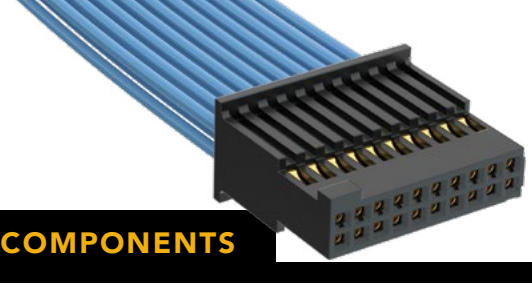
# THE DATASHEET OF

# SFSD-07-28C-G-24.00-DR-NUS

TIGER™ EYE SYSTEM



# (1.27 mm) .050" PITCH • DISCRETE WIRE ASSEMBLY/COMPONENTS

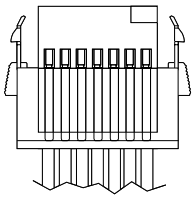
| SERIES | POSITIONS PER ROW | WIRE GAUGE | PLATING OPTION | ASSEMBLED LENGTH | END OPTION | END 2 OPTION |
|---|---|---|---|---|---|---|
| **SFSD** = Double Row PVC Cable<br>**SFSDT** = Double Row Blue *Teflon™ Fluoropolymer Cable | **–03, –04, –05, –07, –10, –15, –20, –25, –40, –50** (Standard sizes) | **–28** = 28 AWG<br>**–28C** = Color Coded Cable (SFSD only)<br>**–30** = 30 AWG | **–G** = 10 µ" (0.25 µm) Gold on contact, Gold Flash on balance | **–"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 | **–S** = Single Ended<br>**–D** = Double Ended For –(X) specify "S" for single ended and "D" for double ended.<br>**–(X)R** = Retention Latch (TFM-WT option required for mating)<br>**–(X)S** = Screw Down (Not available in -03, -04 & -50 positions) (Mates with TFM-DS option) | Requires –D, –DS, –DR (End 1 Notch Up)<br>**–NUS** = Notch up, straight (Pin 1 to Pin N-1)<br>**–NDS** = Notch down, straight (Pin 1 to Pin 2)<br>**–NUX** = Notch up, crossed (Pin 1 to Pin N)<br>**–NDX** = Notch down, crossed (Pin 1 to Pin 1) |

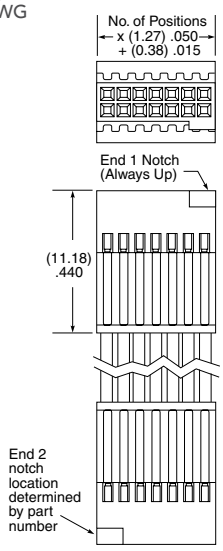
**SFSD(T)**
**Board Mates:**
TFM, TFML, TFC (–SR & –DR requires –WT option)

| –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 |

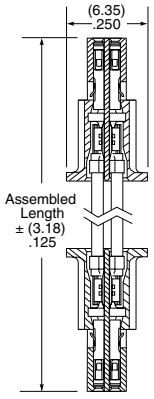
## SPECIFICATIONS

**Insulator Material:**
Black LCP
**Contact Material:**
BeCu
**Plating:**
Au over 50 µ" (1.27 µm) Ni
**Current Rating:**
2.9 A per pin
(2 pins powered)
**Operating Temp Range:**
-10 °C to +80 °C (PVC)
-40 °C to +125 °C (*Teflon™ Fluoropolymer)
**Voltage Rating:**
280 VAC (PVC)
313 VAC (*Teflon™ Fluoropolymer)
**Wire:**
28 or 30 AWG


-SR



-D-NUS



SFSD OR SFSDT

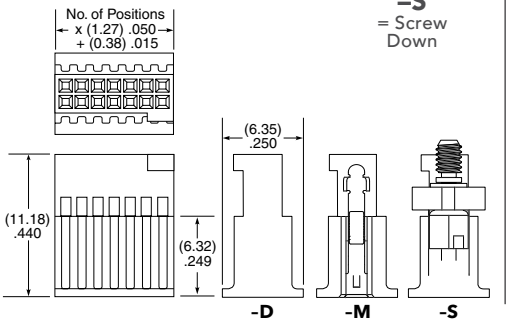
View complete specifications at: **samtec.com?SFSD** & **samtec.com?SFSDT**

*Teflon™ is a trademark of The Chemours Company FC, LLC used under license by Samtec.

**Notes:**
Teflon™ Fluoropolymer cable is intended for crimp only. Contact Samtec for solderable cable applications.

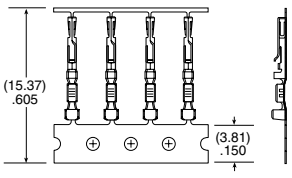
For wiring option information refer to drawings on web.

| ISDF | POSITIONS PER ROW | ROW OPTION | OPTION |
|---|---|---|---|
| | **–03, –04, –05, –07, –10, –15, –20, –25, –40, –50** (Standard sizes) | **–D** = Double Row | **–M** = Metal Retention Latch<br>**–S** = Screw Down |



-D -M -S

| SERIES | WIRE GAUGE | 01 | PLATING |
|---|---|---|---|
| **CC03R** = Contact, Full Reel (35,000 Parts per Reel)<br>**CC03M** = Contact, Mini Reel (1,000 - 5,000 Parts per Reel) | **–2830** = 28 to 30 AWG | | **–GF** = Gold flash contact<br>**–G** = 10 µ" (0.25 µm) Gold on contact |




## TOOLING

| | |
|---|---|
| Hand Tool: CAT-HT-203-2830-12 | Mini Applicator: CAT-MC-203-2830-XX-01 |
| Clamp for mounting hand tool: CAT-HT-MNT-01 | Extraction Tool: CAT-EX-169-01 |

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

View complete specifications at: **samtec.com?ISDF**, **samtec.com?CC03R** & **samtec.com?CC03M**



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.

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- View SFSD-07-28C-G-24.00-DR-NUS on WIN SOURCE
- Samtec Inc. Information

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