

**TIGER  
EYE**  
DISCRETE

(1.27 mm) .050"

SFSS, SFSST SERIES

# TIGER EYE™ DISCRETE CABLE ASSEMBLY

## SPECIFICATIONS

For complete specifications see [www.samtec.com?SFSS](http://www.samtec.com?SFSS) or [www.samtec.com?SFSST](http://www.samtec.com?SFSST)

### Insulator Material:

Black LCP

### Contact Material:

BeCu

### Plating:

Au over 50 μ" (1.27 μm) Ni

### Operating Temp Range:

-10 °C to +80 °C (PVC)

-40 °C to +125 °C (\*Teflon®)

### Current Rating:

2.9 A per pin (2 pins powered)

### 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

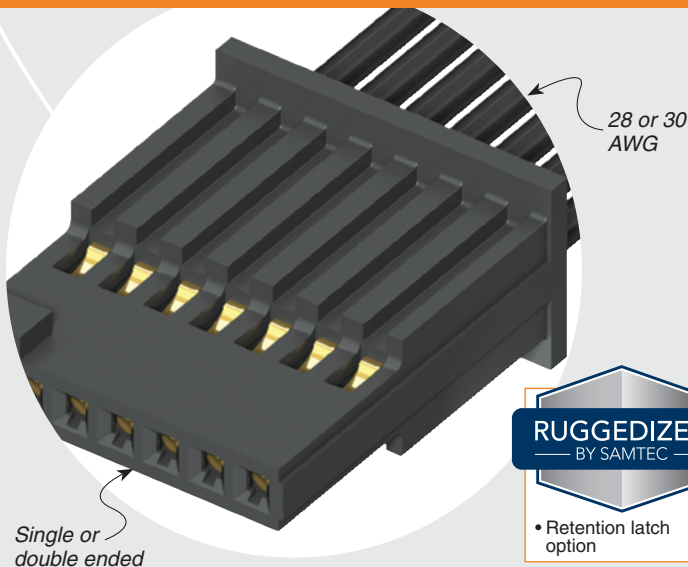
-WT option)

## -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 |



**RUGGEDIZED**  
BY SAMTEC

• Retention latch option

## RECOGNITIONS

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



## COMPONENTS

- For body, see [www.samtec.com?ISDF](http://www.samtec.com?ISDF)
- For contacts, see [www.samtec.com?CC03R](http://www.samtec.com?CC03R) or [www.samtec.com?CC03M](http://www.samtec.com?CC03M)

## 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 |

### Notes:

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

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

## TYPE STRIP

**SFSS**  
= Single Row  
PVC Cable

**SFSST**  
= Single Row  
\*Teflon® Cable

## POSITIONS PER ROW

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

## WIRE GAUGE

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

## PLATING OPTION

-G  
= 10 μ" (0.25 μm)  
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

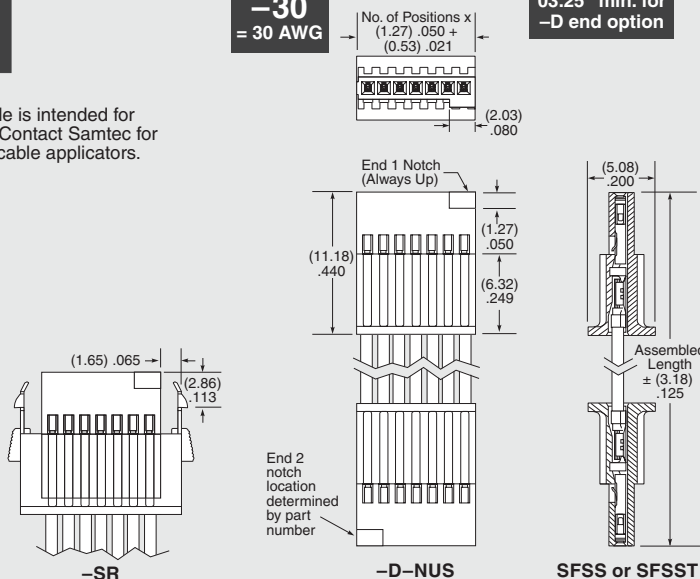
-S  
= Single Ended  
-D  
= Double Ended  
-SR  
= Single Ended Retention Latch (TFM -WT option required for mating)  
-DR  
= Double Ended Retention Latch (TFM -WT option required for mating)

## END 2 OPTION

Requires -D or -DR (End 1 Notch Up)  
-NUS  
= Notch up, straight (Pin 1 to Pin N)  
-NDS  
= Notch down, straight (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

Due to technical progress, all designs, specifications and components are subject to change without notice.

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

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.