



CLE-125-01-G-DV

CLE SERIES

(0,80 mm) .0315"

COST EFFECTIVE MICRO SOCKET

SPECIFICATIONS

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

Insulator Material:

Black Liquid Crystal Polymer

Contact Material:

BeCu

Plating:

Au over 50µ" (1,27 µm) Ni

Current Rating (CLE/FTE):

2.7 A per pin

(1 pin powered per row)

Operating Temp Range:

-55°C to +125°C

Contact Resistance:

15 mΩ

Insertion Depth:

Top Entry = (1,73 mm) .068"

to (3,18 mm) .125" with

(0,38 mm) .015" wipe, or

pass-through

Bottom Entry = (3,23 mm) .127"

minimum plus

board thickness

Insertion Force:

(Single contact only)

2.0 oz (0,56 N)

Normal Force:

75 grams (0,73 N)

Withdrawal Force:

(Single contact only)

1.2 oz (0,33 N)

Max Cycles:

100 with 10µ" (0,25 µm) Au

RoHS Compliant:

Yes

Processing:

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0,10 mm) .004" max (04-65)

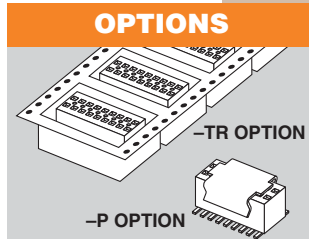
(0,15 mm) .006" max (66-90)

Mates with:
FTE, AW



Ideal for
pass-through
applications

OPTIONS



(0,80 mm) .0315"
micro pitch

Surface
Mount

CLE

1

NO. PINS
PER ROW

01

PLATING
OPTION

DV

OPTIONS

04 thru 90

-G

= 10µ" (0,25 µm) Gold

-A

= Alignment Pin
(4 positions minimum)
Metal or plastic at
Samtec discretion.

-K

= (3,50 mm) .138" DIA
Polyimide film
Pick & Place Pad
(8 positions minimum)

-P

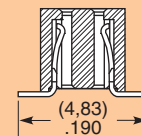
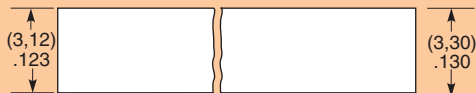
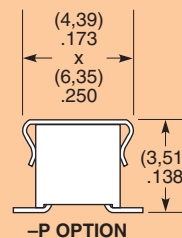
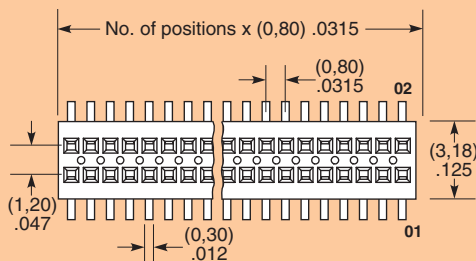
= Metal Pick &
Place Pad
(8 positions minimum)

-TR

= Tape & Reel
Packaging

RECOGNITIONS

For complete scope of
recognitions see
www.samtec.com/quality



TAPE & REEL AVAILABILITY

No tooling charges.
Minimum order is the lesser of
a full reel quantity or 125 pieces.
Order any quantity above minimum.
In-house design, manufacture.
Quick turn-around.

Call Samtec for specifications
and ordering information.

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

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

WWW.SAMTEC.COM

SAMTEC USA • Tel: +1-800-SAMTEC-9 or +1-812-944-6733 SAMTEC NORTHERN CALIFORNIA • Tel: +1-408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: +1-800-726-8329
SAMTEC SOUTH AMERICA • Tel: +55 31 3786 3227 SAMTEC UNITED KINGDOM • Tel: +44 01236 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0
SAMTEC FRANCE • Tel: +33 1 60 95 06 60 SAMTEC ITALY • Tel: +39 039 6890337 SAMTEC NORDIC/BALTIC • Tel: +46 8 4477280 SAMTEC BENELUX • Tel: +44 01236 739292
SAMTEC ISRAEL • Tel: +972 3 7526600 SAMTEC INDIA • Tel: +91 80 3272 1612 SAMTEC ANZ • Tel: +613 9580 0683 SAMTEC SINGAPORE • Tel: +65 6745 5955 SAMTEC JAPAN • Tel: +81 45 475 1385
SAMTEC SHANGHAI • Tel: +86 21 6083 3766 SAMTEC SHENZHEN • Tel: +86 755 83776780 SAMTEC TAIWAN • Tel: +886 2 2735 6109 SAMTEC HONG KONG • Tel: +852 26904658 SAMTEC KOREA • Tel: +82 31 717 5685