

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

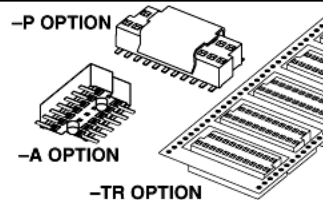
Max Cycles:

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:

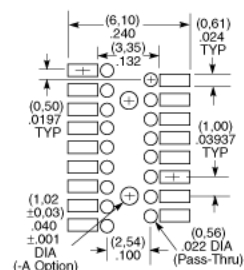
230°C for 60 seconds

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																			
APPLICATIONS <table border="1"> <thead> <tr> <th>Terminal Strip</th> <th>Socket Strip</th> <th>Board Space</th> </tr> </thead> <tbody> <tr> <td>BKT-1XX-01-X-V</td> <td>BKS-1XX-01-X-V</td> <td>(4,14) .163</td> </tr> <tr> <td>BKT-1XX-02-X-V</td> <td>BKS-1XX-01-X-V</td> <td>(4,50) .177</td> </tr> <tr> <td>BKT-1XX-03-X-V</td> <td>BKS-1XX-01-X-V</td> <td>(5,00) .197</td> </tr> <tr> <td>BKT-1XX-04-X-V</td> <td>BKS-1XX-01-X-V</td> <td>(6,00) .236</td> </tr> <tr> <td>BKT-1XX-05-X-V</td> <td>BKS-1XX-01-X-V</td> <td>(7,00) .276</td> </tr> </tbody> </table>							Terminal Strip	Socket Strip	Board Space	BKT-1XX-01-X-V	BKS-1XX-01-X-V	(4,14) .163	BKT-1XX-02-X-V	BKS-1XX-01-X-V	(4,50) .177	BKT-1XX-03-X-V	BKS-1XX-01-X-V	(5,00) .197	BKT-1XX-04-X-V	BKS-1XX-01-X-V	(6,00) .236	BKT-1XX-05-X-V	BKS-1XX-01-X-V	(7,00) .276
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Due to technical progress, all designs, specifications and components are subject to change without notice.

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