



(1,00 mm) .0394"

CLM, MLE SERIES



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" (1,27 µm) Ni

Current Rating:

3A per contact

@ 80°C ambient

Operating Temp Range:

-55°C to +125°C

Contact Resistance:

15 mΩ

Insertion Depth:

Top Entry = (1,40 mm) .055"

min., Bottom Entry = (2,41 mm)

.095" min. (Add board

thickness for correct post OAL)

Insertion Force:

1.5 oz (0,42 N) average

Normal Force:

40 grams (0,39 N) average

Withdrawal Force:

.75 oz (0,21 N) average

Max Cycles:

100 with 10µ" (0,25 µm) Au

RoHS Compliant:

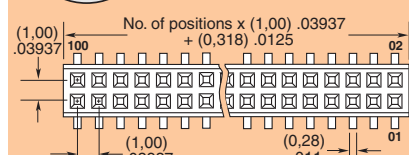
Yes

Lead-Free Solderable: Yes

SMT Lead Coplanarity:

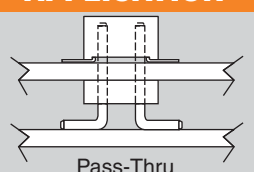
(0,10 mm) .004" max (02-25)

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

Mates with:
FTM, FTMH, MW

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

APPLICATION



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

PLATING OPTION

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

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

OPTIONS

-BE
= Bottom Entry
(Required for bottom entry)

-K
= (3,50 mm) .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" (0,25 µm) Ni

Insertion Depth:

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

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

wipe, pass-through, or

(2,44 mm) .096" minimum

for bottom entry

Insertion Force:

2.70 oz (0,75 N) average

Withdrawal Force:

0.50 oz (0,14 N) average

RoHS Compliant: Yes

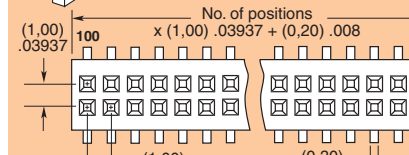
Lead-Free Solderable: Yes

SMT Lead Coplanarity:

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

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

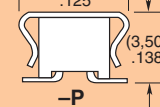
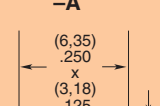
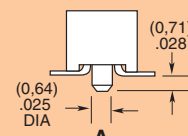
Note: Some lengths, styles and options are non-standard, non-returnable.

Mates with:
FTM, FTMH, MW

MLE

02 thru 50

-G
= 10µ" (0,25 µm)
Gold



PLATING OPTION

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

-K
= (4,00 mm) .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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