

0.375" PITCH SERIES PSB

PHYSICAL PROPERTIES

Housing

HOUSING MATERIAL: Noryl
 COLOR: Black
 FLAMMABILITY: UL94V-0

Terminal

PC CONTACT: Phosphor Bronze with Bright Tin or Gold over Nickel plating
 SCREW CONTACT: Phosphor Bronze with Bright Tin or Gold over Nickel plating
 SCREW: steel with Zinc + Chromate plating
 CLAMP: Brass

Mechanical

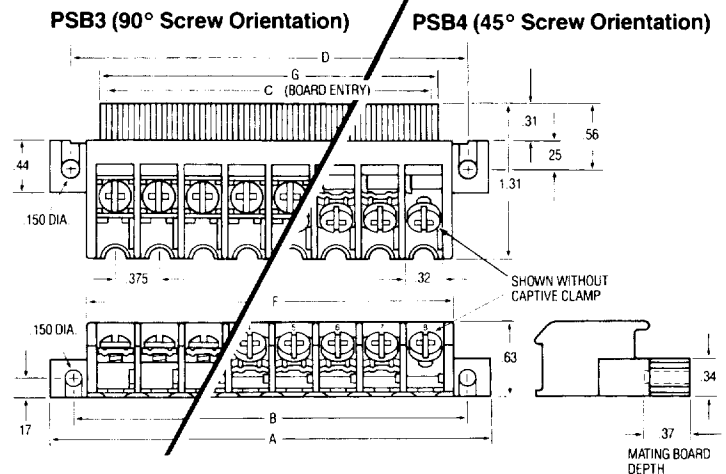
PITCH (TERMINAL SPACING): .375"
 SCREW SIZE: 6-32
 MOUNTING SCREW: #6
 WIRE STRIP LENGTH: .31"
 WIRE LUG WIDTH: .320" (8.1mm)
 RECOMMENDED TIGHTENING TORQUE: 9 in.-lbs.
 RECOMMENDED SCREWDRIVERS: Stanley 1006-4, Sears Craftsman 41581, Any #2 Phillips-Head
 BOARD INSPECTION FORCE (TYP.) PER CKT.: 6 oz. (170g)
 BOARD SEPARATION FORCE (TYP.) PER CKT.: 2 oz. (57g)
 DURABILITY: Passes MIL-C-21097: 500 cycles

ELECTRICAL PROPERTIES

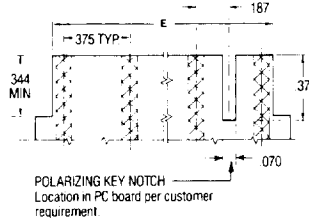
MAXIMUM CURRENT: 10A
 OPERATING VOLTAGE: 300V
 WIRE RANGE: #12-26 AWG
 DIELECTRIC WITHSTAND: 3000V
 INSULATION RESISTANCE: 10¹¹ ohms
 CONTACT RESISTANCE: 5 milliohms

ENVIRONMENTAL PROPERTIES

OPERATING TEMPERATURE RANGE:
 -60°C to +95°C
 (-76°F to +203°F)



Recommended PC Board Layout



Dimensions

NO. OF CIRCUITS	A IN.	B&D IN.	C IN.	E IN.	F IN.	G IN.
06	3.00	2.625	2.000	1.990	2.36	2.16
08	3.75	3.375	2.750	2.740	3.11	2.91
10	4.50	4.125	3.500	3.490	3.86	3.66
12	5.25	4.875	4.250	4.240	4.61	4.41
14	6.00	5.625	5.000	4.990	5.36	5.16
16	6.75	6.375	5.750	5.740	6.11	5.91
18	7.50	7.125	6.500	6.490	6.86	6.66
20	8.25	7.875	7.250	7.235	7.61	7.41
22	9.00	8.625	8.000	7.985	8.36	8.16
24	9.75	9.375	8.750	8.735	9.11	8.91
26	10.50	10.125	9.500	9.485	9.86	9.66
28	11.25	10.875	10.250	10.235	10.61	10.41

Card Edge Connector Systems



Dimensions are shown for reference purposes only.
 Specifications subject to change.

Dimensions are in millimeters and inches unless otherwise specified. Values in brackets are metric equivalents.

Before ordering, see cross reference starting on page 333 for equivalent Tyco Electronics part numbers.

If no equivalent part number is listed, contact the Technical Support Center at 1-800-522-6752.
 www.tycoelectronics.com

0.375" PITCH SERIES PSB (Continued)

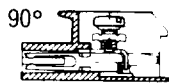
ORDERING INFORMATION

PSB 3 K B 08 S NN NN
A B C D E F G H

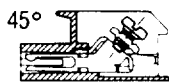
A PSB Printed Circuit Board Connector

B Terminal Screw Orientation

3 = 90°



4 = 45°



C Contact Spacing

K = .375 (3/8)

D Terminal Screw Type

B = #6 Phil-slot binding head screw, bright zinc and chromate plated.

C = #6 Phil-slot steel screw and clamp, bright zinc and chromate plated – Do not order in combination with any other top hardware.

D = #6 Phil-slot copper alloy screw and clamp, nickel plated – Do not order in combination with any other top hardware.

E Number of Circuits

06 through 28 (even numbers only)

F Terminal Plating

(not screw)

A = Gold

S = Bright Tin

G Top Hardware Options

NN = No optional hardware

QUICK-CONNECT BLADES

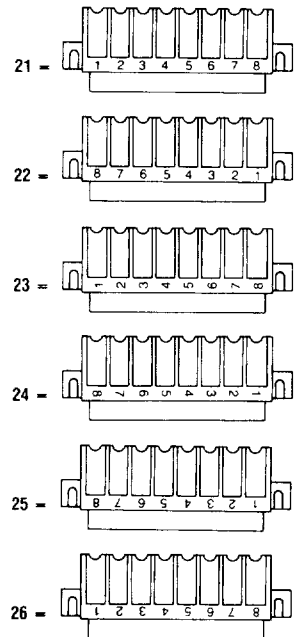
.187 wide	.250 wide	
x.032	x.020	
thick	thick	
21	41=	*
22	42=	*
23	43=	**
24	44=	
25	45=	
29	49=	**
30	50=	**
31	51=	**
34	54=	*
35	55=	
36	56=	*

* PSB4K only
 ** PSB3K only

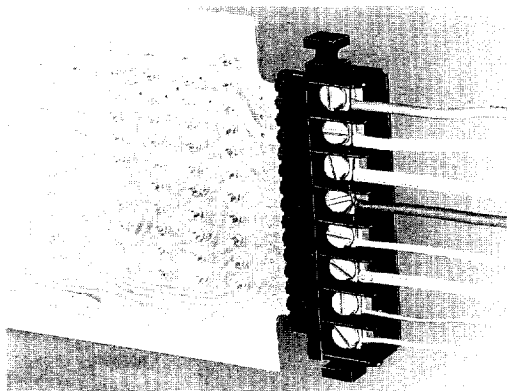
80 = Single-Sided Solder Tab (PSB3K only)

H Circuit Identification Option

NN = No circuit identification



Card Edge Connector Systems



LR25557 E63810