

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

SERIES	POSITIONS PER ROW	WIRE GAUGE	PLATING OPTION	ASSEMBLED LENGTH	END OPTION	END 2 OPTION
SFSS = Single Row PVC Cable	-03, -04, -05, -07, -10, -15, -20, -25, -40, -50 (Standard sizes)	-28 = 28 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	Requires -D or -DR (End 1 Notch Up)
SFSST = Single Row Blue *Teflon® Cable		-28C = Color Coded Cable (SFSS only)			-D = Double Ended	-NUS = Notch up, straight (Pin 1 to Pin N)
		-30 = 30 AWG			-SR = Single Ended Retention Latch (TFM-WT option required for mating)	-NDS = Notch down, straight (Pin 1 to Pin 1)
					-DR = Double Ended Retention Latch (TFM-WT option required for mating)	

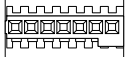
SFSS(T)
Board Mates:
TFM, TFC
(-SR & -DR requires -WT option)

SPECIFICATIONS

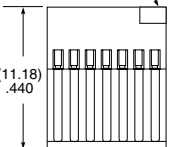
Insulator Material:
Black LCP
Contact Material:
BeCu
Plating:
Au over 50 μ" (1.27 μm) Ni
Current Rating:
2.9 A per pin (2 pins powered)
Operating Temp Range:
-10 °C to +80 °C (PVC)
-40 °C to +125 °C (*Teflon®)
Voltage Rating:
275 VAC (PVC)
235 VAC (*Teflon®)
Wire:
28 or 30 AWG

-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

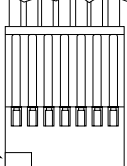
No. of Positions
x (1.27) .050
+ (0.53) .021



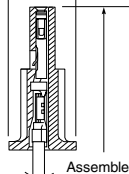
End 1 Notch
(Always Up)



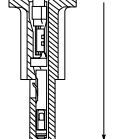
End 2 notch location
determined by part number



(5.08)
.200



Assembled Length
± (3.18)
.125



-SR

-D-NUS

SFSS OR SFSST

*DuPont™ Teflon® is a registered trademark of the E.I. du Pont de Nemours and Company or its affiliates.

Notes:
Teflon® cable is intended for crimp only. Contact Samtec for solderable cable applications.

For wiring option information refer to drawings on web.

View complete specifications at: samtec.com?SFSS & samtec.com?SFSST

ISDF	POSITIONS PER ROW	ROW OPTION	OPTION	SERIES	WIRE GAUGE	01	PLATING
	-03, -04, -05, -07, -10, -15, -20, -25, -40, -50 (Standard sizes)	-S = Single Row	-M = Metal Retention Latch	CC03R = Contact, Full Reel (35,000 Parts per Reel) CC03M = Contact, Mini Reel (1,000 - 5,000 Parts per Reel)	-2830 = 28 to 30 AWG		-GF = Gold flash contact -G = 10 μ" (0.25 μm) Gold on contact
-S -M							

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

(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 SFSDT = Double Row Blue *Teflon® Cable	-03, -04, -05, -07, -10, -15, -20, -25, -40, -50 (Standard sizes)	-28 = 28 AWG -28C = Color Coded Cable (SFSD only) -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 -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)	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) -NUS = Notch up, crossed (Pin 1 to Pin N) -NDX = Notch down, crossed (Pin 1 to Pin 1)																										
SFSD(T) Board Mates: TFM, TFC (-SR & -DR requires -WT option) 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®) Voltage Rating: 275 VAC (PVC) 235 VAC (*Teflon®) Wire: 28 or 30 AWG <table><tr><th colspan="2">-28C CABLE COLOR CODING</th></tr><tr><th>PIN</th><th>COLOR</th></tr><tr><td>1</td><td>BROWN</td></tr><tr><td>2</td><td>RED</td></tr><tr><td>3</td><td>ORANGE</td></tr><tr><td>4</td><td>YELLOW</td></tr><tr><td>5</td><td>GREEN</td></tr><tr><td>6</td><td>VIOLET</td></tr><tr><td>7</td><td>GRAY</td></tr><tr><td>8</td><td>WHITE</td></tr><tr><td>9</td><td>BLACK</td></tr><tr><td>10</td><td>BLUE</td></tr><tr><td>ETC</td><td>REPEAT</td></tr></table> No. of Positions x (1.27) .050 + (0.38) .015 End 1 Notch (Always Up) End 2 notch location determined by part number -SR -D-NUS SFSD OR SFSDT *DuPont™ Teflon® is a registered trademark of the E.I. du Pont de Nemours and Company or its affiliates. Notes: Teflon® cable is intended for crimp only. Contact Samtec for solderable cable applications. For wiring option information refer to drawings on web.							-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
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View complete specifications at: samtec.com?SFSD & samtec.com?SFSDT

ISDF	POSITIONS PER ROW	ROW OPTION	OPTION	SERIES	WIRE GAUGE	01	PLATING
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No. of Positions x (1.27) .050 + (0.38) .015 -D -M -S							

TOOLING

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

Mouser Electronics

Authorized Distributor

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[Samtec:](#)

[CC03M-2830-01-G](#) [CC03R-2830-01-H](#) [CC03R-2830-01-GF](#) [CC03R-2830-01-G](#) [CC03M-2830-01-GF](#) [CC03M-2830-01-H](#)