

(1,00mm) .03937"

CLM, MLE SERIES

MLE-140-01-G-DV

MLE-120-01-G-DV

CLM-115-02-L-D

CLM-125-02-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

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

CLM

1

NO. PINS
PER ROW

02

PLATING
OPTION

D

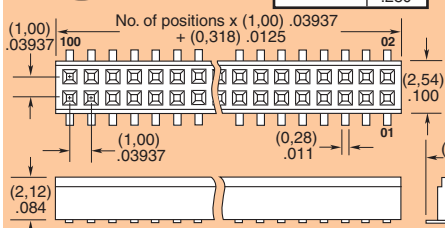
OPTIONS

Mates with:
FTM, FTMH, MW



02 thru 50

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



PROCESSING

- **Max Processing Temp:**
230°C for 60 seconds, or 260°C for 20 seconds 3x
- **Lead-Free Solderable:**
Yes
- **SMT Lead Coplanarity:**
(0,10mm) .004" max (02-25)
(0,15mm) .006" max (26-50)

-F

= Gold flash on
contact,
Matte Tin on tail

-L

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

-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.
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

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

MLE

1

NO. PINS
PER ROW

01

PLATING
OPTION

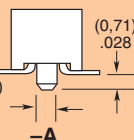
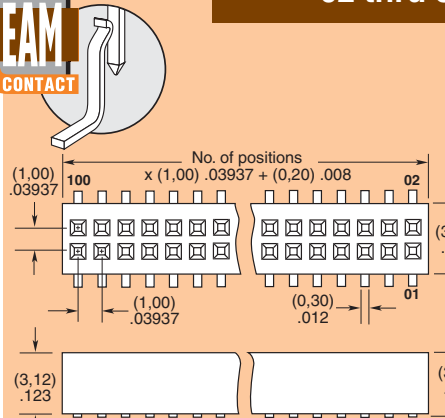
DV

OPTIONS

Mates with:
FTM, FTMH, MW



02 thru 50



-A

-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.

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