

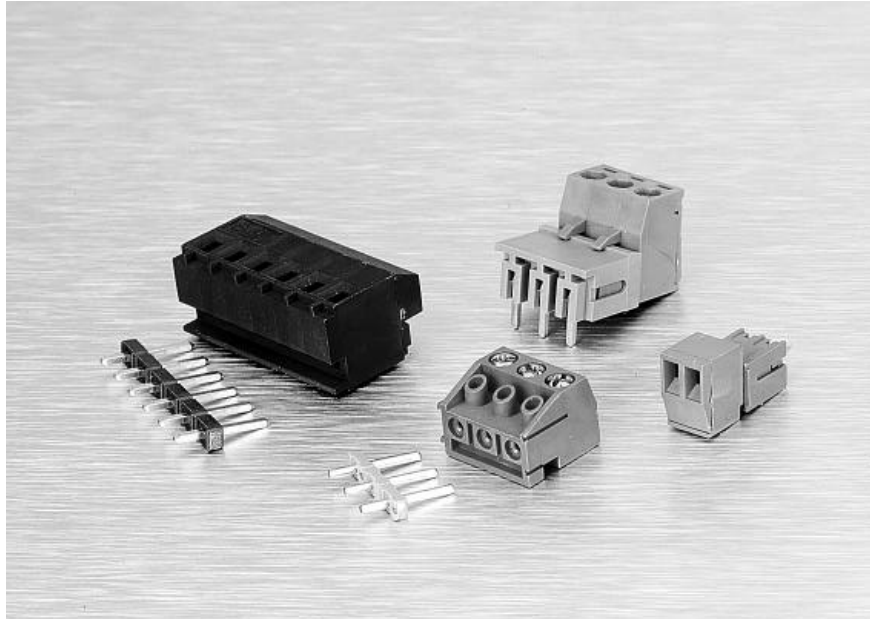
DESCRIPTION/APPLICATION

Designed to European specifications, these two piece blocks provide interconnection between wire and PC board. Wire is terminated at the connector and the header is mounted to the PC board. The pluggable design expedites field servicing and troubleshooting.

DESIGN ADVANTAGES

- Pitches Available:
 - 3,5mm (0.138")
 - 5,0mm (0.197")
 - 5,08mm (0.200")
 - 7,0mm (0.276")
 - 10,0mm (0.394")
 - 10,16mm (0.400")
- Locking fingers provide secure "vibration-proof" connection.
- Mate with either closed-end or open-end shrouded headers.
- Available in two connection styles:
 - Cage clamp for superior connection.
 - Wire protection for economical designs.
- Vertical, horizontal, or universal mounting.
- Optional press-on coding key and polarizing clip system for B52 series. Polarized feature of connector and header allows for varied applications.
- UL94V-0 rated thermoplastic insulator housing.
- Gold and silver plated terminals available in addition to standard tin plating.
- Terminal marking available.
- Shrouded headers provide increased circuit isolation with 4 sided barrier protection.

TWO PIECE / PLUGGABLE CONNECTORS



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5,08MM FLUSH-MOUNT PLUG-IN CONNECTORS WITH CAGE CLAMP SERIES B51C8

PHYSICAL PROPERTIES:

Housing:

HOUSING MATERIAL: Polyamide, Type 6/6

FLAMMABILITY: UL94V-0

COLOR: Blue

Terminal:

WIRE ENTRY CONTACT AND SPRING: Phosphor bronze, tin plated

WIRE CAGE: Hardened steel, zinc plated, yellow chromate treated

SCREW: M2,5 x 6,2mm, steel, zinc plated, clear chromate treated

Mechanical:

PITCH (TERMINAL SPACING): 5,08mm and 10,16mm

MOUNTING: Universal (vertical & horizontal)

WIRE STRIP LENGTH: 6,4mm

RECOMMENDED TIGHTENING TORQUE: 0.5Nm (4.4 in-lbs)

ELECTRICAL PROPERTIES:

MAXIMUM CURRENT: 15A

OPERATING VOLTAGE: 300V (5,08mm)
600V (10,16mm)

WIRE RANGE: 12-30 AWG

DIELECTRIC WITHSTAND: 2200V (5,08mm)
4000V (10,16mm)

ENVIRONMENTAL PROPERTIES:

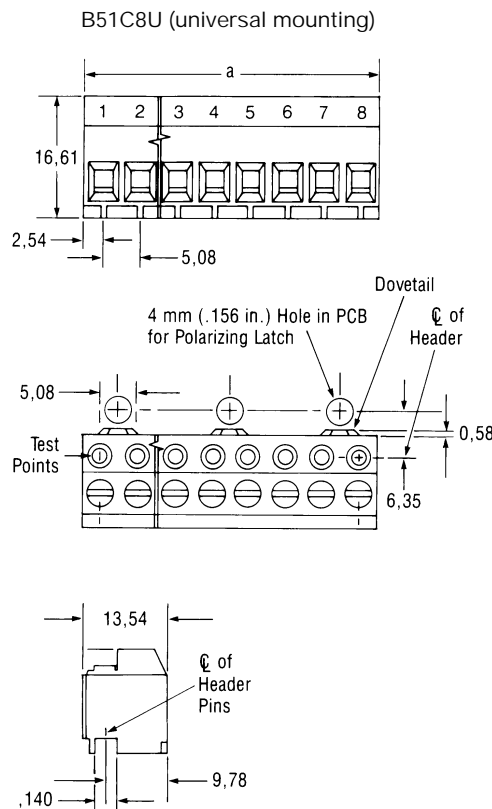
OPERATING TEMPERATURE RANGE: -60°C to +105°C



5,08mm and 10,16mm Pitch

Ordering Information

# OF TERMINALS	5,08MM UNIVERSAL	10,16MM UNIVERSAL
2	B51C8U02T	B51C9U02T
3	B51C8U03T	B51C9U03T
4	B51C8U04T	B51C9U04T
5	B51C8U05T	B51C9U05T
6	B51C8U06T	B51C9U06T
7	B51C8U07T	B51C9U07T
8	B51C8U08T	B51C9U08T
9	B51C8U09T	B51C9U09T
10	B51C8U10T	B51C9U10T
11	B51C8U11T	B51C9U11T
12	B51C8U12T	B51C9U12T
13	B51C8U13T	—
14	B51C8U14T	—
15	B51C8U15T	—
16	B51C8U16T	—
17	B51C8U17T	—
18	B51C8U18T	—
19	B51C8U19T	—
20	B51C8U20T	—
21	B51C8U21T	—
22	B51C8U22T	—
23	B51C8U23T	—
24	B51C8U24T	—



5,08MM FLUSH-MOUNT HEADERS (FOR SERIES B51C8 CONNECTORS) SERIES B71N8

PHYSICAL PROPERTIES:

Housing:

HOUSING MATERIAL: Liquid crystal polymer

FLAMMABILITY: UL94V-0

COLOR: Brown

PIN: Phospor bronze, tin plated

Mechanical:

PITCH (PIN SPACING): 5,08mm and 10,16mm

RECOMMENDED PCB HOLE DIA.: 1,7mm

ELECTRICAL PROPERTIES:

MAXIMUM CURRENT: 15A

OPERATING VOLTAGE: 300V (5mm)

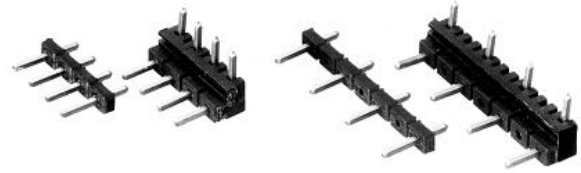
600V (10mm)

ENVIRONMENTAL PROPERTIES:

OPERATING TEMPERATURE RANGE:

-30°C to +120°C Gold and Silver contact system

-30°C to +105°C Tin contact system

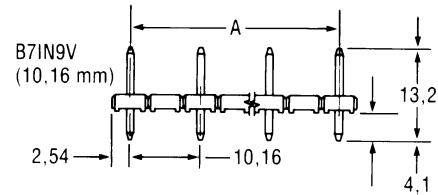
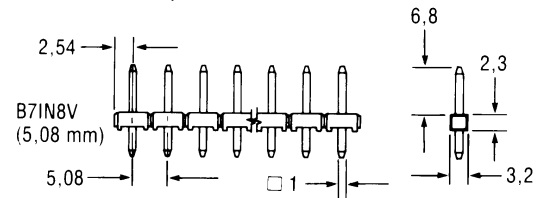


5,08mm and 10,16mm Pitch

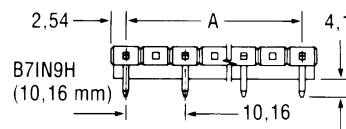
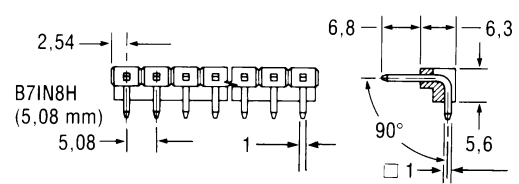
Ordering Information

# OF TERMINALS	5,08MM VERTICAL	5,08MM HORIZONTAL	10,16MM VERTICAL	10,16MM HORIZONTAL
2	B71N8V02T	B71N8H02T	B71N9V02T	B71N9H02T
3	B71N8V03T	B71N8H03T	B71N9V03T	B71N9H03T
4	B71N8V04T	B71N8H04T	B71N9V04T	B71N9H04T
5	B71N8V05T	B71N8H05T	B71N9V05T	B71N9H05T
6	B71N8V06T	B71N8H06T	B71N9V06T	B71N9H06T
7	B71N8V07T	B71N8H07T	B71N9V07T	B71N9H07T
8	B71N8V08T	B71N8H08T	B71N9V08T	B71N9H08T
9	B71N8V09T	B71N8H09T	B71N9V09T	B71N9H09T
10	B71N8V10T	B71N8H10T	B71N9V10T	B71N9H10T
11	B71N8V11T	B71N8H11T	B71N9V11T	B71N9H11T
12	B71N8V12T	B71N8H12T	B71N9V12T	B71N9H12T
13	B71N8V13T	B71N8H13T	—	—
14	B71N8V14T	B71N8H14T	—	—
15	B71N8V15T	B71N8H15T	—	—
16	B71N8V16T	B71N8H16T	—	—
17	B71N8V17T	B71N8H17T	—	—
18	B71N8V18T	B71N8H18T	—	—
19	B71N8V19T	B71N8H19T	—	—
20	B71N8V20T	B71N8H20T	—	—
21	B71N8V21T	B71N8H21T	—	—
22	B71N8V22T	B71N8H22T	—	—
23	B71N8V23T	B71N8H23T	—	—
24	B71N8V24T	B71N8H24T	—	—

(vertical solder pins)



(horizontal solder pins)



SERIES B51 OPTIONAL POLARIZING LATCH CATALOG NUMBER: B51LP1

