

(2.00 mm) .0787"

TLE SERIES

# COST-EFFECTIVE RELIABLE SOCKET

## SPECIFICATIONS

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

**Insulator Material:**

Black Liquid Crystal Polymer

**Contact Material:**

Phosphor Bronze

**Plating:**

Au over 50 μ" (1.27 μm) Ni

**Current Rating (TLE/TMMH):**

3.2 A per pin  
(2 pins powered)

**Operating Temp Range:**

-55 °C to +125 °C

**Insertion Depth:**

(2.08 mm) .082" to (4.37 mm) .172" with (0.38 mm) .015" wiper, pass-through, or (3.35 mm) .132" min for bottom entry

**RoHS Compliant:**

Yes

**Mates with:**

TMMH, TMM, MTMM, MMT, TW, LTMM, ZLTMM, TCMD, TSH



Tiger Beam™ contacts

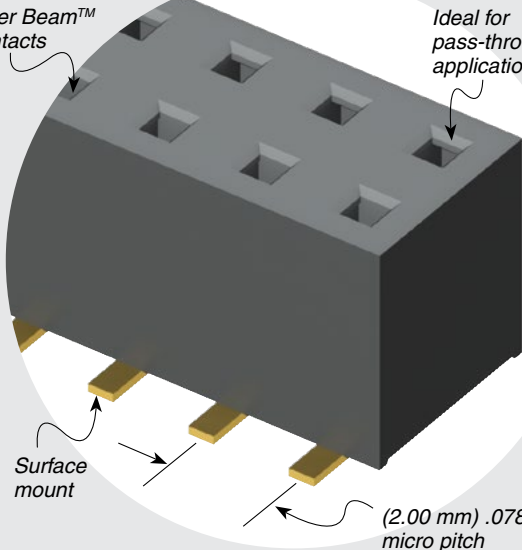
Ideal for pass-through applications

Available with optional pick & place pads

**HIGH-SPEED CHANNEL PERFORMANCE**

Rating based on Samtec reference channel. For full SI performance data visit [Samtec.com](http://Samtec.com) or contact [SIG@samtec.com](mailto:SIG@samtec.com)

**8**  
Gbps



## PROCESSING

**Lead-Free Solderable:**

Yes

**SMT Lead Coplanarity:**

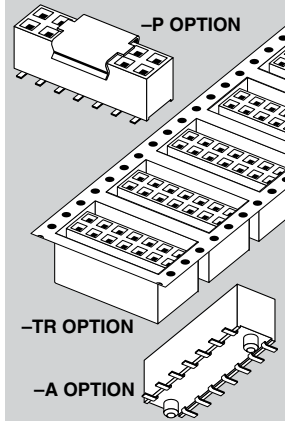
(0.10 mm) .004" max (02-26)  
(0.15 mm) .006" max (27-50)\*  
\*(.004" stencil solution may be available; contact [IPG@samtec.com](mailto:IPG@samtec.com))

## RECOGNITIONS

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



## OPTIONS



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

<b>TLE</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>01</b>	<b>PLATING OPTION</b>	<b>DV</b>	<b>OPTION</b>
<b>02 thru 50</b>			<b>-G</b> = 10 μ" (0.25 μm) Gold		<p><b>-A</b> = Alignment Pin (3 positions minimum)</p> <p><b>-K</b> = (5.00 mm) .197" DIA Polyimide Film Pick &amp; Place Pad (3 positions minimum)</p> <p><b>-P</b> = Metal Pick &amp; Place Pad (4 positions minimum)</p> <p><b>-TR</b> = Tape &amp; Reel (2-37 positions only)</p> <p><b>-FR</b> = Full Reel Tape &amp; Reel (must order maximum quantity per reel; contact Samtec for quantity breaks) (2-37 positions only)</p>	

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.

# Mouser Electronics

Authorized Distributor

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## Samtec:

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