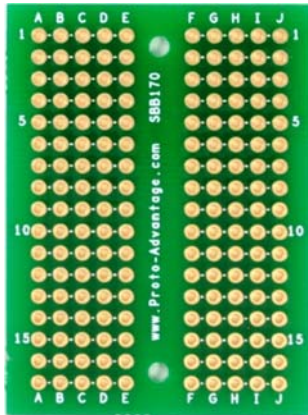
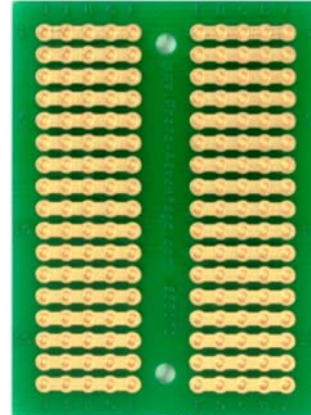


## 170 pts solder-in breadboard (Exact Solderless Match)



Top view



Bottom view

### Product Highlights

#### Immersion Gold Finish

All holes are gold plated and are on a 0.1" grid

1/16" (1.6mm) thick FR-4 UL94V-0

Accepts a variety of wire sizes (20-32 AWG)

2 mounting holes

### Usage

This board exactly copies the routing of a 170 pts tiny solderless breadboard.

Allows direct transfer of circuits prototyped in a solderless breadboard to a solder-in breadboard to facilitate functional in-system testing or field testing.

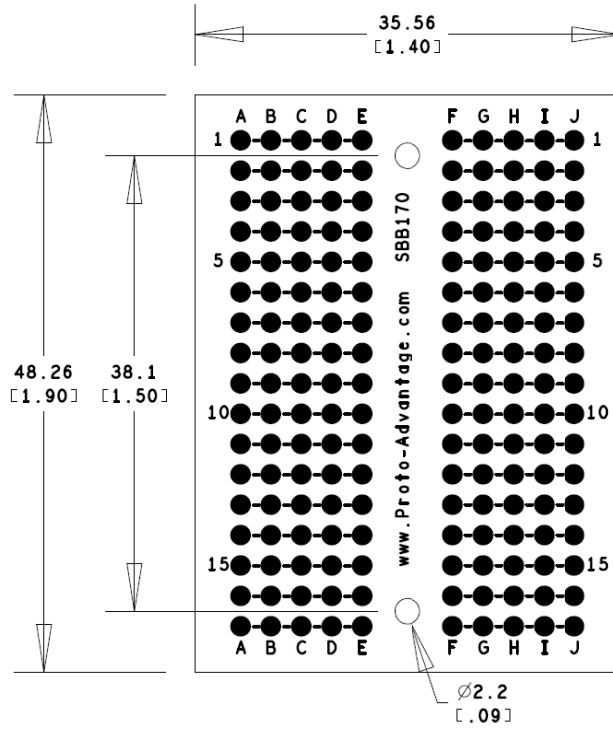
### Specifications

Wiring Pattern:	1 Terminal Strip 170 Terminal Holes
Dimensions:	1.9" x 1.4" x 0.0625" (48.26mm x 35.56mm x 1.6mm)
PCB construction:	FR-4 UL94V-0
PCB operating temperature range:	-40°C to +130°C (-40°F to +266°F)
PCB reflow maximum temperature:	+260°C (500°F)
PCB trace width:	0.059" (1.5mm)
PCB trace thickness:	1 oz copper / ft <sup>2</sup> (1.4 mils) (0.03556 mm)
PCB trace current capacity*:	10A continuous @ 40°C rise, 13A continuous @ 80°C rise*
Recommended pin size:	25 mil square wire wrap posts or smaller
Diameter of 2 mounting holes:	2.2mm (87 mils)

\* Derived from IPC-2221 current capacity graphs at 25°C ambient temperature. Actual current capacity will vary based on air flow, component density, and other factors.

# Top View of SBB170

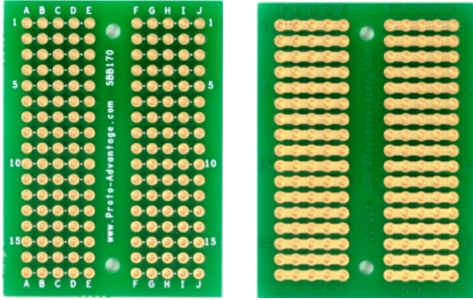
Topside silkscreen lines between holes show where bottom traces electrically connect holes.



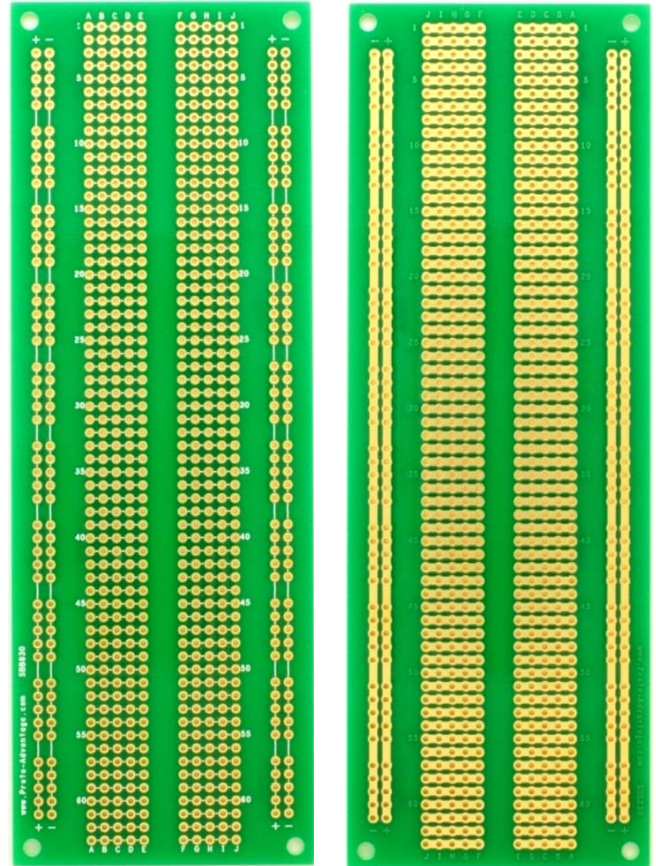
(Representative drawing only - not to scale)

# Complete Line of Proto Advantage Exact Solderless Match Solder-in Breadboards:

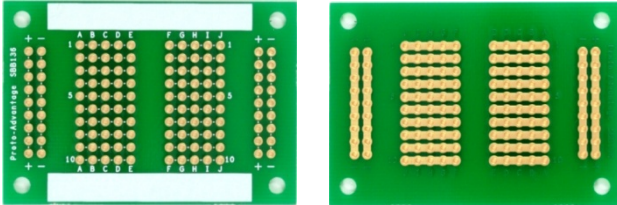
Tiny breadboard match (P/N: **SBB170**)



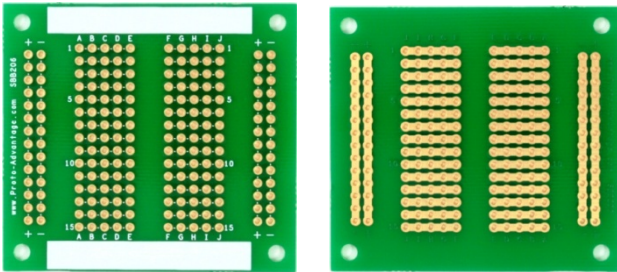
Full size breadboard match (P/N: **SBB830**)



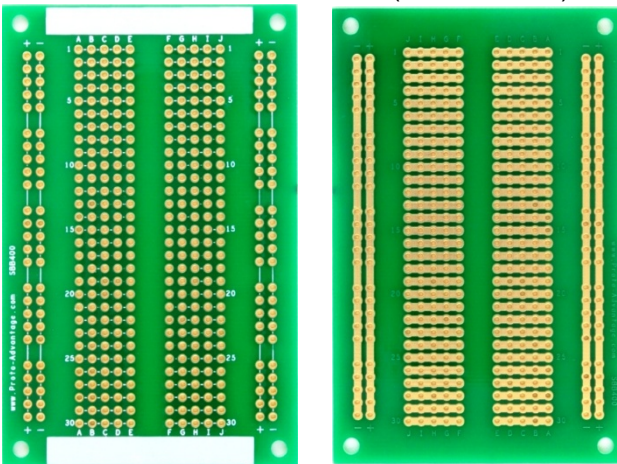
1/6 size breadboard match (P/N: **SBB136**)



1/4 size breadboard match (P/N: **SBB206**)



1/2 size breadboard match (P/N: **SBB400**)



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Chip Quik:](#)

[SBB170](#)