

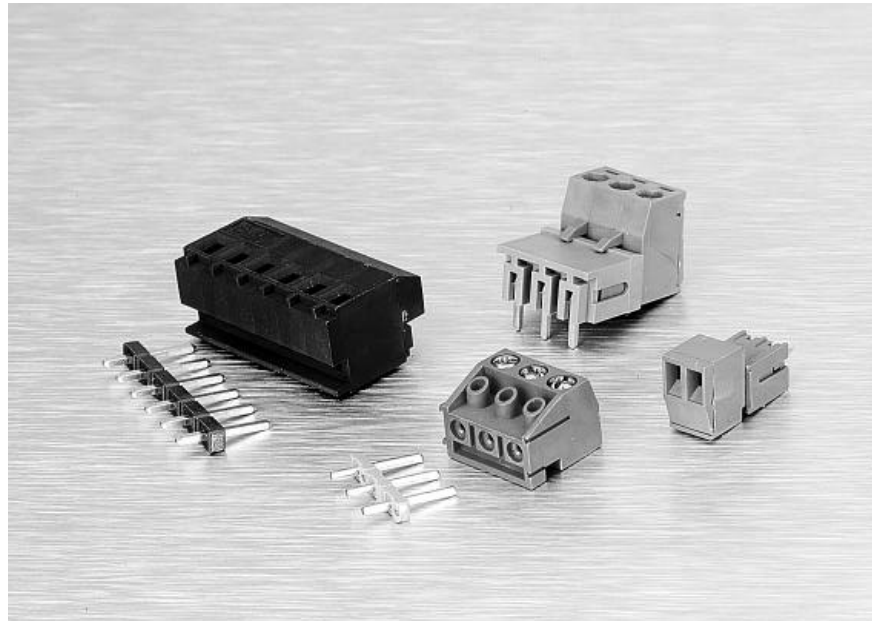
**DESCRIPTION/APPLICATION**

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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## 5MM FLUSH-MOUNT HEADERS (FOR SERIES B51C4 CONNECTORS) SERIES B71N4

### PHYSICAL PROPERTIES:

#### Housing:

HOUSING MATERIAL: Liquid crystal polymer

FLAMMABILITY: UL94V-0

COLOR: Black

#### Terminal:

SOLDER PIN: Phosphor bronze, tin plated

#### Mechanical:

PITCH (PIN SPACING): 5mm and 10mm

RECOMMENDED PCB HOLE DIA.: 1,7mm

### ELECTRICAL PROPERTIES:

MAXIMUM CURRENT: 15A

OPERATING VOLTAGE: 300V (5mm)

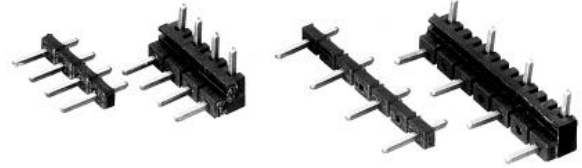
600V (10mm)

### ENVIRONMENTAL PROPERTIES:

#### OPERATING TEMPERATURE RANGE:

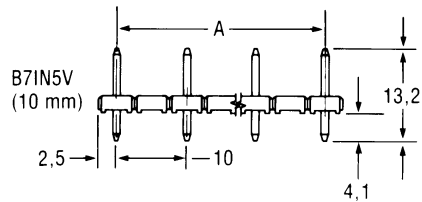
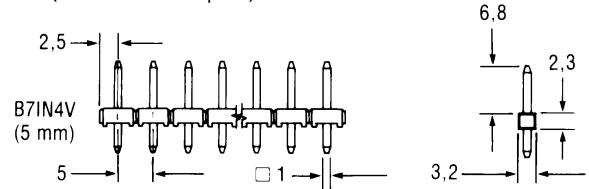
-30°C to +120°C Gold and Silver contact system

-30°C to +105°C Tin contact system

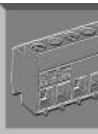
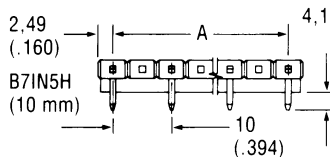
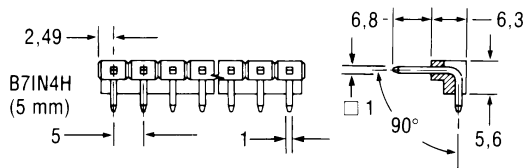


5mm and 10mm Pitch

(vertical solder pins)



(horizontal solder pins)



### Ordering Information

# OF TERMINALS	5MM VERTICAL	5MM HORIZONTAL	10MM VERTICAL	10MM HORIZONTAL
2	B71N4V02T	B71N4H02T	B71N5V02T	B71N5H02T
3	B71N4V03T	B71N4H03T	B71N5V03T	B71N5H03T
4	B71N4V04T	B71N4H04T	B71N5V04T	B71N5H04T
5	B71N4V05T	B71N4H05T	B71N5V05T	B71N5H05T
6	B71N4V06T	B71N4H06T	B71N5V06T	B71N5H06T
7	B71N4V07T	B71N4H07T	B71N5V07T	B71N5H07T
8	B71N4V08T	B71N4H08T	B71N5V08T	B71N5H08T
9	B71N4V09T	B71N4H09T	B71N5V09T	B71N5H09T
10	B71N4V10T	B71N4H10T	B71N5V10T	B71N5H10T
11	B71N4V11T	B71N4H11T	B71N5V11T	B71N5H11T
12	B71N4V12T	B71N4H12T	B71N5V12T	B71N5H12T
13	B71N4V13T	B71N4H13T	—	—
14	B71N4V14T	B71N4H14T	—	—
15	B71N4V15T	B71N4H15T	—	—
16	B71N4V16T	B71N4H16T	—	—
17	B71N4V17T	B71N4H17T	—	—
18	B71N4V18T	B71N4H18T	—	—
19	B71N4V19T	B71N4H19T	—	—
20	B71N4V20T	B71N4H20T	—	—
21	B71N4V21T	B71N4H21T	—	—
22	B71N4V22T	B71N4H22T	—	—
23	B71N4V23T	B71N4H23T	—	—
24	B71N4V24T	B71N4H24T	—	—

SERIES B51 OPTIONAL POLARIZING LATCH CATALOG NUMBER: B51LP1

