

(1.27 mm) .050"



SFSD, SFSDT SERIES

# TIGER EYE™ DISCRETE CABLE ASSEMBLY

## SPECIFICATIONS

**Insulator Material:** Black LCP  
**Contact Material:** BeCu  
**Plating:** Au over 50  $\mu$  (1.27  $\mu$ ) Ni  
**Current Rating (SFSD/TFC):** 2.9 A per pin (1 pin powered per row)  
**Operating Temp Range:** -10 °C to +80 °C (PVC)  
-40 °C to +125 °C (\*Teflon®)  
**Voltage Rating:** 275 VAC (PVC)  
235 VAC (\*Teflon®)  
**Wire:** 28 or 30 AWG  
**RoHS Compliant:** Yes  
\*DuPont™ Teflon® is a registered trademark of the E.I. du Pont de Nemours and Company or its affiliates.

Mates with:  
**TFM, TFC**  
(-SR & -DR requires -WT option)



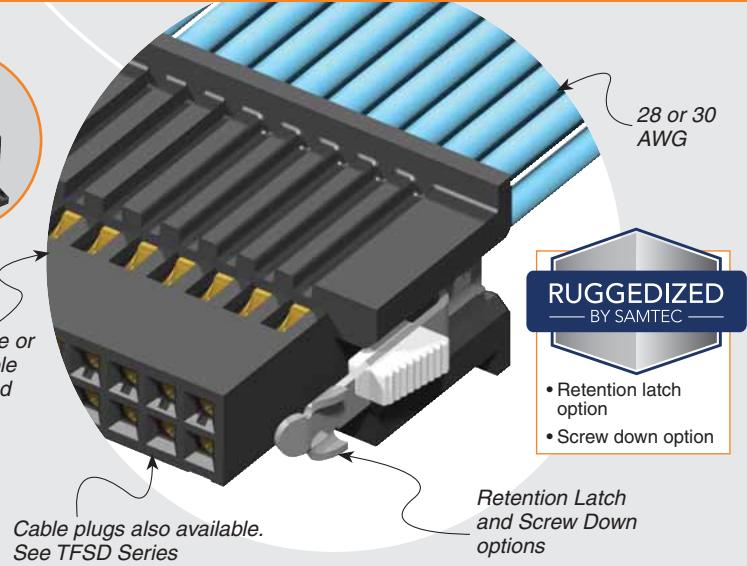
## -SR/-DR APPLICATIONS

When Mated to TFM-WT

| Terminal/Housing Retention |
|----------------------------|
| Min (22.25 N) 5.0 lb       |
| Max (26.52 N) 5.96 lb      |
| Avg (24.34 N) 5.47 lb      |

| Wire/Crimp Retention  |
|-----------------------|
| Min (20.47 N) 4.6 lb  |
| Max (36.49 N) 8.2 lb  |
| Avg (29.95 N) 6.73 lb |

### Single or Double Ended



Cable plugs also available. See TFSD Series

## RECOGNITIONS



## APPLICATION

| -28C CABLE COLOR CODING |        |
|-------------------------|--------|
| PIN                     | COLOR  |
| 1                       | BROWN  |
| 2                       | RED    |
| 3                       | ORANGE |
| 4                       | YELLOW |
| 5                       | GREEN  |
| 6                       | VIOLET |
| 7                       | GRAY   |
| 8                       | WHITE  |
| 9                       | BLACK  |
| 10                      | BLUE   |
| ETC                     | REPEAT |

### TYPE STRIP

**SFSD**  
= Double Row PVC Cable

**SFSDT**  
= Double Row \*Teflon® Cable

### POSITIONS PER ROW

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

### WIRE GAUGE

-30  
= 30 AWG  
-28  
= 28 AWG  
-28C  
= Color Coded Cable (SFSD only)

### PLATING OPTION

-G  
= 10  $\mu$ " (0.25  $\mu$ ) Gold on contact, Gold Flash on balance

### 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 end option

### END OPTION

-S  
= Single Ended  
-D  
= Double Ended

For -(X) specify "S" for single ended and "D" for double ended.

-(X)R  
= Retention Latch (TFM-WT option required for mating)

-(X)S  
= Screw Down (Not available in -03, -04 & -50 positions) (Mates with TFM-DS option)

### END 2 OPTION

Requires -D, -DS, -DR (End 1 Notch Up)

-NUS  
= Notch up, straight (Pin 1 to Pin N-1)

-NDS  
= Notch down, straight (Pin 1 to Pin 2)

-NUX  
= Notch up, crossed (Pin 1 to Pin N)

-NDX  
= Notch down, crossed (Pin 1 to Pin 1)

### Note:

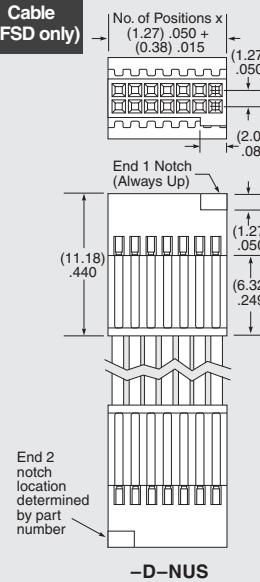
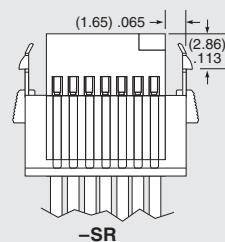
Teflon® cable is intended for crimp only. Contact Samtec for solderable cable applicators.

## ALSO AVAILABLE (MOQ Required)

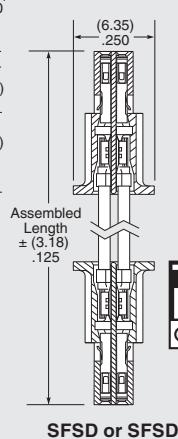
- Other sizes
  - Locking feature for mating to the TFM Series
  - Color coded cable (\*Teflon® N/A)
  - Other plating options
- Contact Samtec.

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

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



-D-NUS



SFSD or SFSDT

