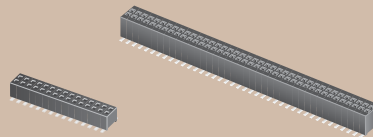


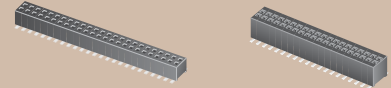


MLE-140-01-G-DV



CLM-115-02-L-D

MLE-120-01-G-DV



CLM-125-02-F-D

Surface
SMT
Mount

1mm PITCH SOCKETS CLM, MLE SERIES

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

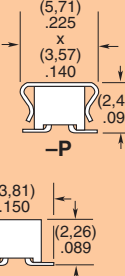
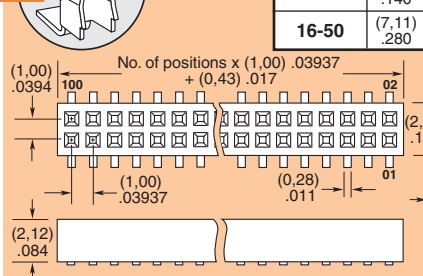
OPTIONS

Mates with:
FTM, FTMH, MW



02 thru 50

PIN/ROW	A
04-15	(3.56) .140
16-50	(7.11) .280



-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

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)

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" wiper, 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

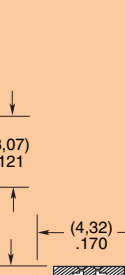
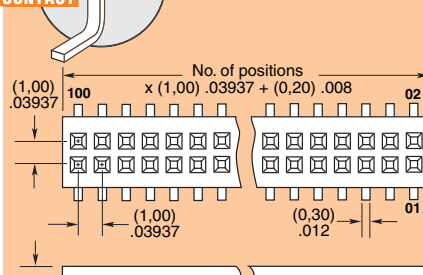
DV

OPTIONS

Mates with:
FTM, FTMH, MW



02 thru 50



-G
= 10µ" (0.25µm)
Gold

-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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