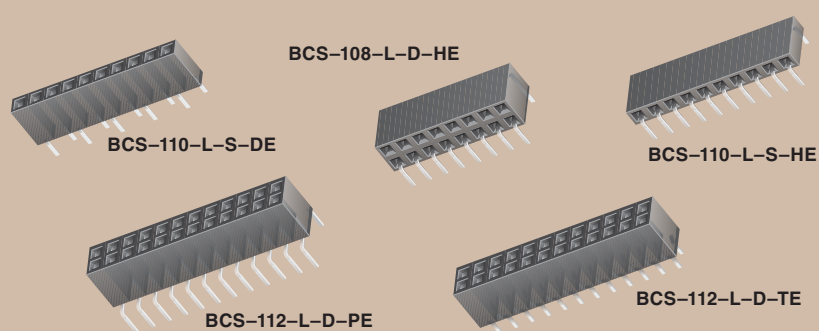




BOX CONNECTOR STRIPS BCS SERIES

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 ROWPLATING
OPTIONROW
OPTIONENTRY
OPTIONOTHER
OPTION

Mates with:
TSW, MTSW, TSS,
ZSS, DW, EW, ZW,
HW, TSM, MTLW

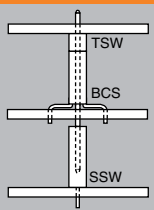
-L
= 10μ" (0,25μm)
Gold on contact,
Matte Tin on tail

-S
= Single

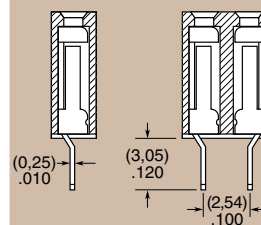
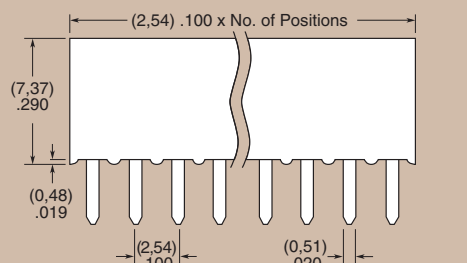
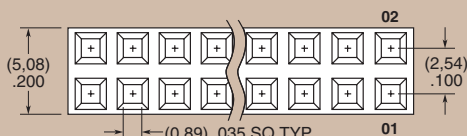
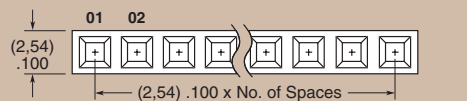
-D
= Double

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

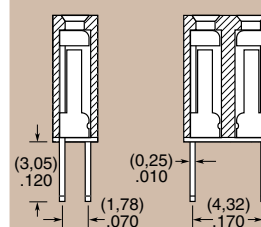
APPLICATION



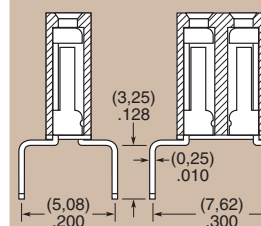
01 thru 50



-TE
= Top
Entry

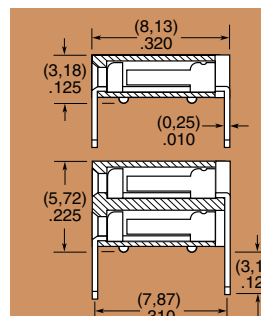
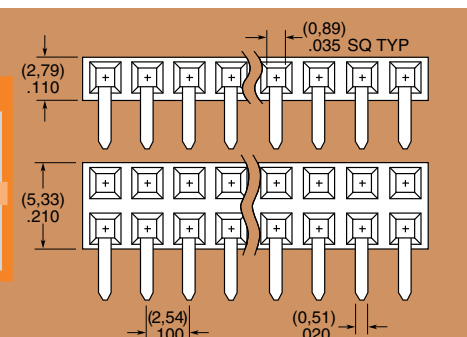


-DE
= Top Entry
(For Bottom
Entry specify
-DE-BE)
Cannot be
used with plated
through-holes



-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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