

samtec

Surface
SMT
Mount

1mm POLARIZED SOCKET BKS SERIES

SPECIFICATIONS

For complete specifications see www.samtec.com/BKS

Insulator Material:

Black LCP

Contact Material:

Phosphor Bronze

Current Rating:

1.5A @ 80°C ambient

Operating Temp Range:

-65°C to +125°C

Plating:

Au over 50µ" (1,27µm) Ni

Contact Resistance:

15 m max

Insertion Depth:

(1,40mm) .055" minimum

Insertion Force:

(Single contact only)

1.5oz (0,42N) average

Normal Force:

40 grams (0,39N) average

Withdrawal Force:

(Single contact only)

.75oz (0,20N) average

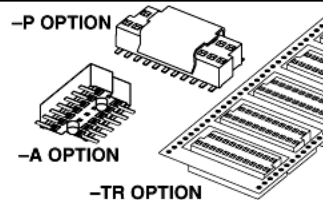
Max Cycles:

100 with 10µ" (0,25µm) Au

Mates with:
BKT



OPTIONS



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

High reliability
Tiger-Claw contacts

(1,00mm) .03937" micro pitch

Polarization for positive mating

Replaces blade-and-leaf style connectors with pin and socket system

Surface Mount

Processing:

Max Processing Temp:

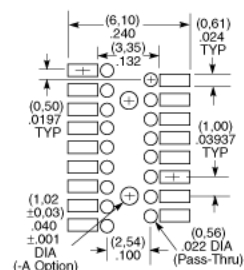
230°C for 60 seconds

SMT Lead Coplanarity:

(0,10mm) .004" max

Suggested PCB Layouts:

For reference only. Please contact Samtec or go to www.samtec.com/BKS for recommended PCB layout.



Board fixturing may be required to assure proper alignment for pass-through applications.

TAPE & REEL AVAILABILITY

No tooling charges.
125 piece minimum order.
Order any quantity above minimum.
In-house design, manufacture.
Quick turn-around.

Call Samtec for specifications and ordering information.

BKS	1	NO. OF POSITIONS	01	PLATING OPTION	V	OPTIONS
07 thru 69 (Odd lead counts only)			- L = Pre-plated 10µ" (0,25µm) Gold contact, Tin on tail - F = Pre-plated Gold flash on contact, Tin on tail		- A = Alignment Pin (Metal or plastic at Samtec discretion) (11 positions minimum) - P = Pick and Place Pad (13 positions minimum) Not always necessary for auto placement. See Flex Processing. - TR = Tape & Reel Packaging	