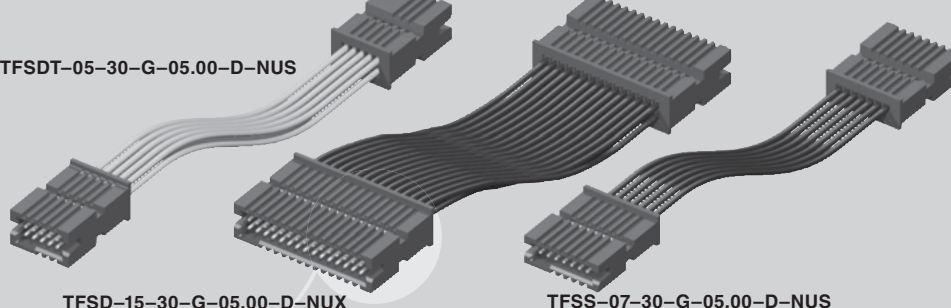




(1,27 mm) .050"

TFSDT-05-30-G-05.00-D-NUS



TFSD-15-30-G-05.00-D-NUX

TFSS-07-30-G-05.00-D-NUS

TFSS, TFSST, TFSD, TFSDT SERIES

TIGER EYE™ DISCRETE CABLE ASSEMBLY

SPECIFICATIONS

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

Insulator Material:

Black LCP

Contact Material:

BeCu

Plating:

Au over 50μ" (1,27 μm) Ni

Operating Temp Range:
-10°C to +80°C (RVC)

-40°C to +125°C (*Teflon)

Wire:

28 or 30 AWG

RoHS Compliant:

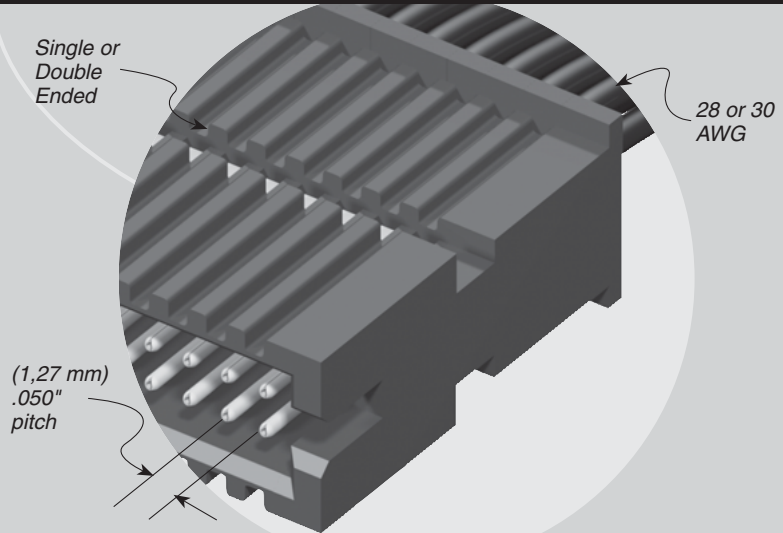
Yes

RECOGNITIONS

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



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



TYPE STRIP	POSITIONS PER ROW	WIRE GAUGE	PLATING OPTION	ASSEMBLED LENGTH	END OPTION	END 2 OPTION
TFSS = Single Row PVC Cable	-03, -04, -05, -07, -10, -15, -20, -25, -40, -50 (Standard sizes)	-30 = 30 AWG -28 = 28 AWG	-G = 10μ" (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 end option	-S = Single Ended -D = Double Ended -T = Transfer End Terminal on End 1 Socket on End 2 (See chart for End 2 option)	Requires -D, -TF or -TR (End 1 Notch Down). -NUS = Notch up, straight (Pin 1 to Pin 2) -NDS = Notch down, straight (Pin 1 to Pin N-1) -NUX = Notch up, crossed (Pin 1 to Pin 1) (TFSD/TFSDT only) -NDX = Notch down, crossed (Pin 1 to Pin N) (TFSD/TFSDT only)
TFSST = Single Row *Teflon® Cable						
TFSD = Double Row PVC Cable						
TFSDT = Double Row *Teflon® Cable						

END 2	END OPTION
T-NUS	Pin 1 to Pin N
T-NDS	Pin 1 to Pin 1
T-NUX	Pin 1 and Pin N-1
T-NDX	Pin 1 to Pin 2

The diagram shows four main cable assembly types with their respective dimensions:

- TFSD (Double Row PVC Cable):** Dimensions include (6.10) .240 for pin pitch, (14.26) .562 for overall width, and Assembled Length ±(3.18) .125.
- TFSS (Single Row PVC Cable):** Dimensions include No. of Positions x ((1.27) .050 + (2.54) .100), (1.27) .050 for pin pitch, (4.83) .190 for overall width, and Assembled Length ±(3.18) .125.
- TFSST (Single Row Teflon Cable):** Similar dimensions to TFSS but with different material properties.
- TFSDT (Double Row Teflon Cable):** Similar dimensions to TFSD but with different material properties.

End options are illustrated as follows:

- S (Single Ended):** Straight termination.
- D (Double Ended):** Termination at both ends.
- T (Transfer End):** Termination on End 1, socket on End 2.
- NUS (-NDS, -NUX, -NDX):** Various notch configurations for mating.

Due to technical progress, all designs, specifications and components are subject to change without notice

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