

(2,00mm) .0787"

CLT SERIES



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

CLT-105-02-F-D

CLT-125-02-L-D

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



Available with optional
Pick & Place Pads

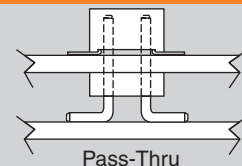
Tiger Claw™
contacts

Suitable for
pass-through
applications

Low profile
(2,21mm)
.087"

(2,00mm)
.0787" pitch

APPLICATION



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

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)

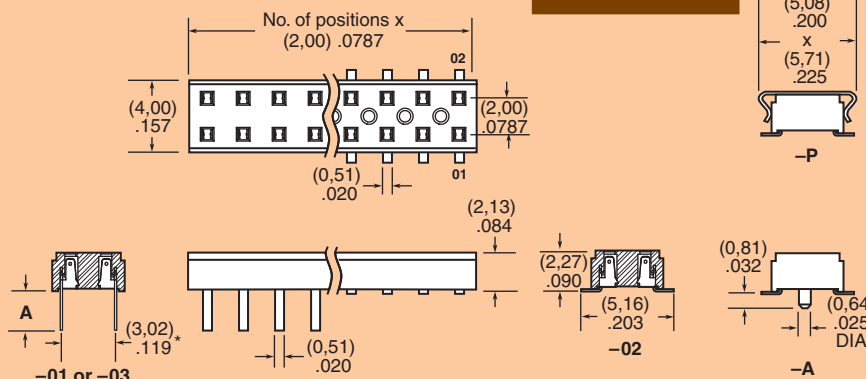
TAPE & REEL AVAILABILITY

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: Other Gold plating
options available.
Contact Samtec.

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



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

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