

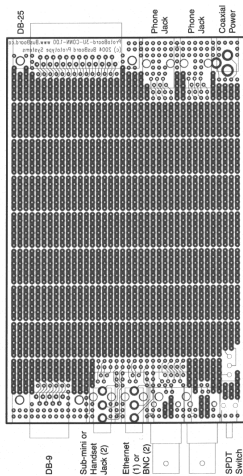
3U / 6U & EUROCARD / VME PROTOBOARDS

Protoboard-3U w/connectors



Pads are connected in groups of six, bridging these groups with dual in-line components can save a lot of assembly time. The board has footprints for standard sized DB-9 and DB-25 connectors as well as BNC's, phone jacks and a coaxial power connector. Pads are also provided to accommodate a SPDT switch. Holes are, of course, spaced on 0.10" center and each is .037" in diameter.

The board material is etched FR-4 glass-epoxy with one ounce copper on both sides, tinned for easier soldering. The board size is 3.9" X 6.3 x 1/16" (100 x 160 x x 1.6mm). Total holes are 38 rows by 62 columns.

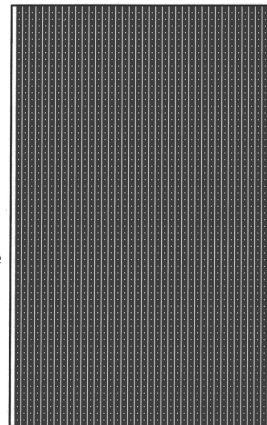


No. 12-315.....Proto Board 3U

StripBoard-3U



The StripBoard layout is very popular and found in many different (often cheap) materials. This one is much superior as the FR-4 material does not warp or suck up moisture from the environment. It can be recommended for R.F. circuits, digital etc. Copper thickness is a standard one ounce. Single sided. holes are on 0.10" center and are .037" in diameter (for IC's etc.). The strips can be "broken" with your model knife to create separate areas, mount IC's, connectors etc. . The board is a standard 3U Eurocard size at 3.9" X 6.3 x 1/16" (100 x 160 x 1.6mm). Total holes are 38 strips, each with 62 holes.



No. 12-333.....StripBoard 3U

SMT-ProtoBoard-3U SMT ProtoBoard 3u thin



Note that this SMT product is available in a standard 1/16" thickness as well as in the 1/32" thickness that is needed in some applications. See below for part numbers.

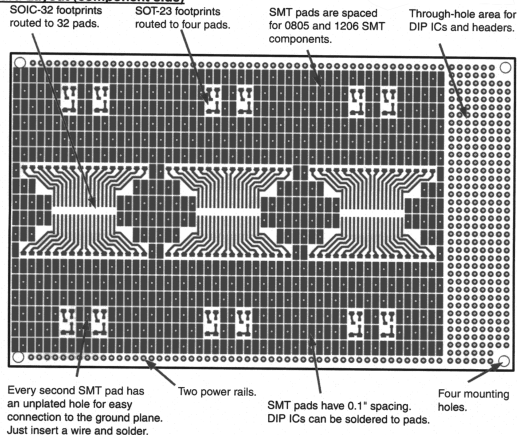
Surface mount pads are spaced for 0805 and 1206 components. Three SOIC-32 footprints can handle IC's with up to 32 contacts. A solid ground plane on the backside can be reached via drilled holes for connection to the ground plane. The holes are not plated through, allowing the user to chose to make a connection ("via") with a jumper wire or not. A backplane makes this an excellent board for R.F. circuits as well as digital and analog.

There are a dozen SOT23 footprints and the rectangular pads will accommodate SOT223 and as well as SOT23 components. As the rectangular pads are spaced on 1/10" centers, leaded components such as DIP IC's will fit well. Mounting holes (4) are in the corners. The board material is etched FR-4 glass-epoxy with one ounce copper on both sides, tinned for easier soldering. The board size is 3.9" X 6.3 x 1/16" (100 x 160 x 1.6mm).

No. 12-320.....SMT Protoboard 3U 1/16" board thickness

No. 12-323.....SMT Protoboard 3U thin 1/32" board thickness

Board Layout (component side)



SMTpads-3U thin

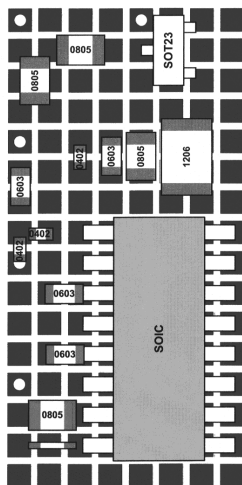
Good as a general purpose board for Surface Mount Technology circuits, the board has 42 mil copper squares on 50 mil centers. SMT components of various sizes and pitch (contacts per inch) may be mounted easily (see illustration). SOIC components, which are a 50 mil pitch and DIP components, which are a 100 mil pitch, can all be used on this board.

A solid ground plane on the reverse side of the board will provide low noise for amplifiers, solid for RF circuits etc. Both sides are one ounce copper. There are .031" holes through to the backside every four pads; holes are not plated through so that the user has the option of creating a via with a jumper wire, or not.

A Flux coating keeps the board prepared for soldering and prevents copper from oxidizing.

The board is a standard 3U Eurocard size at 3.9" X 6.3 x 1/32" (100 x 160 x 1.6mm).

No. 12-325.....SMT pads Board 3U



StripBoard-6U

Traces run the full length of the board. The board is single sided, and copper is tinned. Holes are on 0.10" center and are .037" (.94mm) in diameter (for IC's etc.). The strips can be "broken" with your model knife to create separate areas, mount IC's, connectors etc. The copper thickness is a standard one ounce.

The board accepts two standard 64-pin or 96 pin DIN-41612 connectors for backplane applications or expansion. The connector footprint gives access to connector rows 1 and 3; row 2 pads are unconnected.

The board is a standard, double-height 6U Eurocard size at 9.2 X 6.3 x 1/16" (233.4 x 160 x 1.6mm). Total holes are in 180 traces, 90 x 62 holes.

No. 12-335.....StripBoard 6U

