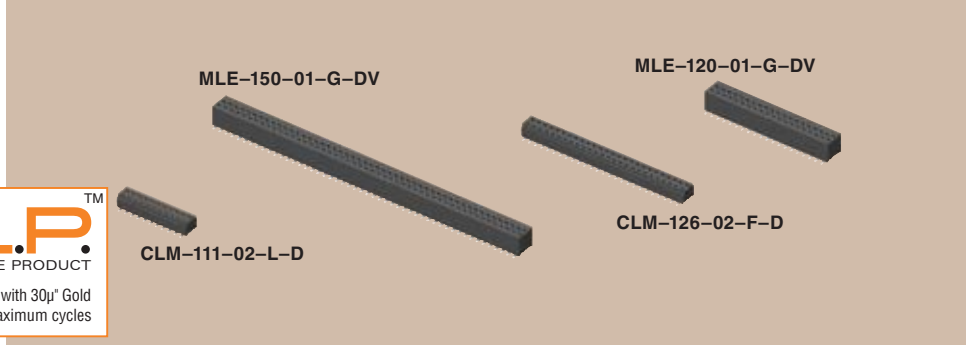
samtec



E.L.P.™ EXTENDED LIFE PRODUCT
10 year Mixed Flowing Gas with 30µ" Gold
Call Samtec for maximum cycles

(1,00 mm) .0394"
CLM, MLE SERIES

RUGGED RELIABLE MICRO SOCKETS

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?CLM

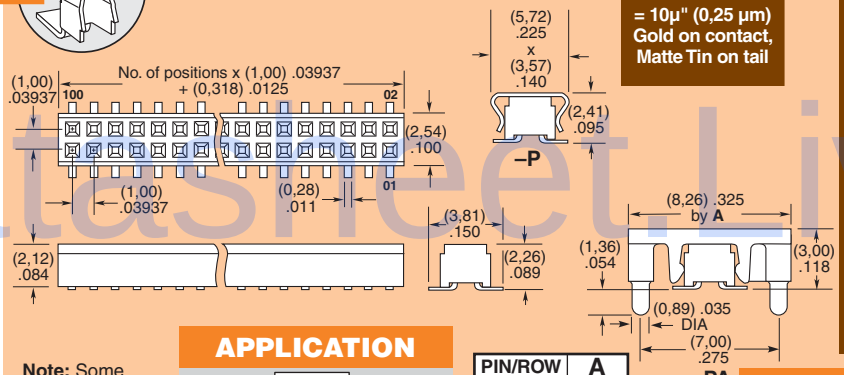
Insulator Material: Black LCP
Contact Material: Phosphor Bronze
Plating: Au, Sn or SnPb over 50µ" (1,27 µm) Ni
Current Rating: 3A per contact @ 80°C ambient
Operating Temp Range: -55°C to +125°C
Contact Resistance: 15 mΩ
Insertion Depth: Top Entry = (1,40 mm) .055" min., Bottom Entry = (2,41 mm) .095" min. (Add board thickness for correct post OAL)
Insertion Force: 1.5 oz (0,42 N) average
Normal Force: 40 grams (0,39 N) average
Withdrawal Force: .75 oz (0,21 N) average
Max Cycles: 100 with 10µ" (0,25 µm) Au
RoHS Compliant: Yes
Lead-Free Solderable: Yes
SMT Lead Coplanarity: (0,10 mm) .004" max (02-25) (0,15 mm) .006" max (26-50)

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

Mates with: FTM, FTMH, MW

TIGER CLAW CONTACT™

02 thru 50



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

–L
= 10µ" (0,25 µm) 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)

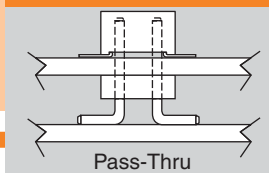
–P
= Pick & Place Pad (7 positions minimum)

–PA
= Pick & Place Pad with integral Alignment Pin

–TR
= Tape & Reel Packaging

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

APPLICATION



PIN/ROW	A
04-15	(3,56) .140
16-50	(7,11) .280

APPLICATION SPECIFIC OPTION

- Alignment Pin available.
- Other Gold plating options 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" (0,25 µm) Ni
Insertion Depth: (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
Insertion Force: 2.70 oz (0,75 N) average
Withdrawal Force: 0.50 oz (0,14 N) average
RoHS Compliant: Yes
Lead-Free Solderable: Yes
SMT Lead Coplanarity: (0,10 mm) .004" max (02-25) (0,15 mm) .006" max (26-50)

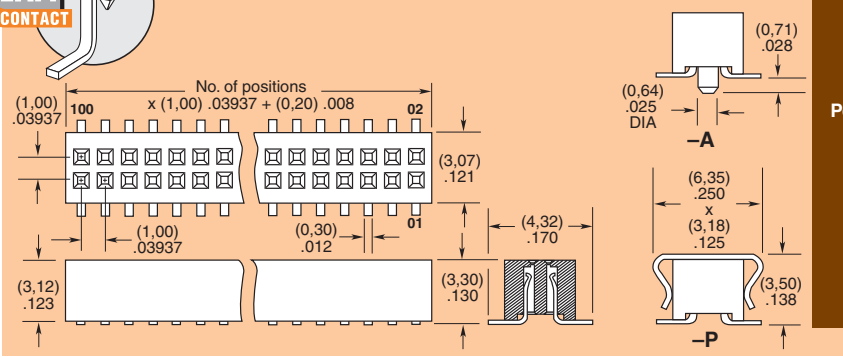
Note: Some lengths, styles and options are non-standard, non-returnable.

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

Mates with: FTM, FTMH, MW

TIGER BEAM CONTACT™

02 thru 50



–G
= 10µ" (0,25 µm) 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 Packaging

Due to technical progress, all designs, specifications and components are subject to change without notice.

SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 SAMTEC NORTHERN CALIFORNIA • Tel: 408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: 1-800-726-8329
SAMTEC AMERICA LATINA COMERCIO EXTERIOR LTDA • Tel: (+55 31) 3786 3227 SAMTEC UNITED KINGDOM • Tel: 44 01236 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0
SAMTEC FRANCE • Tel: 33 01 60 95 06 60 SAMTEC ITALY • Tel: 39 039 6890337 SAMTEC NORDIC/BALTIC • Tel: +46-84477280 SAMTEC BENELUX • Tel: 44 01236 739292
SAMTEC ISRAEL • Tel: 972-3-7526600 SAMTEC INDIA • Tel: +91-80-3272 1612 SAMTEC ASIA PACIFIC • Tel: 65 6745-5955 SAMTEC JAPAN • Tel: 045-475-1385 SAMTEC CHINA • Tel: 86-21-6083 3766
SAMTEC TAIWAN • Tel: 886-2-2735-6109 SAMTEC HONG KONG • Tel: 852-26904858 SAMTEC KOREA • Tel: 82-31-717-5685 SAMTEC ANZ • Tel: 613 9580 0683

Datasheet.Live