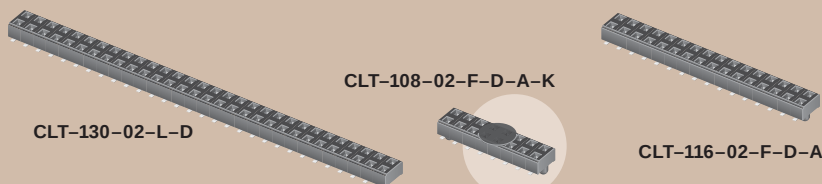


(2.00mm) .0787"

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

50μ" (1,27μm) Ni

Current Rating:

3.3A @ 80°C ambient

(6 contacts powered)

Operating Temp Range:

-55°C to +125°C

Contact Resistance:

10 mΩ max

Insertion Depth:

Top Entry=

(1,40mm) .055" minimum

Bottom Entry=

(2,57mm) .101" minimum

(add board thickness for

correct post OAL)

Insertion Force:

(Single contact only)

1.8oz (0,50N) avg.

Withdrawal Force:

(Single contact only)

.6oz (0,17N) avg.

Max Cycles:

100 with 10μ" (0,25μm) Au

RoHS Compliant:

Yes

Processing:
Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0,10mm) .004" max (02-25)

(0,15mm) .006" max (26-34)

(0,20mm) .008" max (35-50)

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

 Tiger Claw™
 contacts

 Available with optional
 Pick & Place Pads

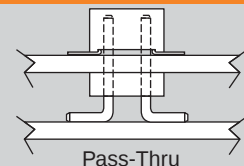
 Suitable for
 pass-through
 applications

 Low profile
 (2,21mm)
 .087"

 Available
 with optional
 alignment pins

TMMH/CLT	Rated @ -3dB Insertion Loss
4,77mm Stack Height	
Single-Ended Signaling	5.5 GHz / 11 Gbps
Differential Pair Signaling	6.5 GHz / 13 Gbps
TW/CLT	Rated @ -3dB Insertion Loss
18mm Stack Height	
Single-Ended Signaling	2.5 GHz / 5.0 Gbps
Differential Pair Signaling	3.0 GHz / 6.0 Gbps
Complete test data available at www.samtec.com?CLT or contact sig@samtec.com	

APPLICATION



Pass-Thru

CLT

1

NO. PINS
PER ROWLEAD
STYLEPLATING
OPTION

D

OTHER
OPTIONS

02 thru 50

LEAD STYLE	A
-01	(2,16) .085
-03	(2,95) .116

 -01
 = Through-
 hole

 -02
 = Surface
 Mount

 -03
 = Through-
 hole

 -F
 = Gold flash
 on contact,
 Matte Tin on tail

 -L
 = 10μ" (0,25μm)
 Gold on contact,
 Matte Tin on tail

 -G
 = 10μ" (0,25μm)
 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
 = (5,00mm) .197" DIA
 Polyimide Film
 Pick & Place Pad
 (04 thru 50 only)

 -P
 = Pick & Place Pad
 (4 positions minimum)
 (Not always necessary
 for auto placement.)

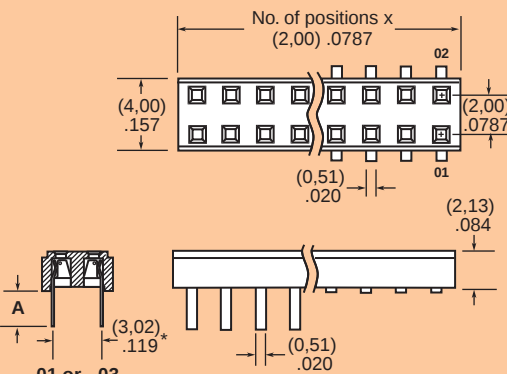
 -TR
 = Tape & Reel
 Packaging
 (36 positions max)

TAPE & REEL AVAILABILITY

No tooling charges.
 Minimum order is the lesser of
 a full reel quantity or 125 pieces.
 Order any quantity above minimum.
 In-house design, manufacture.
 Quick turn-around.

Call Samtec for specifications
 and ordering information.

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



***Processing Note:**
 For Pass-through application drill PCB on (2,22)
 .0874 row spacing & (1,22) .048 DIA holes

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

WWW.SAMTEC.COM