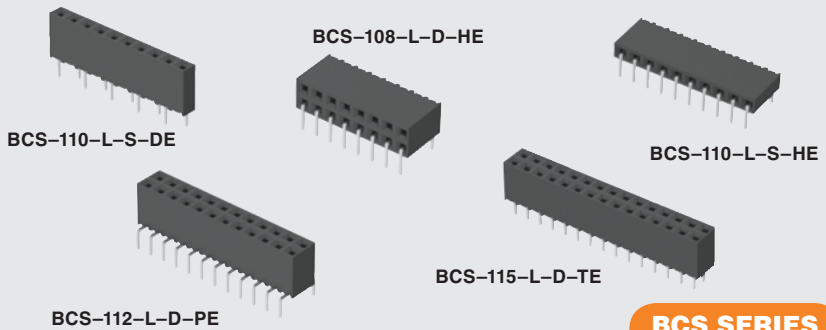
samtec

E.L.P.™
EXTENDED LIFE PRODUCT
10 year Mixed Flowing Gas with 30µ" Gold
Call Samtec for maximum mated 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
50µ" (1,27 µm) Ni
Current Rating (BCS/TSW):
4.6 A per pin
(1 pin powered per row)
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
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"
Insertion Force:
(Single contact only)
5 oz (1,39 N) avg.
(.025" (0,64 mm) SQ pin)
Withdrawal Force:
(Single contact only)
3 oz (0,83 N) avg.
(.025" (0,64 mm) SQ pin)
RoHS Compliant:
Yes
Lead–Free Solderable:
Yes

RECOGNITIONS

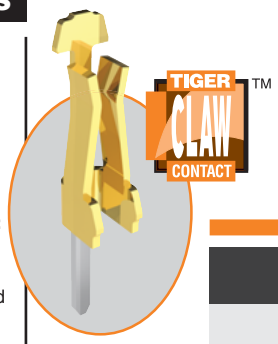
For complete scope of recognitions see www.samtec.com/quality

FILE NO. E111594
FILE NO: 090871_0_000

ALSO AVAILABLE (MOQ Required)

- Other platings
  Contact Samtec.

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



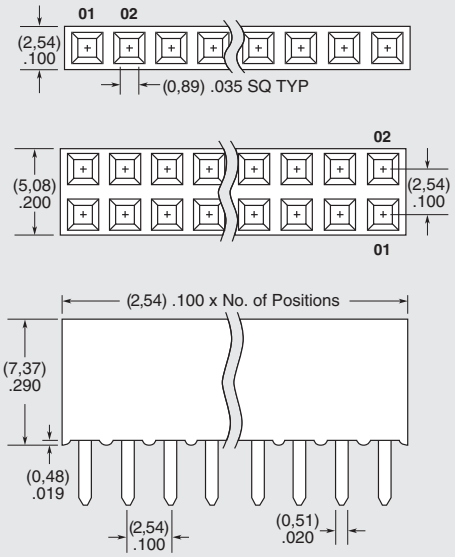
BCS	–	1	NO. PINS PER ROW	–	PLATING OPTION	–	ROW OPTION	–	ENTRY OPTION	–	OTHER OPTION

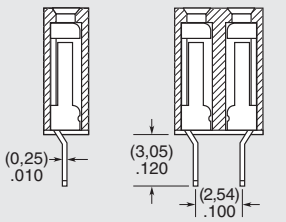
PLATING OPTION
- **–F** = Gold flash on contact, Matte Tin on tail
- **–L** = 10µ" (0,25 µm) Gold on contact, Matte Tin on tail

ROW OPTION
- **–S** = Single
- **–D** = Double

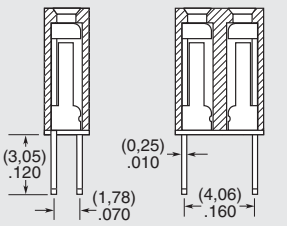
OTHER OPTION
- **–"XXX"** = Polarized Position (–BE not available)

01 thru 50

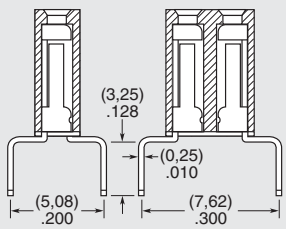




–TE = Top Entry

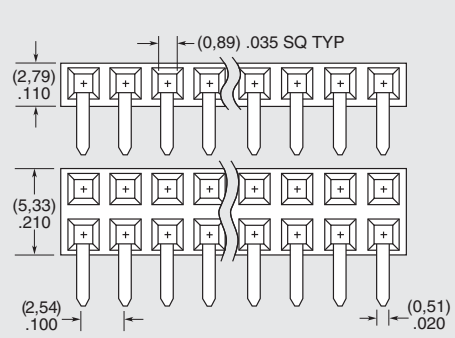


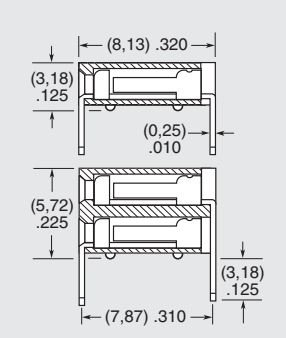
–DE = Top Entry (For Bottom Entry specify –DE–BE) Cannot be used with plated through-holes



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

APPLICATIONS
BCS TSW
HORIZONTAL





–HE = Horizontal Entry

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