

Surface
SMT
Mount

(0,80mm) .0315" SOCKET CLE SERIES

SPECIFICATIONS

For complete specifications see www.samtec.com?CLE

Insulator Material:

Black Liquid Crystal Polymer

Contact Material:

Beryllium Copper

Current Rating:

.75A @ 80°C ambient

Operating Temp Range:

-65°C to +125°C

Plating:

Au over 50μ" (1,27μm) Ni

Contact Resistance:

15m max (initial)

Insertion Depth:

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

to (3,18mm) .125" with

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

pass-through

Bottom Entry = (3,23mm)

.127" minimum plus

board thickness

Insertion Force:

(Single contact only)

2.0oz (0,56N)

Normal Force:

75 grams (0,73N)

Withdrawal Force:

(Single contact only)

1.2oz (0,33N)

Max Cycles:

100 with 10μ" (0,25μm) Au

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

Processing:

Max Processing Temp:

230°C for 60 seconds

SMT Lead Coplanarity:

(0,10mm) .004" max (05-65)

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

Suggested Paste Thickness:

For most applications add

(0,05mm) .002" to max SMT

lead coplanarity

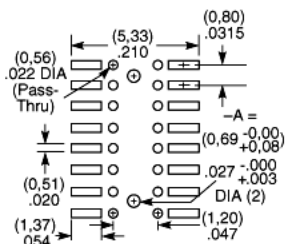
Suggested PCB Layouts:

For reference only. Please

contact Samtec or go to

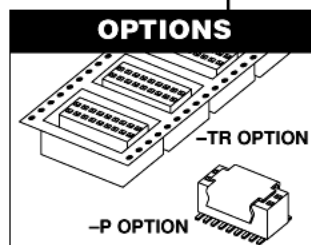
www.samtec.com?CLE for

recommended PCB layout.



Board fixturing may be required to assure proper alignment for pass-through applications.

Mates with:
FTE, AW

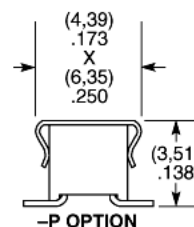
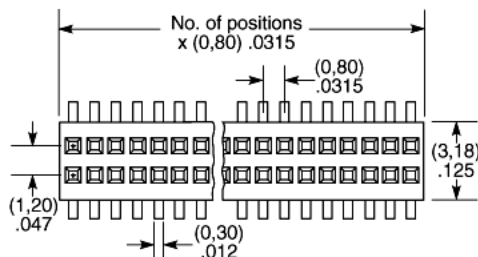
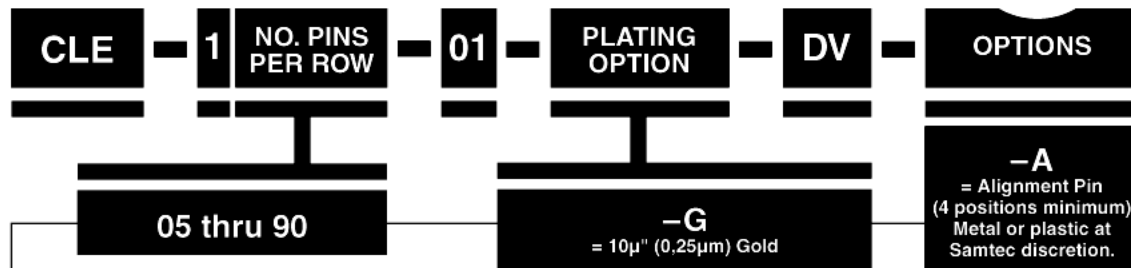


(0,80mm) .0315" micro pitch

Ideal for pass-through applications

Surface Mount

COST SAVING SOLUTIONS
FLEX MOLD



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

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

-P
= Metal Pick &
Place Pad
(8 positions minimum)

-TR
= Tape & Reel
Packaging

TAPE & REEL AVAILABILITY

No tooling charges.
125 piece minimum order.
Order any quantity above minimum.
In-house design, manufacture.
Quick turn-around.
Call Samtec for specifications
and ordering information.

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

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