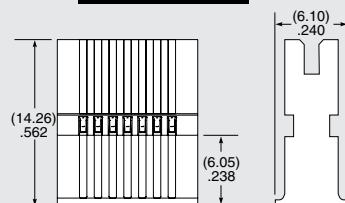
## WIRE GAUGE

**-2830**  
= 28 to 30 AWG

## 01

## PLATING

**-G**  
= 10  $\mu$ "  
(0.25  $\mu$ m)  
Gold on  
contact



[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.