



**TIGER
EYE™**
DISCRETE

SFM-120-03-L-D

TSDF-10-D-S

SFM-110-02-L-D

T1M44-L-2830-01-G

(1.27 mm) .050"

TSDF, T1M44-L, T1M44-R, SFM SERIES

DISCRETE WIRE COMPONENTS & TOOLING

SPECIFICATIONS

Insulator Material:
Black LCP
Terminal Material:
BeCu

TOOLING

- Hand Tool:
CAT-HT-203-2832-11
- 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	TYPE	WIRE GAUGE	01	PLATING
TSDF = Housing	-03, -04, -05, -07, -10, -15, -20, -25, -40, -50 (Standard sizes)	-D = Double Row		T1M44-L = Contact, Loose T1M44-R = Contact, Full Reel (35,000 Parts per Reel)	-2830 = 28 to 30 AWG		-G = 10 μ" (0.25 μm) Gold on contact

Mates with:
TFSD

SPECIFICATIONS

Insulator Material:
Black Liquid Crystal Polymer
Plating:
Au or Sn over
50 μ" (1.27 μm) Ni
Voltage Rating:
250 VAC mated with TFM
Operating Temp Range:
-55 °C to +125 °C
RoHS Compliant:
Yes

PROCESSING

Lead-Free Solderable:
Yes
SMT Lead Coplanarity:
(0.10 mm) .004" max (05-25)
(0.15 mm) .006" max (30-50)

RECOGNITIONS



SFM	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION
		03, 04, 05, 07, 10, 15, 20, 25, 40, 50	-01, -03 = Through-hole Tiger Eye™ Contact (BeCu) -02 = Surface Mount Tiger Eye™ Contact (BeCu)	-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail	-D = Double Row

LEAD STYLE	A	B
-01	(3.05) .120	(0.51) .020
-03	(1.91) .075	(0.41) .016

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

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All parts within this catalog are built to Samtec's specifications.
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.