



(2.00 mm) .0787"

CLT-115-02-F-D-A-K-BE

CLT-105-02-F-D

CLT-125-02-L-D

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 μ" (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 μ" (0.25 μm) Au

RoHS Compliant:

Yes

Mates with:

TMM, TMMH, MTMM,
MMT, TW, TSH

TIGER CLAW
CONTACT

Available with optional
Pick & Place Pads

Tiger Claw™ contacts

Suitable for
pass-through
applications

Low-profile
(2.21 mm)
.087"

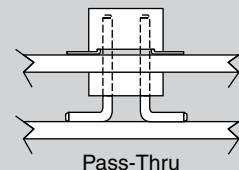
(2.00 mm)
.0787" pitch

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

APPLICATION



Pass-Thru

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	-01 = Through-hole -02 = Surface Mount -03 = Through-hole	-F = Gold flash on contact, Matte Tin on tail -L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail -G = 10 μ" (0.25 μm) Gold on contact, Gold flash on tail		All options require Style -02 -BE = Bottom Entry (Required for bottom entry applications) -A = Alignment Pin (3 positions minimum) Metal or plastic at Samtec's discretion -K = (5.00 mm) .197" DIA Polyimide Film Pick & Place Pad (04 thru 50 only) -P = Pick & Place Pad (4 positions minimum) (Not always necessary for auto placement.) -TR = Tape & Reel Packaging (36 positions max) -FR = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks) (36 positions max)

No. of positions x (2.00) .0787

(4.00) .157

(0.51) .020

(0.51) .020

(2.13) .084

(2.27) .090

(5.16) .203

(3.02) .119

(0.51) .020

(5.08) .200

(5.71) .225

(0.81) .032

(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.

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.