

Surface
SMT
Mount

LOW PROFILE SOCKET CLM SERIES

SPECIFICATIONS

For complete specifications see www.samtec.com?CLM

Insulator Material:
Black Liquid Crystal Polymer

Contact Material:
Phosphor Bronze

Current Rating:
1.5A @ 80°C ambient

Operating Temp Range:
-65°C to +125°C

Plating:

Au over 50µ" (1,27µm) Ni

Contact Resistance:
15 m max

Insertion Depth:

Top Entry = (1,40mm) .055" min, Bottom Entry = (2,21mm) .087" minimum (Add board thickness for correct post OAL)

Insertion Force:

(Single contact only)
1.5oz (0,42N) average

Normal Force:

40 grams (0,39N) average

Withdrawal Force:

(Single contact only)
.75oz (0,21N) average

Max Cycles:

100 with 10µ" (0,25µm) Au

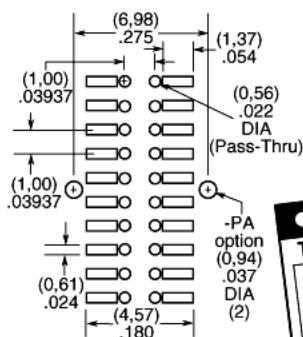
Note: Some lengths, styles and options are non-standard, non-returnable.

Processing:

Max Processing Temp:
230°C for 60 seconds

SMT Lead Coplanarity:
(0,10mm) .004" max (02-25)
(0,15mm) .006" max (26-50)

Suggested PCB Layouts:
For reference only. Please contact Samtec or go to www.samtec.com?CLM for recommended PCB layout.



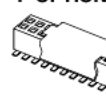
Board fixturing may be required to assure proper alignment for pass-through applications.

TAPE & REEL AVAILABILITY
No tooling charges.
125 piece minimum order.
Order any quantity above minimum.
In-house design, manufacture.
Quick turn-around.
Call Samtec for specifications and ordering information.

Mates with:
FTM, FTMH, MW

OPTIONS

-P OPTION



-TR OPTION

APPLICATION SPECIFIC OPTION

Polarized option and alignment pins available. Call Samtec.



High reliability
Tiger-Claw
contacts

Available with optional
pick-and-place pads

Low profile

Surface
Mount

(1,00mm) .03937" micro pitch

Suitable for
pass-through
applications

CLM

- 1

NO. PINS
PER ROW

- 02

PLATING
OPTION

- D

OPTIONS

02 thru 50

-F
= Pre-plated
Gold flash on contact,
Tin on tail

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

-BE
= Bottom Entry
(Required for
bottom entry
applications)

-K
= (3,50mm) .138"
DIA Polyimide film
Pick & Place Pad
(7 positions
minimum)

-P
= Pick & Place Pad
(7 positions
minimum)
Not always
necessary for
auto placement.
See Flex
Processing.

-PA
= Pick & Place
Pad with integral
Alignment Pin

-TR
= Tape & Reel



PIN/ROW	A
04-15	(3,56) .140
16-50	(7,11) .280

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

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