

(2,00 mm) .0787"

CLT SERIES

ELP<sup>TM</sup>

EXTENDED LIFE PRODUCT

10 year Mixed Flowing Gas with 30µ" Gold  
Call Samtec for maximum cycles

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](http://www.samtec.com?CLT)

### Insulator Material:

Black Liquid Crystal Polymer



### Contact Material:

Phosphor Bronze

### Plating:

Sn or Au over

50µ" (1,27 µm) Ni

### Current Rating:

3.3A per contact

@ 80°C ambient

(6 contacts powered)

### 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)

### Insertion Force:

(Single contact only)

1.8 oz (0,50 N) avg.

### Withdrawal Force:

(Single contact only)

.6 oz (0,17 N) avg.

### Max Cycles:

100 with 10µ" (0,25 µm) Au

### RoHS Compliant:

Yes

### Processing:

Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

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

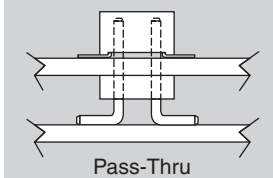
(0,15 mm) .006" max (26-34)

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

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

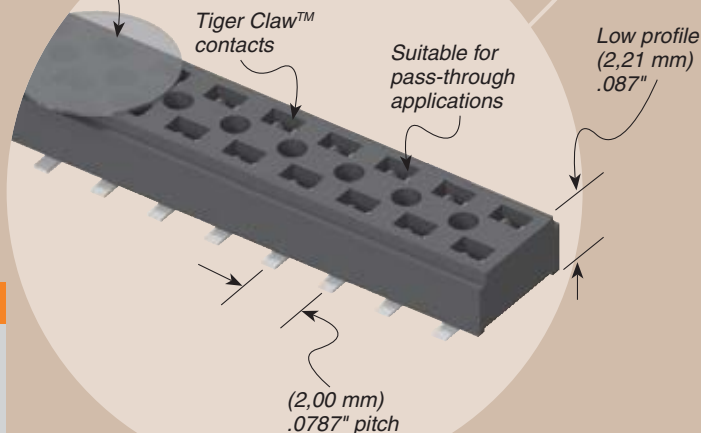


## APPLICATION



Pass-Thru

Available with optional  
Pick & Place Pads

Tiger Claw<sup>TM</sup>  
contactsSuitable for  
pass-through  
applicationsLow profile  
(2,21 mm)  
.087"(2,00 mm)  
.0787" pitch

CLT

1

NO. PINS  
PER ROWLEAD  
STYLEPLATING  
OPTION

D

OTHER  
OPTIONS

02 thru 50

| LEAD<br>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" (0,25 µm)  
Gold on contact,  
Matte Tin on tail-G  
= 10µ" (0,25 µm)  
Gold on contact,  
Gold flash on tailAll 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)

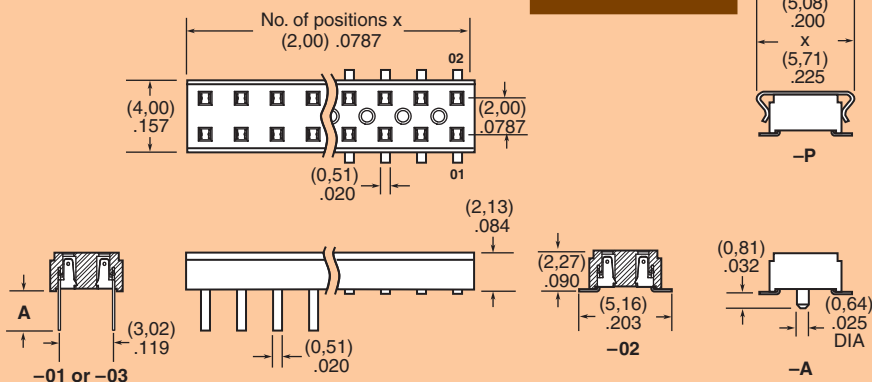
## TAPE & REEL AVAILABILITY

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.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)