

(2.00 mm) .0787"

TLE SERIES

COST-EFFECTIVE RELIABLE SOCKET

SPECIFICATIONS

For complete specifications and recommended PCB layouts see 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 or contact SIG@samtec.com

8 Gbps

Surface mount

(2.00 mm) .0787" micro pitch

PROCESSING

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

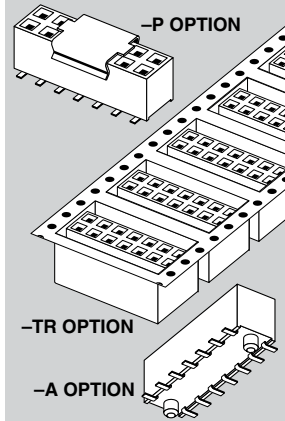
(0.10 mm) .004" max (02-26)
(0.15 mm) .006" max (27-50)*
*(.004" stencil solution may be available; contact IPG@samtec.com)

RECOGNITIONS

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



OPTIONS



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

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

Technical drawing details:
 - Pin pitch: (2.00) .0787"
 - Contact height: (4.00) .157"
 - Contact width: (0.56) .022"
 - Pin diameter: (0.76) .030"
 - Pin length: (4.32) .170"
 - Pin diameter: (0.64) .025 DIA
 - Pin diameter: (5.51) .217"
 - Pin diameter: (4.50) .177"
 - Pin diameter: (5.08) .200 x (5.71) .225
 - Pin diameter: (4.70) .185"
 - Pin diameter: (0.76) .030"

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

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.

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[TLE-107-01-G-DV-K-TR](#)