

BOX CONNECTOR STRIPS BCS SERIES

SPECIFICATIONS

For complete specifications see 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

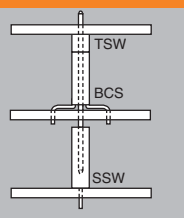
Processing:

Max Processing Temp: 230°C for 60 seconds, or 260°C for 20 seconds 3x

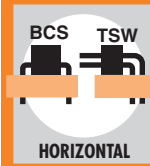
Lead-Free Solderable: Yes

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		-“XX” = Polarized Position (-BE not available)

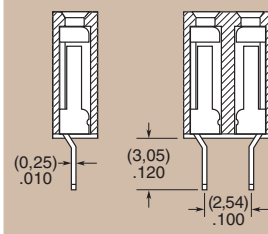
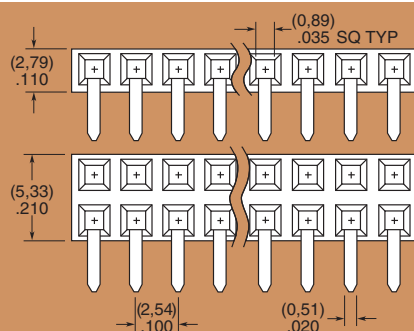
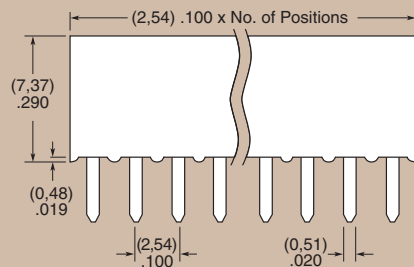
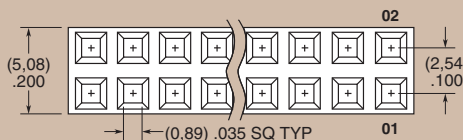
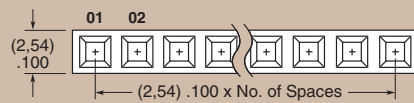
APPLICATION



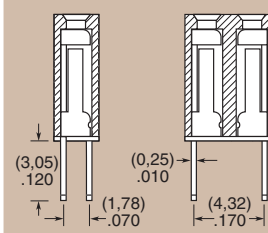
APPLICATIONS



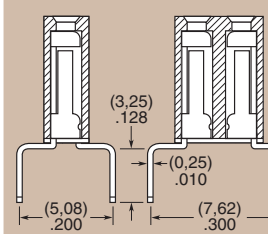
01 thru 50



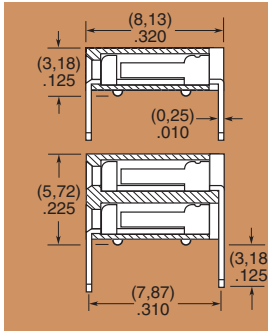
-TE
= Top Entry



-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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