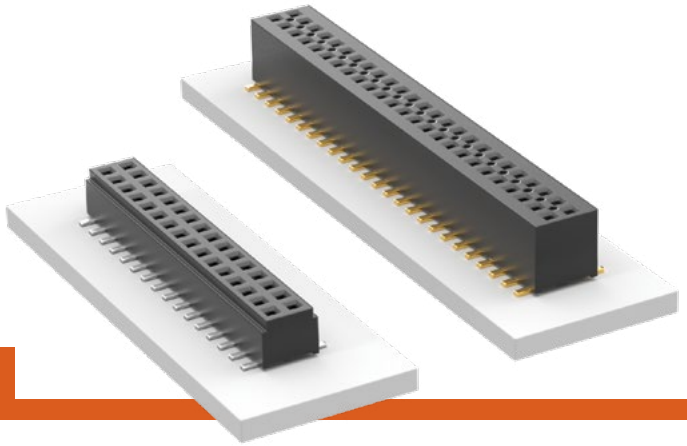
RUGGED RELIABLE MICRO SOCKETS

(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 µm) Ni
MLE: Au over 10 µ" (0.25 µm) Ni
Current Rating (CLM/FTM):
3.1 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 µm) Au
Voltage Rating:
CLM: 270 VAC
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

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

10 YEAR MFG WITH 30 µ" GOLD
EXTENDED LIFE PRODUCT
HIGH MATING CYCLES

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

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

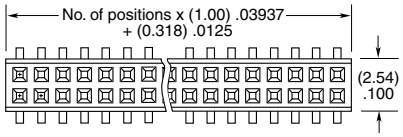
02 thru 50

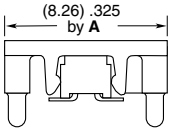
–F
= Gold flash on
contact,
Matte Tin on tail

–L
= 10 µ" (0.25 µm)
Gold on contact,
Matte Tin on tail

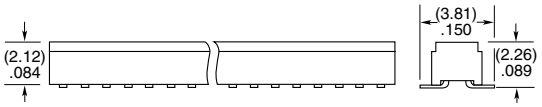
TIGER™ CLAW CONTACT

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





-PA





-P

–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

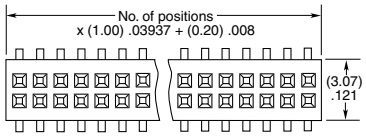
–FR
= Full Reel Tape & Reel
(must order maximum
quantity per reel;
contact Samtec for
quantity breaks)

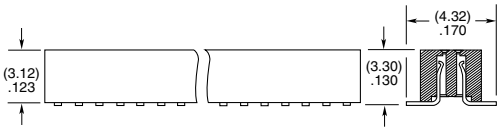
MLE - 1 - NO. PINS PER ROW - 01 - PLATING OPTION - DV - OPTIONS

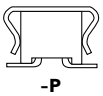
02 thru 50

–G
= 10 µ"
(0.25 µm)
Gold

TIGER™ BEAM CONTACT







-P



-A

–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)

samtec.com?CLM or samtec.com?MLE

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.