



Surface
SMT
Mount

LOW PROFILE SOCKET CLM SERIES

SPECIFICATIONS

Materials:

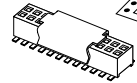
Insulator Material: Black Liquid Crystal Polymer
Contact Material: Phosphor Bronze
Current Rating: 1.5A @ 80°C ambient
Operating Temp Range: -65°C to +125°C
Plating: Au over 50µ" (1,27µm) Ni
Contact Resistance: 15 mΩ max
Insertion Depth: Top Entry = (1,40mm) .055" min, Bottom Entry = (2,21mm) .087" minimum (Add board thickness for correct post OAL)
Insertion Force: 1.5oz (0,42N) average
Normal Force: 40 grams (0,39N) average
Withdrawal Force: .75oz (0,21N) average
Max Cycles: 100 with 10µ" (0,25µm) Au



Mates with: FTM, FTMH, MW

OPTIONS

-P OPTION



-TR OPTION

APPLICATION SPECIFIC OPTION

Polarized option and alignment pins available. Call Samtec.



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

High reliability
Tiger-Claw
contacts

Available with optional
pick-and-place pads

Low profile
(2,21mm) .087"

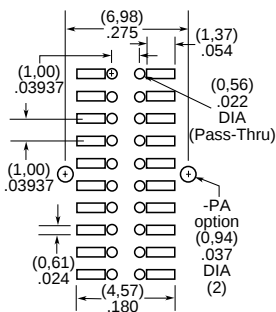
Surface
mount

(1,00mm) .03937"
micro pitch

Suitable for
pass-through
applications

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:
 Your specific layout may vary



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.

CLM

- 1

NO. PINS PER ROW

- 02

PLATING OPTION

- D

CLM OPTIONS

02 thru 50

-F

= Pre-plated
Gold flash
on contact,
75µ" (1,91µm)
Tin on tail

-L

= Pre-plated
10µ" (0,25µm)
Gold on
contact,
75µ" (1,91µm)
Tin on tail

-BE

= Bottom Entry
(Required for
bottom entry
applications)

-K

(Best Cost Option)
= (3,50mm) .138"
DIA Polyamide film
Pick & Place Pad
(7 positions
minimum)

-P

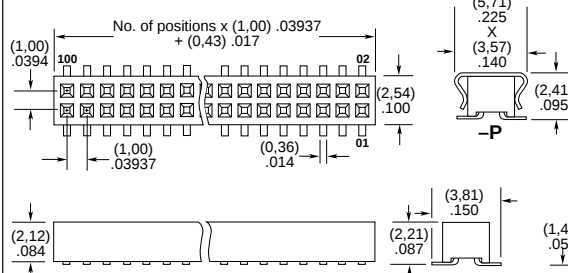
= Pick & Place Pad
(7 positions
minimum)
Not always
necessary for
auto placement.
See Flex
Processing.

-PA

= Pick & Place Pad
with integral
Alignment Pin

-TR

= Tape & Reel



-PA

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.