ProtoBoard-3U-CONN - *with connectors*

ЭBPS

Prototype circuit board with common connector footprints.

Features

- *ProtoBoard-3U-CONN* speeds assembly by providing footprints for common connectors plus a switch.

  - DB-9   - RJ11 modular phone jack
  - DB-25   (2)
  - SPDT switch   - 1/8" sub-mini (2) or
                    mod. handset jack (2)
  - coaxial power connector
  - RJ45 Ethernet Jack (1) or BNC (2)

- *ProtoBoard* saves time! ProtoBoard has a general purpose stripboard circuit pattern that is pre-cut with 6 holes per strip.

- Standard single height (3U) Eurocard/VME size. Many off the shelf enclosures and card cages are available.
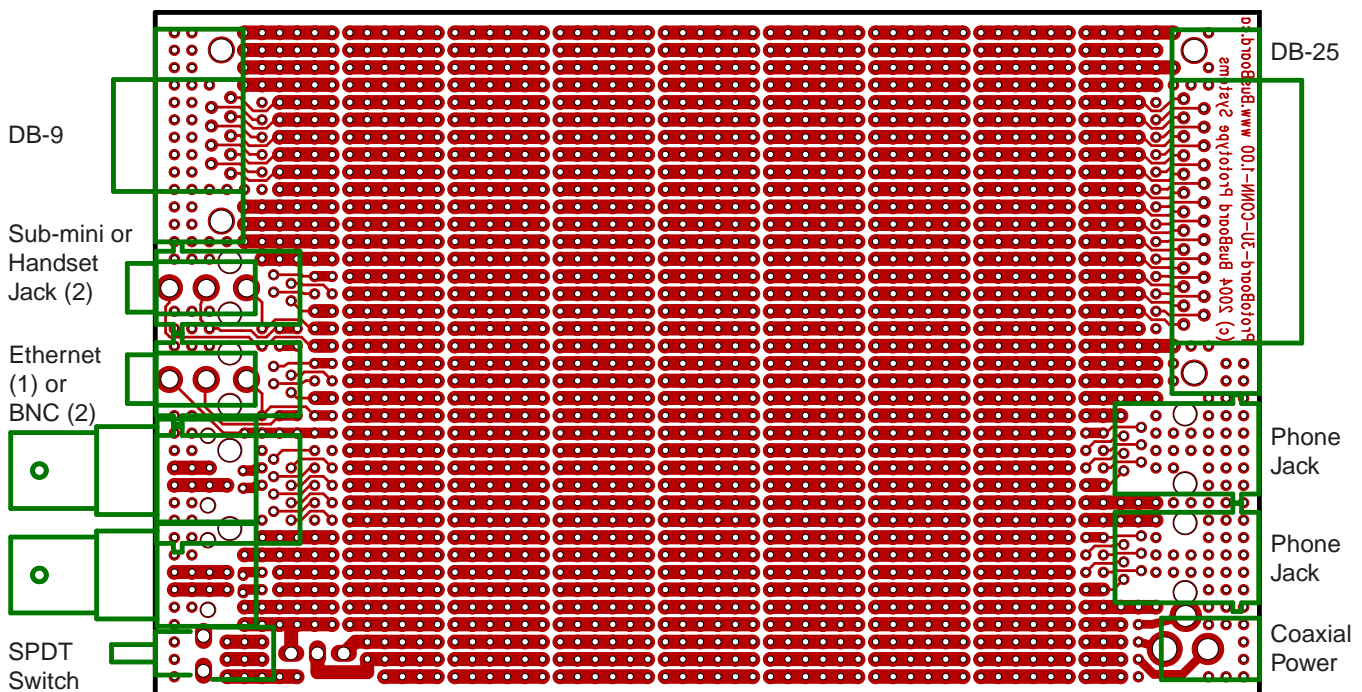
- Includes a RJ45 jack for 10baseT ethernet (8 position modular).

Specifications

- **Lead Free** PCB with an anti-tarnish coating for easy soldering.

- Etched FR4 glass-epoxy circuit board.

- Single sided PCB, 1oz/ft^2 copper, tinned for easy soldering.

- Holes are drilled on 0.1" (2.54mm) centers.

- 0.037" (0.94mm) holes sized for ICs or square post headers.

- 3.9" wide, 6.3" long, 1/16" thick (100 x 160 x 1.6mm).

Order Part# PR3UC

Board Layout With Connectors

Compatible Connectors

The following list provides suggestions for parts which can be used with ProtoBoard-3U-CONN. It is not an exhaustive list. In most cases, parts from many different manufacturers may be used.

BusBoard Prototype Systems - *Built for designers*
www.BusBoard.net   *sales@busboard.net*   BPS-MAR-PR3UC-001 Rev 3.01

Telephone Connectors

Amp 520249-2	Modular Phone Handset Jack, Right Angle, 4 Positions, 4 Contacts.
Amp 520257-2	Modular Phone Handset Jack, Vertical, 4 Positions, 4 Contacts.
Amp 520250-3	Modular Phone Jack, Right Angle, 6 Positions, 6 Contacts.
Amp 520258-3	Modular Phone Jack, Vertical, 6 Positions, 6 Contacts.

RJ45 10baseT Ethernet Connectors

Amp 520251-4	Modular Jack, Right Angle, 8 Positions, 8 Contacts.
Amp 520259-4	Modular Jack, Vertical, 8 Positions, 8 Contacts.

Barrel Coaxial Power Connectors

Switchcraft RAPC722 Coaxial Barrel Power Connector, 2mm Center Pin.
Switchcraft RAPC712 Coaxial Barrel Power Connector, 2.5mm Center Pin.

Sub-mini Connectors

Switchcraft 35RAPC2AV   1/8" Sub-Mini Jack, Right Angle, Mono.

BNC Connectors

Amp 227161-2	BNC Connector, Right Angle, Black Housing.
Amp 227161-1	BNC Connector, Right Angle, White Housing.
Molex 73137-5005	BNC Connector, Right Angle, Black Housing.
Molex 73137-5015	BNC Connector, Right Angle, White Housing.

Right Angle DB Connectors

Amp 748879-1	DB-9 Male Connector, Right Angle, PCB mount, 0.318 Style, Boardlocks, 4-40 Threaded Inserts.
Amp 748875-1	DB-9 Female Connector, Right Angle, PCB mount, 0.318 Style, Boardlocks, 4-40 Threaded Inserts.
Amp 748881-1	DB-25 Male Connector, Right Angle, PCB mount, 0.318 Style, Boardlocks, 4-40 Threaded Inserts.
Amp 748877-1	DB-25 Female Connector, Right Angle, PCB mount, 0.318 Style, Boardlocks, 4-40 Threaded Inserts.

Vertical DB Connectors

Amp 745051-2	DB-9 Male Connector, Vertical, PCB mount, 0.318 Style, 4-40 Threaded Inserts.
Amp 207841-4	DB-9 Female Connector, Vert., PCB mount, 0.318 Style, 4-40 Threaded Inserts.
Amp 745053-2	DB-25 Male Connector, Vertical, PCB mount, 0.318 Style, 4-40 Threaded Inserts.
Amp 745058-4	DB-25 Female Connector, Vert, PCB mount, 0.318 Style, 4-40 Threaded Inserts.

SPDT Switches

E-Switch	100-SP-1-T1-B1-M7-Q-E	SPDT Switch, Right Angle, PCB Mount.
NKK	M2012SS2W30	SPDT Switch, Right Angle, PCB Mount.

Note: The ProtoBoard-3U-CONN provides the same connector footprints as the BusBoard-3U-CONN, plus a RJ45 ethernet jack. It has the ProtoBoard 6-hole strips instead of the BusBoard pattern. The BusBoard-3U-CONN board does not have a RJ11 ethernet connector footprint.