

(2.00 mm) .0787"

CLT SERIES

LOW-PROFILE DUAL WIPE SOCKET

SPECIFICATIONS

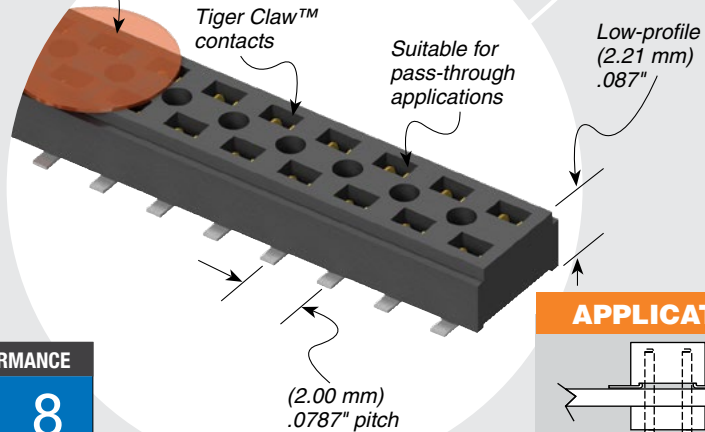
For complete specifications and recommended PCB layouts see www.samtec.com?CLT

Insulator Material: Black Liquid Crystal Polymer
Contact Material: Phosphor Bronze
Plating: Sn or Au over 50 μm (1.27 μm) Ni
Current Rating (TMMH/CLT): 4.1 A per pin (2 pins powered)
Operating Temp Range: -55 °C to +125 °C
Insertion Depth: Top Entry= (1.40 mm) .055" minimum Bottom Entry= (2.57 mm) .101" minimum (add board thickness for correct post OAL)
Max Cycles: 100 with 10 μm (0.25 μm) Au
RoHS Compliant: Yes

Mates with: TMM, TMMH, MTMM, MMT, TW, TSH



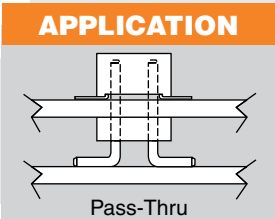
Available with optional Pick & Place Pads



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



PROCESSING

Lead-Free Solderable: Yes
SMT Lead Coplanarity: (0.10 mm) .004" max (02-25) (0.15 mm) .006" max (26-34)* (0.20 mm) .008" max (35-50)*
 *(.004" stencil solution may be available; contact IPG@samtec.com)

RECOGNITIONS

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



ALSO AVAILABLE (MOQ Required)

- Other platings

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

CLT	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	D	OTHER OPTIONS
		02 thru 50	<p>-01 = Through-hole</p> <p>-02 = Surface Mount</p> <p>-03 = Through-hole</p>	<p>-F = Gold flash on contact, Matte Tin on tail</p> <p>-L = 10 μm (0.25 μm) Gold on contact, Matte Tin on tail</p> <p>-G = 10 μm (0.25 μm) Gold on contact, Gold flash on tail</p>		<p>All options require Style -02</p> <p>-BE = Bottom Entry (Required for bottom entry applications)</p> <p>-A = Alignment Pin (3 positions minimum) Metal or plastic at Samtec's discretion</p> <p>-K = (5.00 mm) .197" DIA Polyimide Film Pick & Place Pad (04 thru 50 only)</p> <p>-P = Pick & Place Pad (4 positions minimum) (Not always necessary for auto placement.)</p> <p>-TR = Tape & Reel Packaging (36 positions max)</p> <p>-FR = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks) (36 positions max)</p>

No. of positions x (2.00) .0787

(4.00) .157

(0.51) .020

(2.00) .0787

(0.213) .084

(2.27) .090

(5.16) .203

(3.02) .119

(0.81) .032

(5.08) .200 x (5.71) .225

(0.64) .025 DIA

LEAD STYLE	A
-01	(2.16) .085
-03	(2.95) .116

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.

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