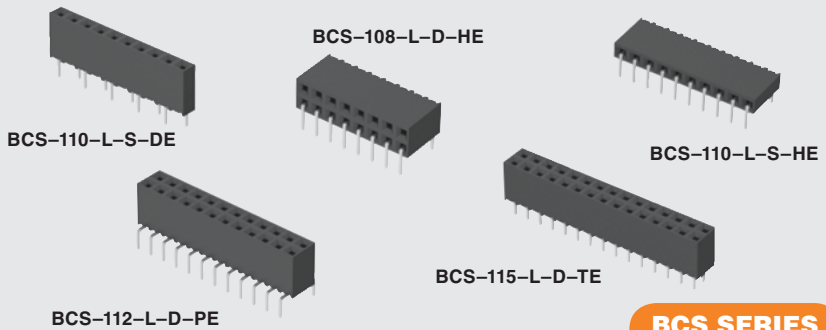
samtec

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

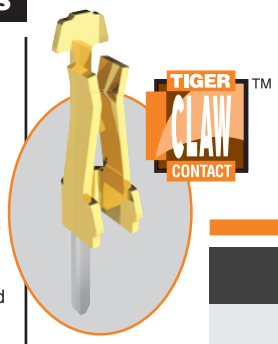
For complete scope of recognitions see www.samtec.com/quality

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.



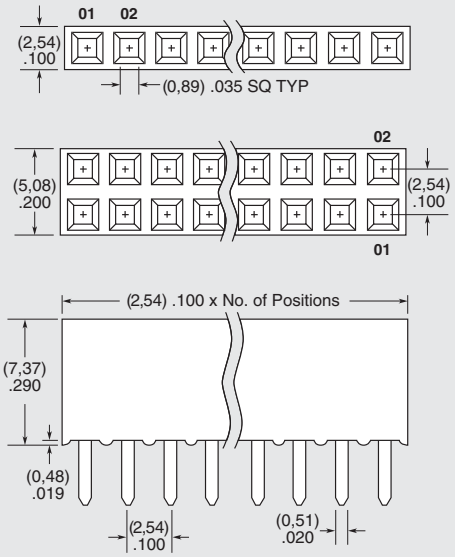

| BCS | – | 1 | NO. PINS PER ROW | – | PLATING OPTION | – | ROW OPTION | – | ENTRY OPTION | – | OTHER OPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|

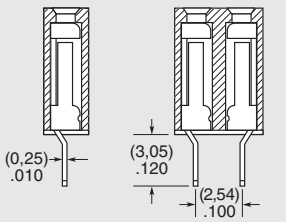
**PLATING OPTION**
- **–F** = Gold flash on contact, Matte Tin on tail
- **–L** = 10µ" (0,25 µm) Gold on contact, Matte Tin on tail

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

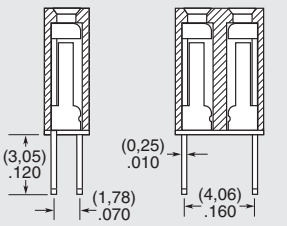
**OTHER OPTION**
- **–"XXX"** = Polarized Position (–BE not available)

### 01 thru 50

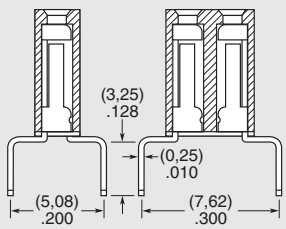



**–TE** = Top Entry

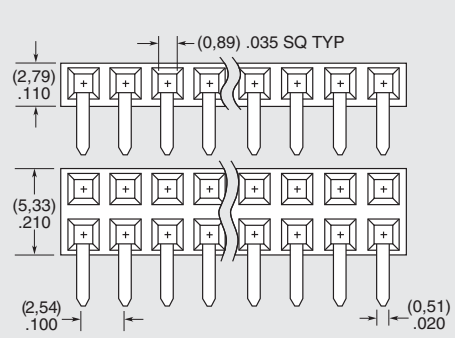


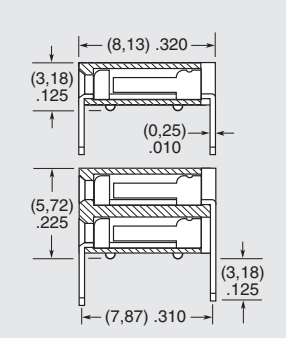

**–DE** = Top Entry (For Bottom Entry specify –DE–BE) Cannot be used with plated through-holes




**–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.*