

# 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 (7,24mm) .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)

### RoHS Compliant:

Yes

### Processing:

Max Processing Temp:

230°C for 60 seconds, or 260°C for 20 seconds 3x

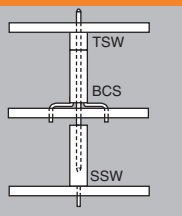
Lead-Free Solderable:

Yes

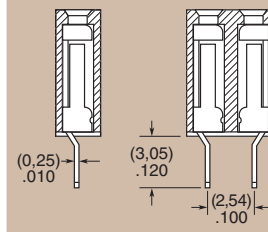
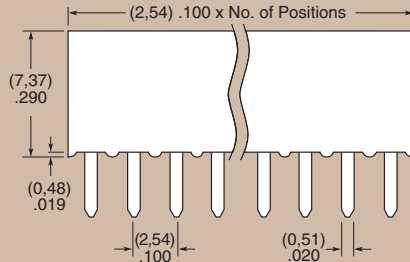
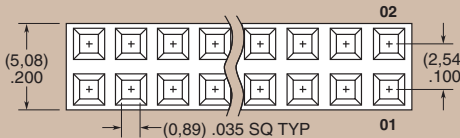


BCS	1	NO. PINS PER ROW	PLATING OPTION	ROW OPTION	ENTRY OPTION	OTHER OPTION
			-L = 10µ" (0,25µm) Gold on contact, Matte Tin on tail	-S = Single  -D = Double		-“XXX” = Polarized Position (-BE not available)

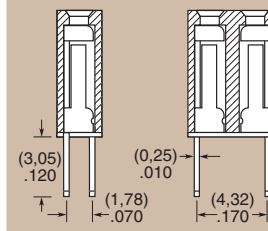
## APPLICATION



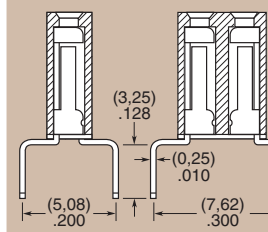
## 01 thru 50



**-TE**  
= Top Entry

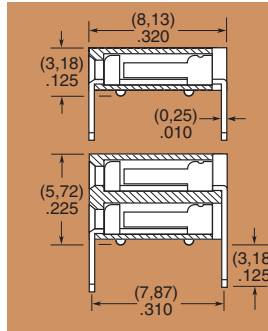
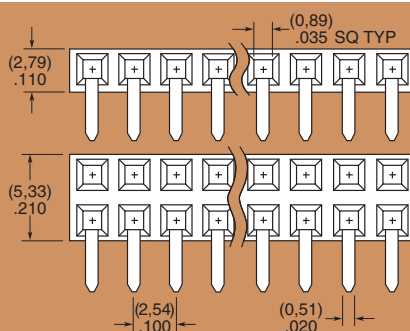
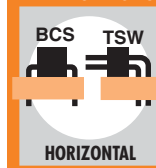


**-DE**  
= Top Entry  
(For Bottom Entry specify -DE-BE)  
Cannot be used with plated through-holes



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

## APPLICATIONS



**-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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