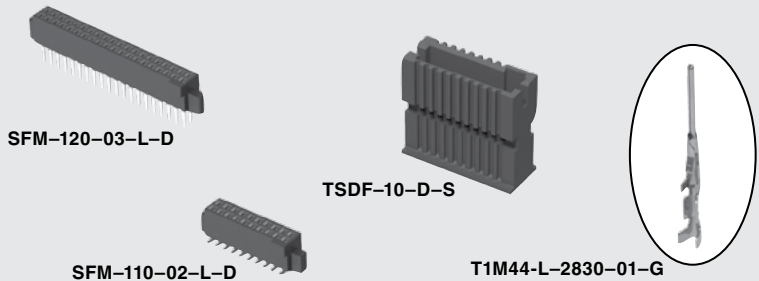




**TIGER EYE™**  
DISCRETE



(1.27 mm) .050"

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

# DISCRETE WIRE COMPONENTS & TOOLING

## SPECIFICATIONS

For complete specifications see [www.samtec.com?TSDF](http://www.samtec.com?TSDF), [www.samtec.com?T1M44-L](http://www.samtec.com?T1M44-L) or [www.samtec.com?T1M44-R](http://www.samtec.com?T1M44-R)

## 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
<b>TSDF</b> = Housing	<b>-03, -04, -05, -07, -10, -15, -20, -25, -40, -50</b> (Standard sizes)	<b>-D</b> = Double Row		<b>T1M44-L</b> = Contact, Loose	<b>-2830</b> = 28 to 30 AWG		<b>-G</b> = 10 μm (0.25 μm) Gold on contact
				<b>T1M44-R</b> = Contact, Full Reel (35,000 Parts per Reel)			

**Mates with:**  
TFSD

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?SFM](http://www.samtec.com?SFM)

**Insulator Material:**  
Black Liquid Crystal Polymer  
**Plating:** Au or Sn over 50 μm (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)\*  
\*(.004" stencil solution may be available; contact IPG@samtec.com)

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



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

• Many other options available. See SFM, SFML, SFC Series on website or contact Samtec.		
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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.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

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.