

(0,80 mm) .0315"

CLE SERIES

CLE-130-01-G-DV

CLE-108-01-G-DV

CLE-125-01-G-DV

# COST EFFECTIVE MICRO SOCKET

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?CLE](http://www.samtec.com?CLE)

### Insulator Material:

Black Liquid Crystal Polymer

### Contact Material:

BeCu

### Plating:

Au over 50µ" (1,27 µm) Ni

### 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

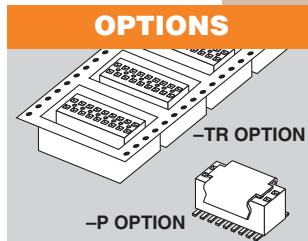
### RoHS Compliant:

Yes



Mates with:  
FTE, AW

## OPTIONS



Ideal for  
pass-through  
applications

(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

### CURRENT RATING (PER CONTACT)

| AMBIENT<br>TEMP | FTE/CLE |
|-----------------|---------|
| 20°C            | 3.1A    |
| 40°C            | 2.8A    |
| 60°C            | 2.4A    |
| 95°C            | 1.6A    |

6 POSITIONS (2x3) POWERED

### Processing:

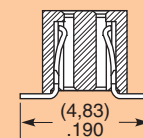
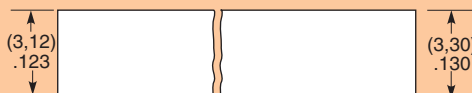
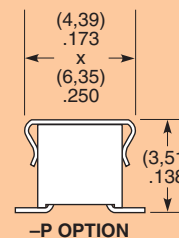
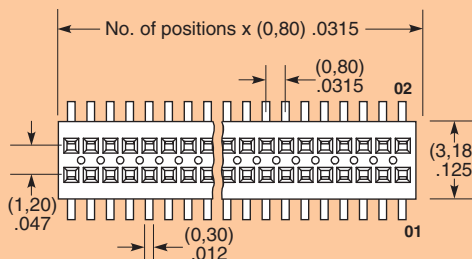
Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

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

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



## 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](http://WWW.SAMTEC.COM)

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