

(1,00mm) .03937"

CLM, MLE SERIES


ELP™
 EXTENDED LIFE PRODUCT

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

MLE-150-01-G-DV

MLE-120-01-G-DV

CLM-111-02-L-D

CLM-126-02-F-D

RUGGED RELIABLE MICRO SOCKETS

SPECIFICATIONS

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

Black LCP


Contact Material:

Phosphor Bronze

Plating: Au, Sn or SnPb

over 50µ" (1,27µm) Ni

Current Rating:

3A @ 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" min. (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

RoHS Compliant: Yes

Lead-Free Solderable: Yes

SMT Lead Coplanarity:

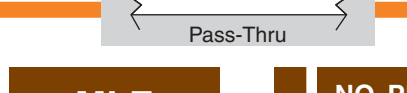
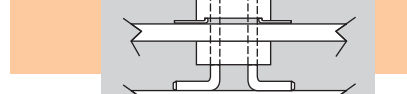
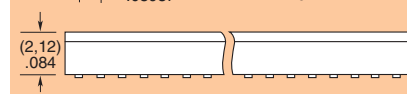
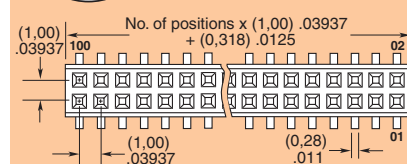
(0,10mm) .004" max (02-25)

(0,15mm) .006" max (26-50)

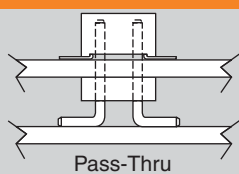
Note: Some lengths, styles

and options are non-standard,

non-returnable.

 Mates with:
 FTM, FTMH, MW


APPLICATION



02 thru 50

PLATING OPTION

-F
 = Gold flash on contact,
 Matte Tin on tail

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

OPTIONS

-BE
 = Bottom Entry
 (Required for bottom entry)

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

-P
 = Pick & Place Pad
 (7 positions minimum)

-PA
 = Pick & Place Pad with
 integral Alignment Pin

-TR
 = Tape & Reel Packaging

APPLICATION SPECIFIC OPTION

- Alignment Pin available.
 - Other Gold plating options available.
- Call Samtec.

SPECIFICATIONS

 For complete specifications and recommended PCB layouts see www.samtec.com?MLE
Insulator Material:

Black LCP


Contact Material:

BeCu

Operating Temp Range:

-55°C to +125°C

Plating:

Au over 10µ" (0,25µm) Ni

Insertion Depth:

(1,63mm) .064" to (3,18mm)

.125" with (0,38mm) .015"

wipe, pass-through, or

(2,44mm) .096" minimum

for bottom entry

Insertion Force:

2.70oz (0,75N) average

Withdrawal Force:

0.50oz (0,14N) average

RoHS Compliant: Yes

Lead-Free Solderable: Yes

SMT Lead Coplanarity:

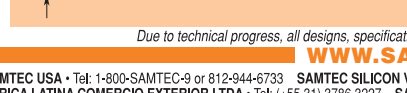
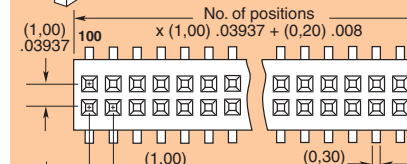
(0,10mm) .004" max (02-25)

(0,15mm) .006" max (26-50)

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and options are non-standard,

non-returnable.

 Mates with:
 FTM, FTMH, MW


02 thru 50

PLATING OPTION

-G
 = 10µ" (0,25µm)
 Gold

OPTIONS

-A
 = Alignment Pin
 (3 positions minimum)
 Metal or plastic at Samtec
 discretion.

-K
 = (4,00mm) .1575" DIA
 Polyimide film Pick & Place Pad
 (5 positions minimum)

-P
 = Metal Pick & Place Pad
 (5 positions minimum)

-TR
 = Tape & Reel Packaging

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

WWW.SAMTEC.COM

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