

**TIGER
EYE**
DISCRETE

(1.27 mm) .050"

SFSS, SFSST SERIES

TIGER EYE™ DISCRETE CABLE ASSEMBLY

SPECIFICATIONS

For complete specifications see www.samtec.com?SFSS or 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



COMPONENTS

- For body, see www.samtec.com?ISDF
- For contacts, see www.samtec.com?CC03R or 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

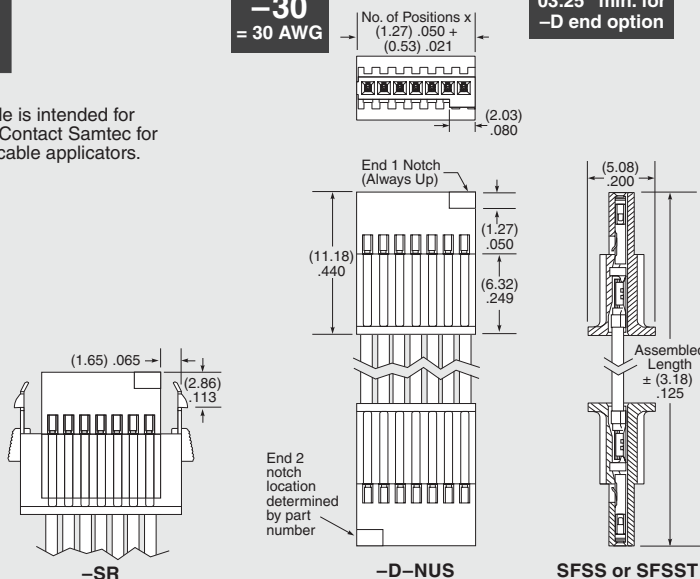
END OPTION

-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

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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Samtec:

[SFSS-05-28C-H-03.00-S](#) [SFSS-06-28C-H-10.00-SR](#) [SFSS-04-28C-G-05.00-D-NDS](#) [SFSS-05-28-H-05.00-S](#) [SFSS-03-28C-G-04.00-DR-NUS](#) [SFSS-02-28-G-03.00-S](#) [SFSS-07-28C-G-03.26-D-NDS](#) [SFSS-07-28-H-06.00-D-NUS](#) [SFSS-15-28-H-05.00-D-NDS](#) [SFSS-25-28-G-03.25-DR-NDS](#) [SFSS-30-28-G-06.00-S](#) [SFSS-30-30-G-60.00-S](#) [SFSS-05-30-G-06.00-SR](#) [SFSS-05-30-G-08.00-SR](#) [SFSS-05-30-G-10.00-SR](#) [SFSS-05-30-G-24.00-D-NUS](#) [SFSS-07-28-G-04.00-DR-NUS](#) [SFSS-07-28-G-07.00-D-NDS](#) [SFSS-07-30-G-03.25-DR-NUS](#) [SFSS-07-30-G-20.00-S](#) [SFSS-08-28-G-10.00-S](#) [SFSS-10-28-G-04.00-S](#) [SFSS-10-28-G-06.00-D-NDS](#) [SFSS-10-28-G-10.00-D-NDS](#) [SFSS-10-28-G-15.00-DR-NDS](#) [SFSS-10-28-G-19.00-D-NDS](#) [SFSS-10-28-H-04.50-SR](#) [SFSS-10-28-H-06.00-S](#) [SFSS-10-30-G-04.00-D-NDS](#) [SFSS-14-30-G-04.00-D-NDS](#) [SFSS-15-28-G-03.50-DR-NDS](#) [SFSS-15-28-G-10.00-S](#) [SFSS-25-30-G-08.00-D-NDS](#) [SFSS-30-28-G-07.87-S](#) [SFSS-30-28-H-11.80-S](#) [SFSS-30-28-H-24.00-S](#) [SFSS-03-28-G-12.00-S](#) [SFSS-05-28-G-04.00-DR-NUS](#) [SFSS-05-28-G-07.00-S](#) [SFSS-05-28-G-78.00-SR](#) [SFSS-05-30-G-03.00-S](#) [SFSS-06-28-G-12.00-SR](#) [SFSS-07-30-G-06.00-S](#) [SFSS-08-30-G-18.00-D-NUS](#) [SFSS-09-28-G-06.88-D-NUS](#) [SFSS-10-28C-G-03.00-SR](#) [SFSS-10-28C-G-20.00-DR-NDS](#) [SFSS-10-28-G-05.00-D-NDS](#) [SFSS-10-28-G-05.00-S](#) [SFSS-10-28-G-05.50-D-NDS](#) [SFSS-10-28-G-10.00-DR-NDS](#) [SFSS-10-28-H-04.00-D-NDS](#) [SFSS-10-30-G-06.00-S](#) [SFSS-15-28-G-06.00-D-NDS](#) [SFSS-15-28-G-06.00-S](#) [SFSS-15-28-G-06.00-SR](#) [SFSS-20-28C-G-18.00-DR-NDS](#) [SFSS-20-30-G-04.00-D-NDS](#) [SFSS-20-30-H-03.25-DR-NUS](#) [SFSS-05-28-G-24.00-S](#) [SFSS-05-28-H-06.00-D-NUS](#) [SFSS-05-30-G-04.00-DR-NUS](#) [SFSS-05-30-G-30.00-DR-NUS](#) [SFSS-06-30-G-05.00-S](#) [SFSS-07-28C-G-18.00-SR](#) [SFSS-07-28-G-04.00-SR](#) [SFSS-07-28-G-11.00-DR-NDS](#) [SFSS-07-28-G-12.00-D-NUS](#) [SFSS-07-30-G-78.74-D-NDS](#) [SFSS-10-28-G-03.00-S](#) [SFSS-10-28-G-05.90-S](#) [SFSS-10-28-G-20.00-S](#) [SFSS-10-30-G-04.00-S](#) [SFSS-10-30-G-08.00-SR](#) [SFSS-10-30-H-15.00-S](#) [SFSS-20-28C-G-03.00-SR](#) [SFSS-20-28-G-05.00-S](#) [SFSS-20-28-G-06.00-D-NUS](#) [SFSS-50-28-G-03.00-S](#) [SFSS-05-30-H-06.00-S](#) [SFSS-07-28-G-04.00-S](#) [SFSS-07-28-G-05.00-S](#) [SFSS-07-28-G-06.00-DR-NUS](#) [SFSS-07-28-G-24.00-D-NUS](#) [SFSS-08-28-G-15.75-SR](#) [SFSS-08-28-H-06.00-S](#) [SFSS-10-28-G-03.00-SR](#) [SFSS-10-28-G-10.00-D-NUS](#) [SFSS-10-28-G-12.00-SR](#) [SFSS-10-28-G-14.00-DR-NDS](#) [SFSS-10-28-G-19.00-D-NUS](#) [SFSS-15-28-G-04.00-S](#) [SFSS-15-28-G-10.00-D-NDS](#) [SFSS-15-30C-G-20.00-S](#) [SFSS-15-30-G-10.00-D-NUS](#) [SFSS-20-28-G-39.50-S](#) [SFSS-30-28-G-39.50-S](#) [SFSS-45-30-G-04.00-D-NDS](#) [SFSS-05-30-G-05.00-SR](#) [SFSS-05-30-G-12.00-S](#)