



(2,54 mm) .100"

BCS-110-L-S-DE

BCS-108-L-D-HE

BCS-110-L-S-HE

BCS-112-L-D-PE

BCS-115-L-D-TE

BCS SERIES

# TIGER CLAW™ PASS-THROUGH SOCKET

## Mates with:

TSW, MTSW, HTSW,  
HMTSW, TSS, ZSS,  
DW, EW, ZW, HW, TSM,  
MTLW, PHT

## SPECIFICATIONS

For complete specifications  
see [www.samtec.com?BCS](http://www.samtec.com?BCS)

### Insulator Material:

Black Liquid Crystal Polymer

### Contact Material:

Phosphor Bronze

### Plating:

Au or Sn over

50µ" (1,27 µm) Ni

### Current Rating (BCS/TSW):

4.6 A per pin

(1 pin powered per row)

### Voltage Rating:

475 VAC (-TE/-DE/-PE mated  
with TSM)

450 VAC

(-HE mated with TSW)

### Operating Temp Range:

-55°C to +125°C

### Contact Resistance:

10 mΩ

### Insertion Depth:

(4,34 mm) .171" to  
(7,24 mm) .285" from top,  
(5,64 mm) .222" plus board  
thickness minimum

from bottom. -HE is

(4,34 mm) .171" to

(6,35 mm) .250"

### Insertion Force:

(Single contact only)

5 oz (1,39 N) avg.

(.025" (0,64 mm) SQ pin)

### Withdrawal Force:

(Single contact only)

3 oz (0,83 N) avg.

(.025" (0,64 mm) SQ pin)

### RoHS Compliant:

Yes

### Lead-Free Solderable:

Yes

## RECOGNITIONS

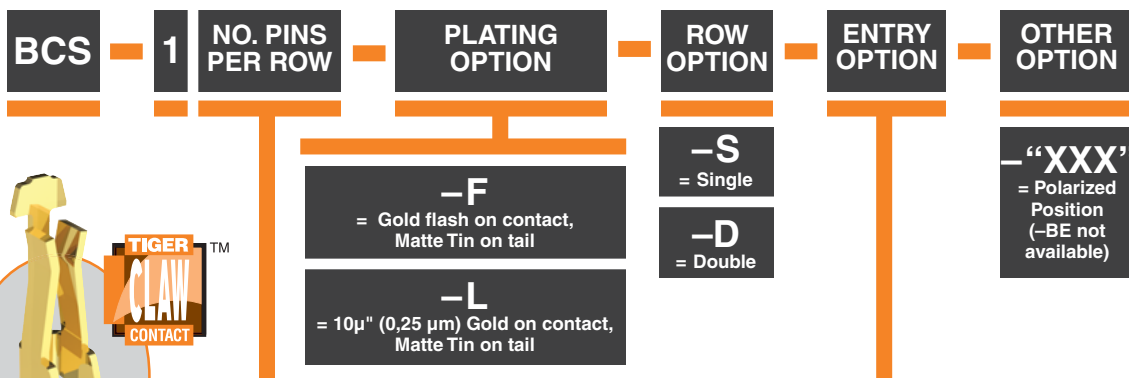
For complete scope  
of recognitions see  
[www.samtec.com/quality](http://www.samtec.com/quality)



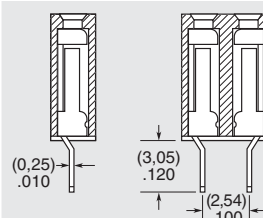
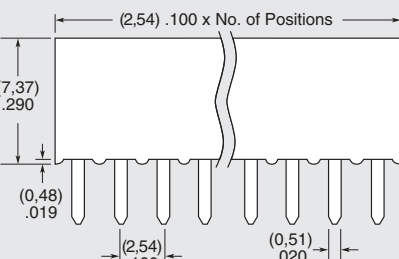
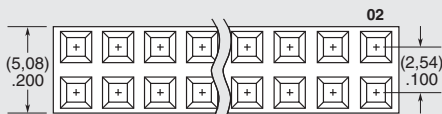
## ALSO AVAILABLE (MOQ Required)

- Other platings  
Contact Samtec.

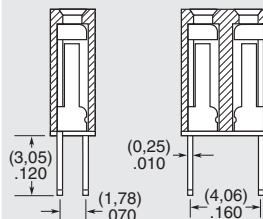
**Note:** Some lengths, styles  
and options are non-standard,  
non-returnable.



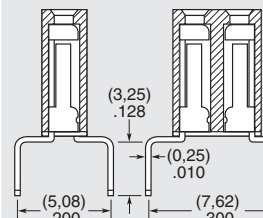
## 01 thru 50



**—TE**  
= Top  
Entry

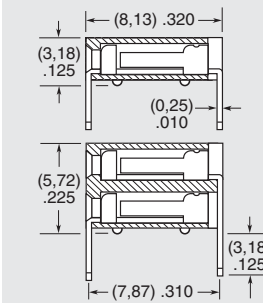
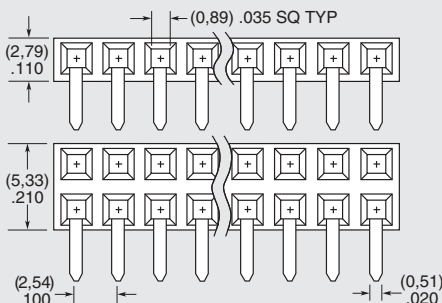
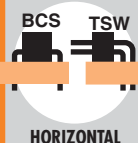


**—DE**  
= Top Entry  
(For Bottom  
Entry specify  
-DE-BE)  
Cannot be  
used with plated  
through-holes



**—PE**  
= Pass-  
Through  
Entry  
(For Bottom  
Entry specify  
-PE-BE)

## APPLICATIONS



**—HE**  
= Horizontal  
Entry