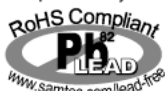


samtec

—FM and —LM
options only:



Surface
SMT
Mount

LOW PROFILE SOCKET CLM SERIES

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?CLM

Insulator Material:
Black Liquid Crystal Polymer



Contact Material:
Phosphor Bronze
Plating:

Au, Sn or SnPb
over 50µ" (1,27µm) Ni

Current Rating:
1.5A @ 80°C ambient

Operating Temp Range:

-55°C to +125°C

Contact Resistance:

15 mΩ max

Insertion Depth:

Top Entry = (1,40mm) .055"
min, Bottom Entry = (2,41mm)
.095" 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

Processing:

Max Processing Temp:

230°C for 60 seconds, or
260°C for 20 seconds 3x

Lead-Free Solderable:

Yes, with Matte Tin

SMT Lead Coplanarity:

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

Mates with:
FTM, FTMH, MW



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 or —FM
= Pre-plated Gold
flash on contact,
Tin-Lead (—F)
or Matte Tin (—FM)
on tail

—L or —LM
= Pre-plated 10µ"
(0,25µm)
Gold on contact,
Tin-Lead (—L)
or Matte Tin (—LM)
on tail

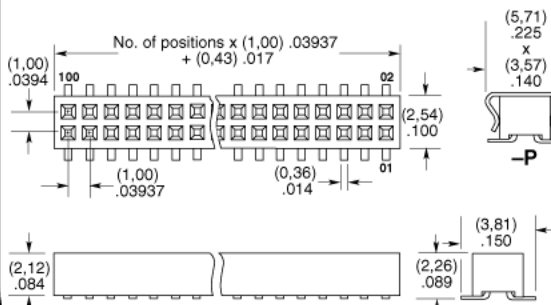
—BE
= Bottom Entry
(Required for
bottom entry
applications)

—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

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.

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

SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 • Fax: 812-948-5047

SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0 • Fax: +49 (0) 89 / 89460-299

SAMTEC SCANDINAVIA • Tel: +46-84477280 • Fax: +46-87420413

SAMTEC JAPAN • Tel: 81-424-42-8318 • Fax: 81-424-42-8319

SAMTEC HONG KONG • Tel: 852-26904858 • Fax: 852-26904842

SAMTEC SILICON VALLEY • Tel: 408-395-5900 • Fax: 408-395-1520

SAMTEC FRANCE • Tel: 01 60 95 06 60 • Fax: 01 60 95 06 61

SAMTEC ISRAEL • Tel: 972-3-7526600 • Fax: 972-3-7526690

SAMTEC CHINA • Tel: 86-21-61103766 • Fax: 86-21-53854047

SAMTEC SOUTH AFRICA • Tel: 27 11 4528112 • Fax: 27 86 6714432

SAMTEC UK • Tel: 01236 739292 • Fax: 01236 727113

SAMTEC ITALY • Tel: 39 039 6890337 • Fax: 39 039 6890315

SAMTEC INDIA • Tel: 91 80 306 21 612 • Fax: 91 80 4152 8187

SAMTEC TAIWAN • Tel: 886 02 2698-3367 • Fax: 886 02 8698-2159

SAMTEC ANZ • Tel: 613 9512 7747 • Fax: 613 9512 7745