



(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

(1 pin powered per row)

Operating Temp Range:

-55 °C to +125 °C

Contact Resistance:

10 mΩ

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:

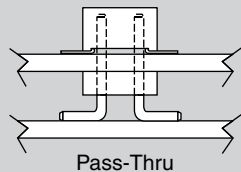
Yes

Mates with:

TMM, TMMH, MTMM,
MMT, TW, TSH



APPLICATION



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

ALSO AVAILABLE (MOQ Required)

- Other platings
- Contact Samtec.

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)

RECOGNITIONS

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



FILE NO. E111594

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)

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

Dimensions shown in drawings:

- Top view: No. of positions x (2.00) .0787
- Lead height: (4.00) .157
- Lead width: (0.51) .020
- Lead pitch: (2.13) .084
- Lead length: (3.02) .119
- Lead diameter: (0.81) .032
- Lead thickness: (0.64) .025 DIA
- Lead spacing: (5.16) .203
- Lead width: (2.27) .090
- Lead height: (5.08) .200 x (5.71) .225
- Lead diameter: (0.81) .032
- Lead thickness: (0.64) .025 DIA

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