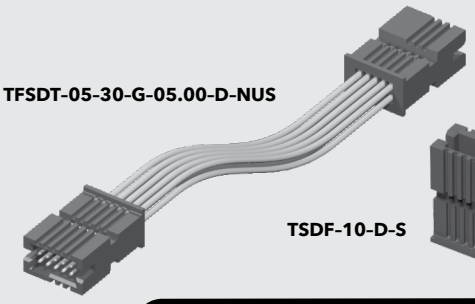
samtec

TIGER™ EYE DISCRETE



(1.27 mm) .050"

TFSD, TFSDT, TSDF, T1M44-R, T1M44-M SERIES

DISCRETE WIRE COMPONENTS & TOOLING

Mates with:
SFM, SFC (–TR requires TFM–WT option), SFML (–XL end option required)

SPECIFICATIONS

For complete specifications see www.samtec.com?TFSD or www.samtec.com?TFSDT

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™ Fluoropolymer)
Current Rating:
2.9 A per pin
(2 pins powered)
Voltage Rating:
275 VAC/389 VDC
Wire:
28 or 30 AWG
RoHS Compliant:
Yes

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

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality

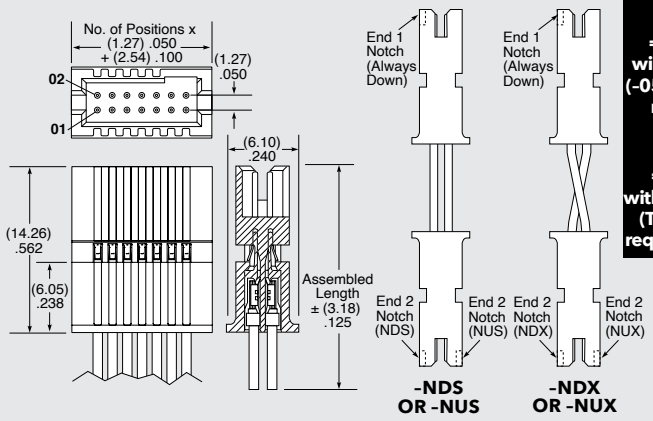
FILE NO. E111594

TYPE STRIP	POSITIONS PER ROW	WIRE GAUGE	PLATING OPTION	ASSEMBLED LENGTH	END OPTION	END 2 OPTION
TFSD = Double Row PVC Cable **TFSDT** = Double Row Blue *Teflon™ Fluoro-polymer Cable	-03, -04, -05, -07, -10, -15, -20, -25, -40, -50 (Standard sizes)	–30 = 30 AWG –28 = 28 AWG	–G = 10 µ" (0.25 µm) Gold on contact	–"XX.XX" = Assembled Length in Inches (76.20 mm) 03.00" min. for –S end option (82.60 mm) 03.25" min. for –D, –T, –TF, & –TR end option	–S = Single Ended –D = Double Ended –T = Transfer End Terminal on End 1 Socket on End 2 –TF = Transfer End with Friction Lock (-05 & -07 positions not available.) –TR = Transfer End with Retention Latch (TFM -WT option required for mating)	Requires -D, -TF or -TR (End 1 Notch Down). –NUS = Notch up, straight –NDS = Notch down, straight –NUX = Notch up, crossed –NDX = Notch down, crossed

Notes:
For wiring option and pin position location information, refer to drawings on web.

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

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



SPECIFICATIONS

For complete specifications see www.samtec.com?TSDF, www.samtec.com?T1M44-R or www.samtec.com?T1M44-M

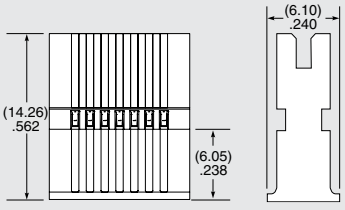
Insulator Material:
Black LCP
Contact Material:
BeCu

TOOLING

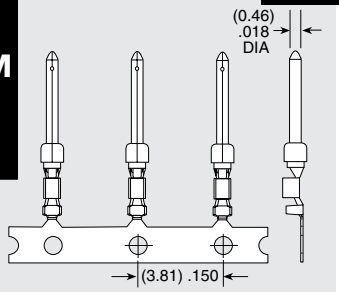
- Hand Tool: CAT-HT-144-2830-12
- Mini Applicator CAT-MC-144-2830-XX-01
- Extraction Tool: CAT-EX-169-01

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

TYPE	POSITIONS PER ROW	ROW OPTION	S
TSDF = Housing	-03, -04, -05, -07, -10, -15, -20, -25, -40, -50 (Standard sizes)	–D = Double Row	



TYPE	WIRE GAUGE	01	PLATING
T1M44–R = Terminal, Full Reel (35,000 parts per Reel) **T1M44–M** = Terminal, Mini Reel (5,000 parts per Reel)	–2830 = 28 to 30 AWG		–G = 10 µ" (0.25 µm) Gold on contact



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.