



(1,00 mm) .0394"

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" (1,27 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:

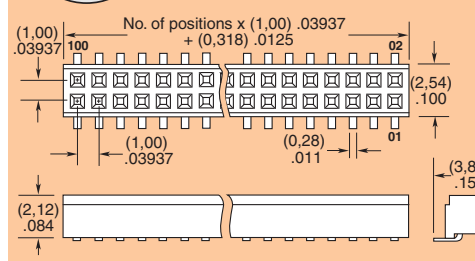
Yes

Lead-Free Solderable: Yes

SMT Lead Coplanarity:

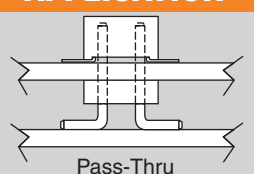
(0,10 mm) .004" max (02-25)

(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

 -PA
 = Pick & Place Pad with integral Alignment Pin

D

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" wiper, 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

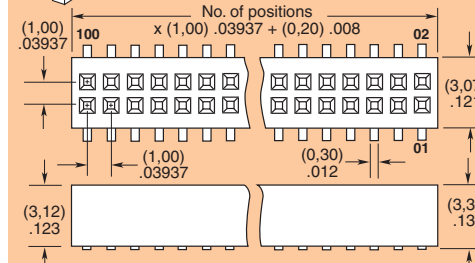
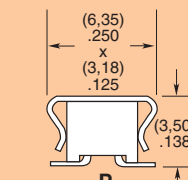
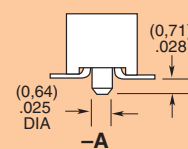
Lead-Free Solderable: Yes

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

 -G
 = 10µ" (0,25 µm) Gold


PLATING OPTION

OPTIONS

 -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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