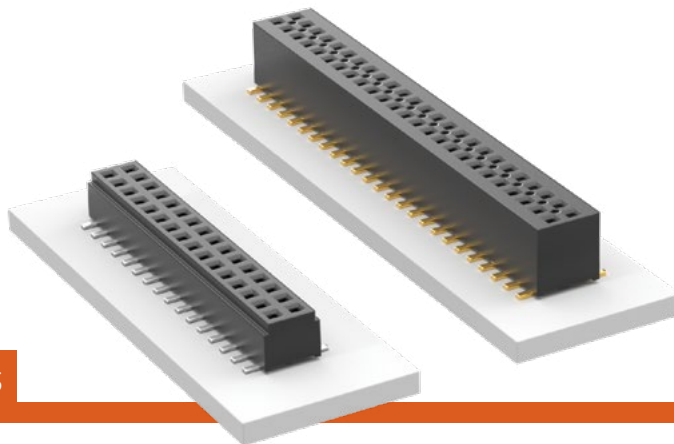


RUGGED RELIABLE MICRO SOCKETS

(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" wiper,

pass-through, or (2.44 mm) .096"

minimum for bottom entry

Normal Force:

CLM: 40 grams (0.39 N) average

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.

CLM	-	1	NO. PINS PER ROW	-	02	PLATING OPTION	-	D	OPTIONS
-----	---	---	------------------	---	----	----------------	---	---	---------

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

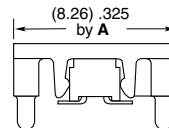
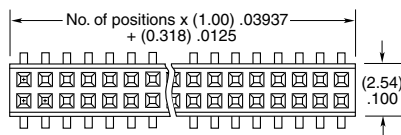
-TR

= Tape & Reel

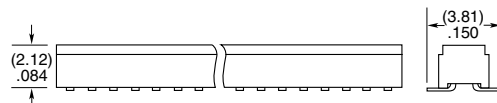
-FR

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

**TIGER
CLAW
CONTACT**



-PA



-P

MLE	-	1	NO. PINS PER ROW	-	01	PLATING OPTION	-	DV	OPTIONS
-----	---	---	------------------	---	----	----------------	---	----	---------

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)

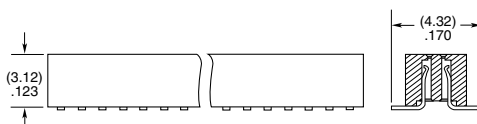
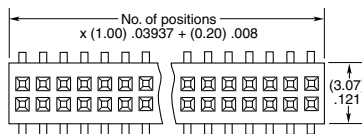
-TR

= Tape & Reel

-FR

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

**TIGER
BEAM
CONTACT**



-P

-A

Mouser Electronics

Authorized Distributor

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

Samtec:

[MLE-110-01-G-DV-A](#) [MLE-120-01-G-DV-A](#) [MLE-140-01-G-DV-A](#) [MLE-135-01-G-DV-K](#) [MLE-125-01-G-DV](#) [MLE-107-01-G-DV](#) [MLE-112-01-G-DV](#) [MLE-107-01-G-DV-A](#) [MLE-140-01-G-DV](#) [MLE-108-01-G-DV-A](#) [MLE-107-01-G-DV-P](#) [MLE-116-01-G-DV](#) [MLE-120-01-G-DV](#) [MLE-115-01-G-DV](#) [MLE-112-01-G-DV-K](#) [MLE-108-01-G-DV](#) [MLE-117-01-G-DV-P](#) [MLE-113-01-G-DV-P](#) [MLE-115-01-G-DV-A](#) [MLE-105-01-G-DV-K-TR](#) [MLE-105-01-G-DV](#) [MLE-105-01-G-DV-A](#) [MLE-132-01-G-DV](#) [MLE-110-01-G-DV](#) [MLE-109-01-G-DV-A](#) [MLE-150-01-G-DV-A](#) [MLE-109-01-G-DV](#) [MLE-132-01-G-DV-P](#) [MLE-114-01-G-DV](#) [MLE-126-01-G-DV](#) [MLE-102-01-G-DV](#) [MLE-125-01-G-DV-A](#) [MLE-112-01-G-DV-A](#) [MLE-103-01-G-DV](#) [MLE-113-01-G-DV](#) [MLE-142-01-G-DV-P](#) [MLE-106-01-G-DV](#) [MLE-115-01-G-DV-K](#) [MLE-105-01-G-DV-K](#) [MLE-104-01-G-DV](#) [MLE-107-01-G-DV-A-K-TR](#) [MLE-150-01-G-DV-A-P-TR](#) [MLE-111-01-G-DV](#) [MLE-112-01-G-DV-A-P-TR](#) [MLE-112-01-G-DV-TR](#) [MLE-126-01-G-DV-A-TR](#) [MLE-128-01-G-DV-A-P](#) [MLE-145-01-G-DV-P-TR](#) [MLE-150-01-G-DV-A-K-TR](#) [MLE-105-01-G-DV-A-K](#) [MLE-108-01-G-DV-P-TR](#) [MLE-120-01-G-DV-K-TR](#) [MLE-132-01-G-DV-K](#) [MLE-134-01-G-DV-A-K](#) [MLE-135-01-G-DV](#) [MLE-120-01-G-DV-P](#) [MLE-105-01-G-DV-TR](#) [MLE-108-01-G-DV-A-P](#) [MLE-108-01-G-DV-A-TR](#) [MLE-110-01-G-DV-A-P](#) [MLE-110-01-G-DV-P](#) [MLE-118-01-G-DV-A-P](#) [MLE-135-01-G-DV-P-TR](#) [MLE-108-01-G-DV-K-TR](#) [MLE-110-01-G-DV-A-P-TR](#) [MLE-110-01-G-DV-P-TR](#) [MLE-125-01-G-DV-TR](#) [MLE-135-01-G-DV-P](#) [MLE-109-01-G-DV-TR](#) [MLE-118-01-G-DV-K](#) [MLE-132-01-G-DV-A-P-TR](#) [MLE-105-01-G-DV-A-K-TR](#) [MLE-108-01-G-DV-A-P-TR](#) [MLE-115-01-G-DV-P-TR](#) [MLE-124-01-G-DV](#) [MLE-130-01-G-DV-TR](#) [MLE-130-01-G-DV-K-TR](#) [MLE-140-01-G-DV-K](#) [MLE-106-01-G-DV-P-TR](#) [MLE-122-01-G-DV-A-K-TR](#) [MLE-108-01-G-DV-K](#) [MLE-119-01-G-DV-A](#) [MLE-125-01-G-DV-K](#) [MLE-125-01-G-DV-P-TR](#) [MLE-134-01-G-DV](#) [MLE-116-01-G-DV-K-TR](#) [MLE-125-01-G-DV-A-TR](#) [MLE-130-01-G-DV-A-TR](#) [MLE-130-01-G-DV-P-TR](#) [MLE-140-01-G-DV-P-TR](#) [MLE-109-01-G-DV-A-K-TR](#) [MLE-109-01-G-DV-A-TR](#) [MLE-120-01-G-DV-K](#) [MLE-106-01-G-DV-TR](#) [MLE-107-01-G-DV-A-P-TR](#) [MLE-128-01-G-DV](#) [MLE-130-01-G-DV-A-K](#) [MLE-130-01-G-DV-A-K-TR](#) [MLE-107-01-G-DV-A-TR](#) [MLE-106-01-G-DV-K-TR](#)