

0.156" PITCH PCB1B SERIES

PHYSICAL PROPERTIES

Housing

HOUSING MATERIAL: Polyester

FLAMMABILITY: UL94V-0

COLOR: Black

Terminal

TUBULAR CONTACT: Brass

PC CONTACT: Phosphor Bronze with Bright Tin or

Gold over Nickel plating

SCREW: Steel with Zinc + Chromate plating

CLAMP: Brass

Mechanical

PITCH (TERMINAL SPACING): .156"

SCREW SIZE: 6-32

MOUNTING SCREW SIZE: #4 or #6

WIRE RANGE: #12 Stranded Only

WIRE STRIP LENGTH: .25"

RECOMMENDED TIGHTENING TORQUE: 5-8 in.-lbs.

RECOMMENDED SCREWDRIVERS: Xcelite R184,

Sears Craftsman 41429, Stanley 1016

BOARD INSERTION FORCE (TYP.) PER CKT.: 5.6 oz.

(160g)

BOARD SEPARATION FORCE (TYP.) PER CKT.: 1.8 oz.

(50g)

DURABILITY: Passes MIL-C-21097: 500 cycles

ELECTRICAL PROPERTIES

MAXIMUM CURRENT: 10A

OPERATING VOLTAGE: 250V

WIRE RANGE: #12 Stranded Only

DIELECTRIC WITHSTAND: 3000V

INSULATION RESISTANCE: 10¹¹ ohms

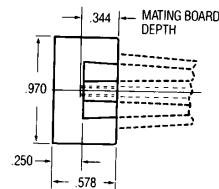
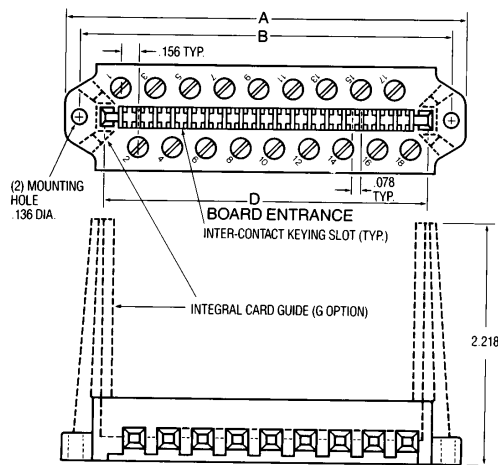
CONTACT RESISTANCE: 6 milliohms

ENVIRONMENTAL PROPERTIES

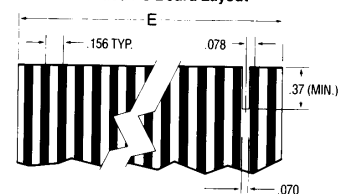
OPERATING TEMPERATURE RANGE:

-65°C to +140°C

(-85°F to +284°F)



Recommended PC Board Layout



POLARIZING KEY NOTCH
Location in PC board per customer requirement.
Order Polarizing Key Catalog No. PC17.

Ordering Information

CATALOG #*	NO. OF CIRCUITS	A	B	C	E
PCB1B06S	06	1.786	1.536	1.100	1.085
PCB1B08S	08	2.098	1.848	1.412	1.397
PCB1B10S	10	2.410	2.160	1.724	1.709
PCB1B12S	12	2.722	2.472	2.036	2.021
PCB1B15S	15	3.190	2.940	2.504	2.489
PCB1B16S	16	3.346	3.096	2.660	2.645
PCB1B18S	18	3.658	3.408	2.972	2.957
PCB1B22S	22	4.282	4.032	3.596	3.581
PCB1B24S	24	4.600	4.344	3.908	3.893
PCB1B28S	28	5.218	4.968	4.544	4.829
PCB1B30S	30	5.530	5.280	4.844	4.829
PCB1B32S	32	5.842	5.592	5.156	5.141
PCB1B36S	36	6.466	6.216	5.780	5.765
PCB1B43S	43	7.558	7.308	6.872	6.857

*NOTE: For optional Gold-over-Nickel plating on contacts (instead of standard bright tin), change the letter "S" of the catalog number to "A."
For optional integral card guides, add the letter "G" to the end of the catalog number.



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BUCHANAN