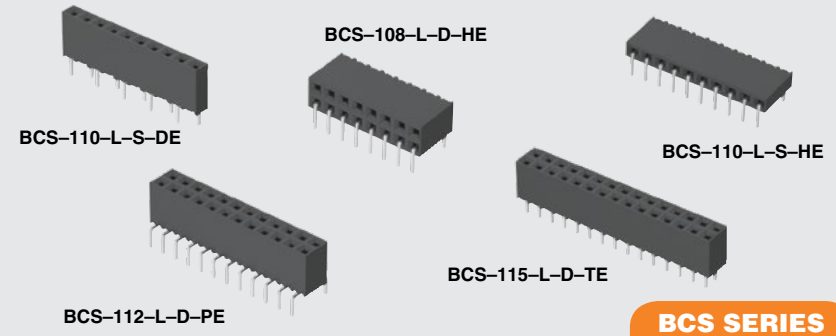
samtec

10 YEAR MFG WITH 30 µ" GOLD
EXTENDED LIFE PRODUCT
HIGH MATING CYCLES



(2.54 mm) .100"

BCS SERIES

TIGER CLAW™ PASS-THROUGH SOCKET

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

SPECIFICATIONS

For complete specifications see www.samtec.com?BCS

Insulator Material:
Black Liquid Crystal Polymer
Contact Material:
Phosphor Bronze
Plating:
Au or Sn over
50 µ" (1.27 µm) Ni
Current Rating (BCS/TSW):
4.6 A per pin
(2 pins powered)
Voltage Rating:
475 VAC
(-TE/-DE/-PE mated with TSM)
450 VAC
(-HE mated with TSW)
Operating Temp Range:
-55 °C to +125 °C
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 (4.34 mm) .171" to (6.35 mm) .250"
RoHS Compliant:
Yes
Lead–Free Solderable:
Yes

RECOGNITIONS

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

FILE NO. E111594

ALSO AVAILABLE
(MOQ Required)

- Other platings

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
= 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail

ROW OPTION

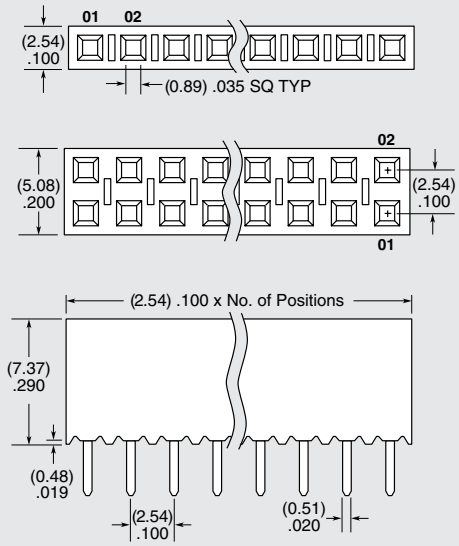
–S
= Single

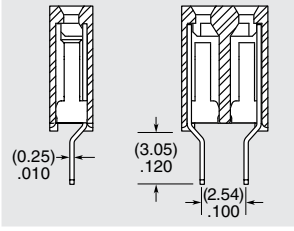
–D
= Double

OTHER OPTION

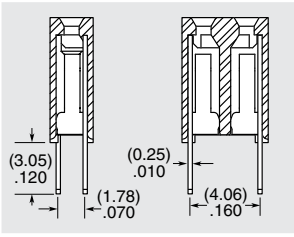
–"XXX"
= Polarized Position (–BE not available)

01 thru 50

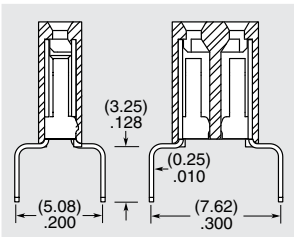




–TE
= Top Entry

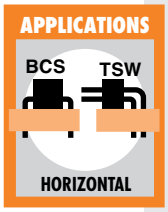


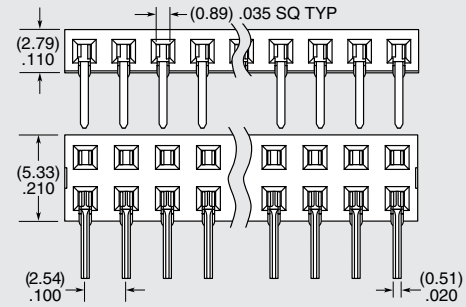
–DE
= Top Entry (For Bottom Entry specify –DE–BE) Cannot be used with plated through-holes

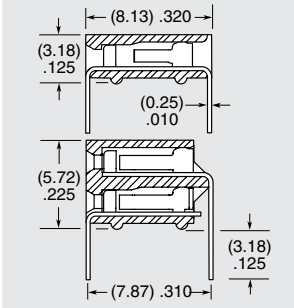


–PE
= Pass-through Entry (For Bottom Entry specify –PE–BE)

APPLICATIONS







–HE
= Horizontal Entry

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

All parts within this catalog are built to Samtec's specifications.
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.