

# BOX CONNECTOR STRIPS BCS SERIES

## 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" (1,27µm) Ni

### Current Rating:

3A @ 80°C ambient

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

4A @ 80°C ambient

(-HE mated with TSW-D)

### 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 max

### Insertion Depth:

(4,34mm) .171" to (6,55mm) .285" from top,

(5,64mm) .222" plus board thickness minimum

from bottom. -HE is

(4,34mm) .171" to (6,35mm) .250"

### Insertion Force:

(Single contact only) 5oz

(1,39N) avg (.025"

(0,64mm) SQ pin)

### Withdrawal Force:

(Single contact only) 3oz

(0,83N) avg (.025"

(0,64mm) SQ pin)

### Processing:

#### Max Processing Temp:

230°C for 60 seconds, or

260°C for 20 seconds 3x

#### Lead-Free Solderable:

Yes

BCS

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NO. PINS PER ROW

PLATING OPTION

ROW OPTION

ENTRY OPTION

OTHER OPTION

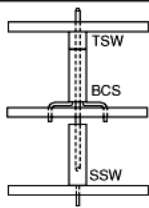
### Mates with:

TSW, MTSW, TSS,

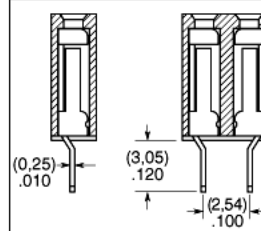
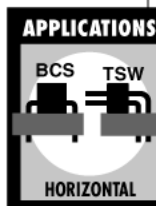
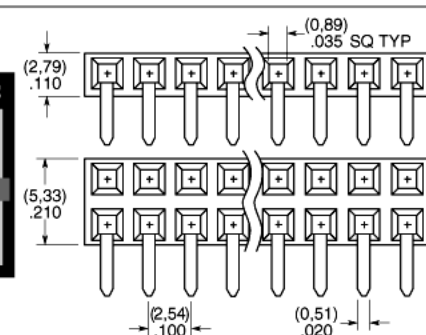
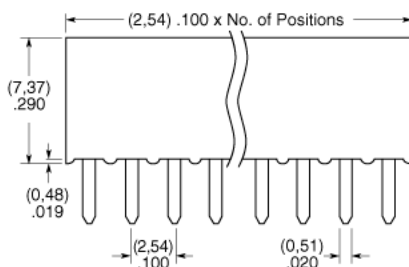
ZSS, DW, EW, ZW,

HW, TSM, MTLW

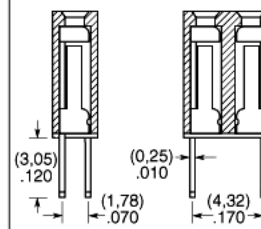
## APPLICATION



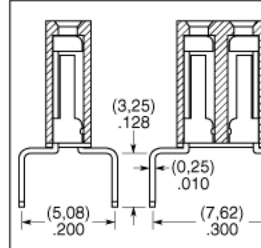
## 01 thru 50



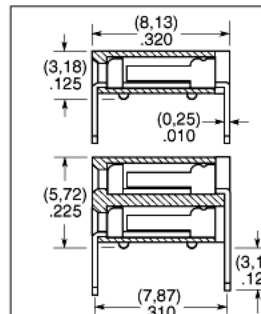
-TE  
= Top Entry



-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)



-HE  
= Horizontal Entry

**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.

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