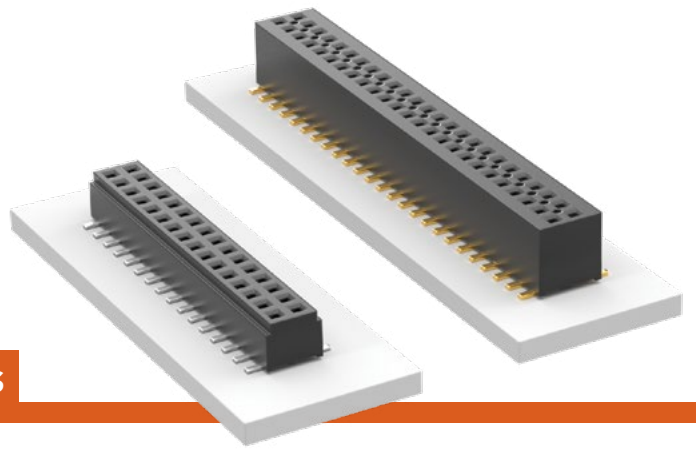


RUGGED RELIABLE MICRO SOCKETS

(1.00 mm) .0394" PITCH • CLM/MLE SERIES



CLM

Mates:
FTM, FTMH, MW

MLE

Mates:
FTM, FTMH, MW

SPECIFICATIONS

Insulator Material: Black LCP
Contact Material:
 CLM: Phosphor Bronze
 MLE: BeCu
Plating:
 CLM: Au or Sn over
 50 μ " (1.27 μ m) Ni
 MLE: Au over 10 μ " (0.25 μ m) Ni
Current Rating (CLM/FTM):
 2.8 A per pin
 (2 pins powered)
Current Rating (MLE/FTM):
 2.9 A per pin (2 pins powered)
Operating Temp Range:
 -55 °C to +125 °C
Max Cycles:
 CLM: 100 with 10 μ " (0.25 μ m) Au
Voltage Rating:
 MLE: 310 VAC
Insertion Depth:
 CLM:
 Top Entry = (1.40 mm) .055" min.,
 Bottom Entry =
 (2.41 mm) .095" min.
 (Add board thickness for
 correct post OAL)
 MLE:
 (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
Normal Force:
 CLM: 40 grams (0.39 N) average



02 thru 50

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

-L
= 10 μ " (0.25 μ m)
Gold on contact,
Matte Tin on tail

-BE
= Bottom Entry
(Required for bottom entry)

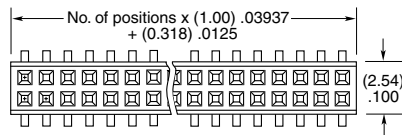
-K
= (3.50 mm) .138" DIA
Polyimide film
Pick & Place Pad
(7 positions minimum)

-P
= Pick & Place Pad
(7 positions minimum)

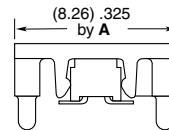
-PA
= Pick & Place Pad with
integral Alignment Pin

-TR
= Tape & Reel

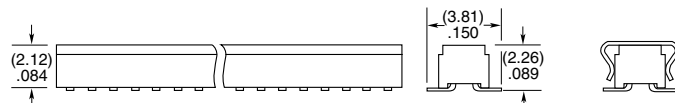
-FR
= Full Reel Tape & Reel
(must order maximum
quantity per reel;
contact Samtec for
quantity breaks)



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



-PA



-P

PROCESSING

Lead-Free Solderable:
Yes
SMT Lead Coplanarity:
 (0.10 mm) .004" max (02-25)
 (0.15 mm) .006" max (26-50)*
 *(.004" stencil solution
 may be available; contact
 ipg@samtec.com)

ALSO AVAILABLE
MOQ Required

Alignment pin
Other Gold plating options



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



02 thru 50

-G
= 10 μ "
(0.25 μ m)
Gold

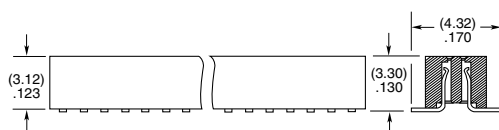
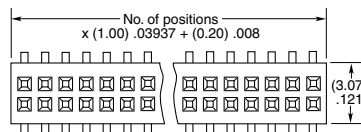
-A
= Alignment Pin
(3 positions minimum)
Metal or plastic
at Samtec discretion

-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

-FR
= Full Reel Tape & Reel
(must order maximum
quantity per reel;
contact Samtec for
quantity breaks)



-P

-A

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Samtec:

[CLM-108-02-F-D-P-TR](#) [CLM-112-02-L-D](#) [CLM-107-02-L-D](#) [CLM-110-02-FM-D-P-TR](#) [CLM-105-02-F-D](#) [CLM-102-02-F-D](#) [CLM-135-02-L-D](#) [CLM-110-02-L-D-P](#) [CLM-120-02-F-D](#) [CLM-120-02-L-D](#) [CLM-102-02-FM-D](#) [CLM-110-02-L-D](#) [CLM-105-02-F-D-TR](#) [CLM-120-02-L-D-K-TR](#) [CLM-103-02-L-D-TR](#) [CLM-110-02-L-D-K-TR](#) [CLM-125-02-F-D](#) [CLM-125-02-L-D](#) [CLM-111-02-L-D](#) [CLM-105-02-F-D-PA](#) [CLM-120-02-F-D-P](#) [CLM-118-02-L-D](#) [CLM-130-02-L-D](#) [CLM-111-02-F-D](#) [CLM-106-02-LM-D](#) [CLM-106-02-L-D](#) [CLM-115-02-LM-D](#) [CLM-112-02-L-D-A](#) [CLM-108-02-F-D-K](#) [CLM-108-02-L-D](#) [CLM-105-02-L-D-PA](#) [CLM-108-02-F-D-K-TR](#) [CLM-110-02-F-D-K](#) [CLM-124-02-L-D](#) [CLM-104-02-L-D-BE](#) [CLM-107-02-L-D-K](#) [CLM-113-02-F-D](#) [CLM-103-02-L-D](#) [CLM-130-02-F-D-K](#) [CLM-110-02-F-D-P](#) [CLM-107-02-F-D-BE](#) [CLM-102-02-L-D](#) [CLM-115-02-F-D](#) [CLM-109-02-F-D](#) [CLM-106-02-FM-D](#) [CLM-121-02-F-D](#) [CLM-120-02-L-D-K](#) [CLM-122-02-L-D](#) [CLM-107-02-L-D-P-TR](#) [CLM-113-02-L-D](#) [CLM-115-02-L-D](#) [CLM-120-02-L-D-P](#) [CLM-120-02-F-D-PA](#) [CLM-110-02-H-D](#) [CLM-113-02-F-D-K](#) [CLM-117-02-F-D](#) [CLM-107-02-F-D-K-TR](#) [CLM-117-02-L-D](#) [CLM-112-02-L-D-P](#) [CLM-110-02-LM-D-K](#) [CLM-104-02-L-D](#) [CLM-130-02-LM-D](#) [CLM-103-02-F-D](#) [CLM-104-02-F-D](#) [CLM-107-02-F-D](#) [CLM-108-02-L-D-PA](#) [CLM-106-02-F-D](#) [CLM-110-02-F-D-PA](#) [CLM-116-02-L-D-BE-K-TR](#) [CLM-120-02-F-D-K](#) [CLM-109-02-LM-D-K](#) [CLM-133-02-L-D](#) [CLM-108-02-F-D-PA](#) [CLM-107-02-L-D-P](#) [CLM-103-02-F-D-TR](#) [CLM-114-02-L-D](#) [CLM-112-02-F-D](#) [CLM-117-02-F-D-K](#) [CLM-150-02-L-D](#) [CLM-110-02-LM-D](#) [CLM-115-02-L-D-K](#) [CLM-107-02-L-D-K-TR](#) [CLM-108-02-F-D](#) [CLM-116-02-F-D](#) [CLM-107-02-LM-D-K](#) [CLM-105-02-LM-D](#) [CLM-105-02-L-D](#) [CLM-110-02-F-D-P-TR](#) [CLM-107-02-F-D-P](#) [CLM-119-02-F-D](#) [CLM-105-02-FM-D](#) [CLM-108-02-L-D-P](#) [CLM-104-02-LM-D](#) [CLM-104-02-L-D-TR](#) [CLM-104-02-F-D-BE](#) [CLM-110-02-F-D](#) [CLM-109-02-L-D](#) [CLM-150-02-F-D-P](#) [CLM-124-02-L-D-P](#) [CLM-108-02-F-D-P](#)