

BCS SERIES

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

For complete specifications
see www.samtec.com?BCS

Insulator Material:
Black Liquid Crystal Polymer
Contact Material:
Phosphor Bronze

Plating:
Au or Sn over

Au or Sn over
50μ" (1,27 μm) Ni

Current Rating (BCS/TSW):
4.6 A max pin

4.6 A per pin
(1 pin powered per row)

Voltage Rating:
475 VAC / T5 / D5 / D5 mate

475 VAC (-TE/-DE/-PE mated
with TSM)450 VAC
(LINE TO LINE WITH TCM)

Operating Temp Range:

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

from bottom. —HE IS
(4,34 mm) .171" to

Insertion Force:

Insertion Force:
(Single contact only)

5 oz (1,39 N) avg.
(.025" (0.64 mm) SQ pin)

Withdrawal Force:

Withdrawal Fee:
(Single contact only)
\$ 25 (0.00 M) per

3 oz (0,83 N) avg.
(.025" (0.64 mm) SQ pin)

RoHS Compliant:

Yes
Lead-Free Solderable:

Lead-Free Solderable.
Yes

For complete scope
of recognitions see
www.samtec.com/quality

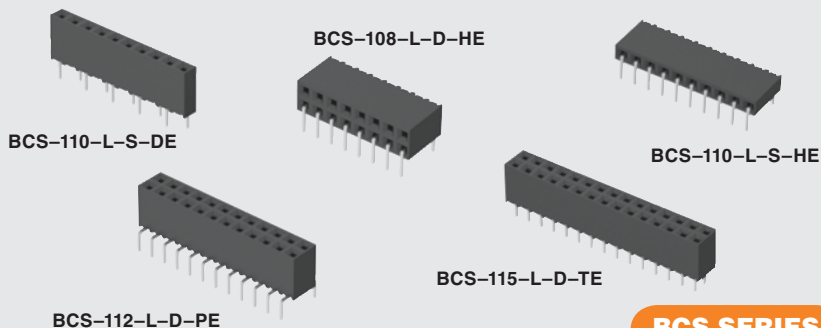


- Other platings

Contact Samtec.

Diagram illustrating the horizontal connection between the BCS (Base Control System) and the TSW (Terminal Switching Unit) components. The BCS is connected to the TSW via a horizontal line, and the TSW is connected to the BCS via a horizontal line.

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



BCS – **1** – **NO. PINS PER ROW** – **PLATING OPTION** – **ROW OPTION** – **ENTRY OPTION** – **OTHER OPTION**

PLATING OPTION

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

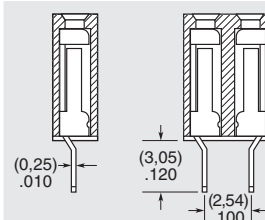
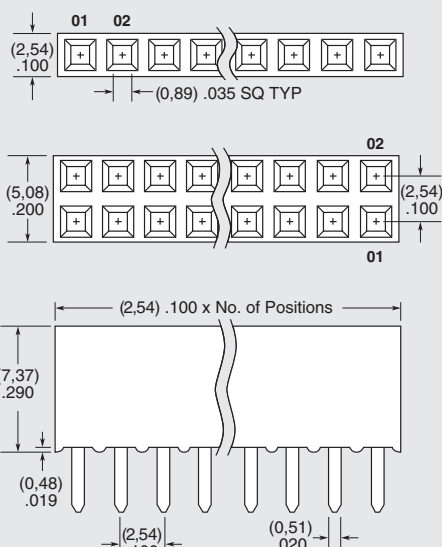
ROW OPTION

- S = Single
- D = Double

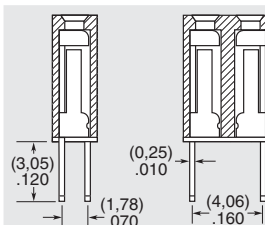
OTHER OPTION

- “XXX” = Polarized Position (–BE not available)

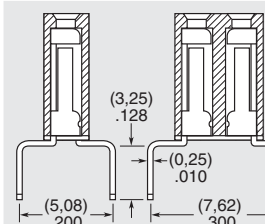
01 thru 50



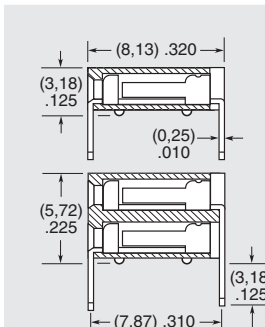
-TE
= Top Entry



–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

WWW.SAMTEC.COM

Due to technical progress, all designs, specifications and components are subject to change without notice.