

(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™ Fluoropolymer 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 μm (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) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div>SFSD(T) Board Mates: TFM, TFML, TFC (-SR & -DR requires -WT option)</div> <div>SPECIFICATIONS Insulator Material: Black LCP Contact Material: BeCu Plating: Au over 50 μm (1.27 μm) Ni Operating Temp Range: -10 °C to +80 °C (PVC) -40 °C to +125 °C (*Teflon™ Fluoropolymer) Current Rating: 2.9 A per pin (2 pins powered) Voltage Rating: 275 VAC/389 VDC Wire: 28 or 30 AWG</div> <div><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><div><p>End 1 Notch (Always Up)</p><p>End 2 notch location determined by part number</p></div></div> <div><p>SFSD OR SFSDT</p></div> <div><p>*Teflon™ is a trademark of The Chemours Company FC, LLC used under license by Samtec.</p><p>Notes: 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></div> | | | | | | | -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 |
| -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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

| ISDF | POSITIONS PER ROW | ROW OPTION | OPTION | SERIES | WIRE GAUGE | 01 | PLATING |
|--|---|---------------------------|---|---|--------------------------------|----|--|
| | -03, -04, -05, -07, -10, -15, -20, -25, -40, -50 (Standard sizes) | -D = Double Row | -M = Metal Retention Latch -S = Screw Down | 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 μm (0.25 μm) Gold on contact |
| <div> <p>-D</p> </div> <div> <p>-M</p> </div> <div> <p>-S</p> </div> <div> <p>CC03R</p> </div> <div> <p>CC03M</p> </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, samtec.com?CC03R & samtec.com?CC03M

Mouser Electronics

Authorized Distributor

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