

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.

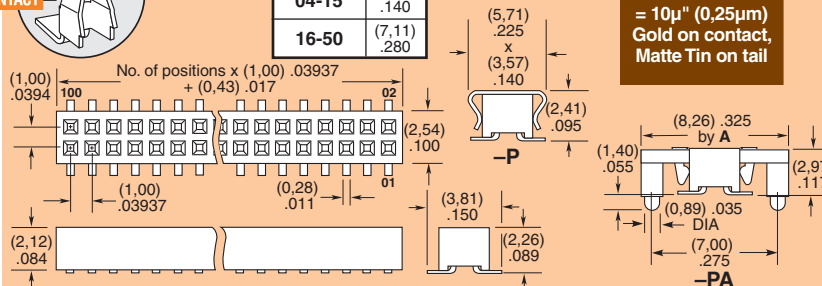


Mates with:
FTM, FTMH, MW



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" 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

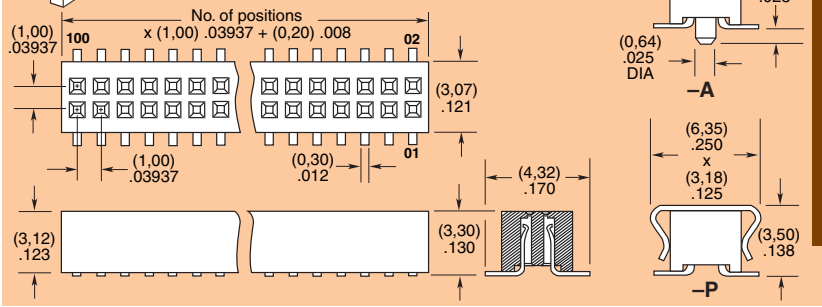
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Mates with:
FTM, FTMH, MW



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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