

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

SERIES	POSITIONS PER ROW	WIRE GAUGE	PLATING OPTION	ASSEMBLED LENGTH	END OPTION	END 2 OPTION																										
<b>SFSD</b> = Double Row PVC Cable	<b>-03, -04, -05, -07, -10, -15, -20, -25, -40, -50</b> (Standard sizes)	<b>-28</b> = 28 AWG	<b>-G</b> = 10 μm (0.25 μm) Gold on contact, Gold Flash on balance	<b>-"XX.XX"</b> = Assembled Length in Inches (76.20 mm) 03.00" min. for -S end option (82.60 mm) 03.25" min. for -D end option	<b>-S</b> = Single Ended	Requires -D, -DS, -DR (End 1 Notch Up)																										
<b>SFSDT</b> = Double Row Blue *Teflon™ Fluoropolymer Cable		<b>-28C</b> = Color Coded Cable (SFSD only)			<b>-D</b> = Double Ended For -(X) specify "S" for single ended and "D" for double ended.	<b>-NUS</b> = Notch up, straight (Pin 1 to Pin N-1)																										
		<b>-30</b> = 30 AWG			<b>-(X)R</b> = Retention Latch (TFM-WT option required for mating)	<b>-NDS</b> = Notch down, straight (Pin 1 to Pin 2)																										
					<b>-(X)S</b> = Screw Down (Not available in -03, -04 & -50 positions) (Mates with TFM-DS option)	<b>-NUS</b> = Notch up, crossed (Pin 1 to Pin N)																										
						<b>-NDX</b> = Notch down, crossed (Pin 1 to Pin 1)																										
<b>SFSD(T)</b> <b>Board Mates:</b> TFM, TFML, TFC (-SR & -DR requires -WT option)																																
<b>SPECIFICATIONS</b>																																
<b>Insulator Material:</b> Black LCP																																
<b>Contact Material:</b> BeCu																																
<b>Plating:</b> Au over 50 μ" (1.27 μm) Ni																																
<b>Operating Temp Range:</b> -10 °C to +80 °C (PVC) -40 °C to +125 °C (*Teflon™ Fluoropolymer)																																
<b>Current Rating:</b> 2.9 A per pin (2 pins powered)																																
<b>Voltage Rating:</b> 275 VAC/389 VDC																																
<b>Wire:</b> 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>							-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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<p>*Teflon™ is a trademark of The Chemours Company FC, LLC used under license by Samtec.</p> <p><b>Notes:</b> Teflon™ Fluoropolymer cable is intended for crimp only. Contact Samtec for solderable cable applications.</p> <p>For wiring option information refer to drawings on web.</p>																																

View complete specifications at: [samtec.com?SFSD](http://samtec.com?SFSD) & [samtec.com?SFSDT](http://samtec.com?SFSDT)

ISDF	POSITIONS PER ROW	ROW OPTION	OPTION	SERIES	WIRE GAUGE	01	PLATING
	<b>-03, -04, -05, -07, -10, -15, -20, -25, -40, -50</b> (Standard sizes)	<b>-D</b> = Double Row	<b>-M</b> = Metal Retention Latch  <b>-S</b> = Screw Down	<b>CC03R</b> = Contact, Full Reel (35,000 Parts per Reel)  <b>CC03M</b> = Contact, Mini Reel (1,000 - 5,000 Parts per Reel)	<b>-2830</b> = 28 to 30 AWG		<b>-GF</b> = Gold flash contact  <b>-G</b> = 10 μm (0.25 μm) Gold on contact
<div> <p>No. of Positions x (1.27) .050 + (0.38) .015</p> <p><b>-D</b>      <b>-M</b>      <b>-S</b></p> </div> <div> </div>							

**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](http://samtec.com?ISDF), [samtec.com?CC03R](http://samtec.com?CC03R) & [samtec.com?CC03M](http://samtec.com?CC03M)

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