320-031-12

## Terminal Blocks For PC-Boards Pluggable With Pin Header Strips

Front Wire Inlet Type - Screw On Top
Spacing 5mm or 10mm
Height Over PC-Board 11mm

**E166099**
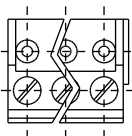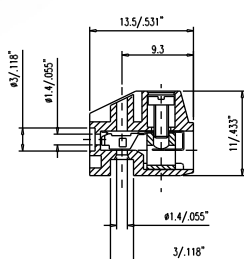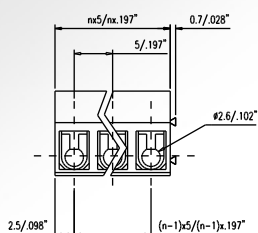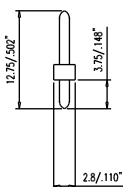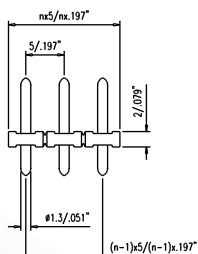
321-031-00

### Terminal Blocks



Recommended P.C.B. Holes diameter : Ø1.5mm
n= number of contacts

** To avoid accumulated tolerance-variations of Terminal-Blocks to PC-Board spacing, limit the number of contacts to not more than 24 contacts per row.

### Pin Header Strips



320-031-12 & 321-031-00

# Technical Data

## Material

| | | |
|---|---|---|
| ○ | Contact: (metal housing) | Brass (Cu Zn) Cu/Ni, tin plated |
| ○ | Terminal screw: | Steel galvanized and chromatized |
| ○ | Wire guard: | Cu Sn 6 |
| ○ | Surface of solder tail: | Tin plated |
| ○ | Insulator body: (housing) | Poly Butylene Terephthlene, PBT (30%Glass filled) (UL 94 V-0) |
| ○ | Pins: | Brass , nickel and tin plated |
| ○ | Insulator body: (strip only) | Polyamide, PA66 (UL94 V-0) |

## Electrical

| | | |
|---|---|---|
| ○ | Current rating: | 16 Amp |
| ○ | Resistance to tracking: | 5M $\Omega$ |
| ○ | Dielectric strength: | 2500V |
| ○ | Insulation withstands voltage: | AC 1500V/Min |
| ○ | Rated voltage: | 300V |
| ○ | Rated cross section: | 1.5mm$^2$ |
| ○ | Rated cross range | 0.5mm$^2$ |
| ○ | AWG: | 28 - 16 |
| ○ | Stripping length: | 4 - 4.5mm |

## Mechanical

| | | |
|---|---|---|
| ○ | Operating temperature: | -30$^\circ$C to + 120$^\circ$C |
| ○ | Short time peak temperature: | +200$^\circ$C max |

### Terminal Blocks

**HOW TO ORDER :** 3 2 0 — X X X — 1 X

Series No.    No. of Pole    Pitch    Color

| Pitch | |
|---|---|
| 1 | 5mm |
| 2 | 10mm |

| Color | |
|---|---|
| 1 | Grey |
| 2 | Blue |
| 3 | Black |

### Pin Header Strips

3 2 1 — X X X — 0 0

Series No.    No. of Pin    Pitch

| Pitch | |
|---|---|
| 1 | 5mm |
| 2 | 10mm |