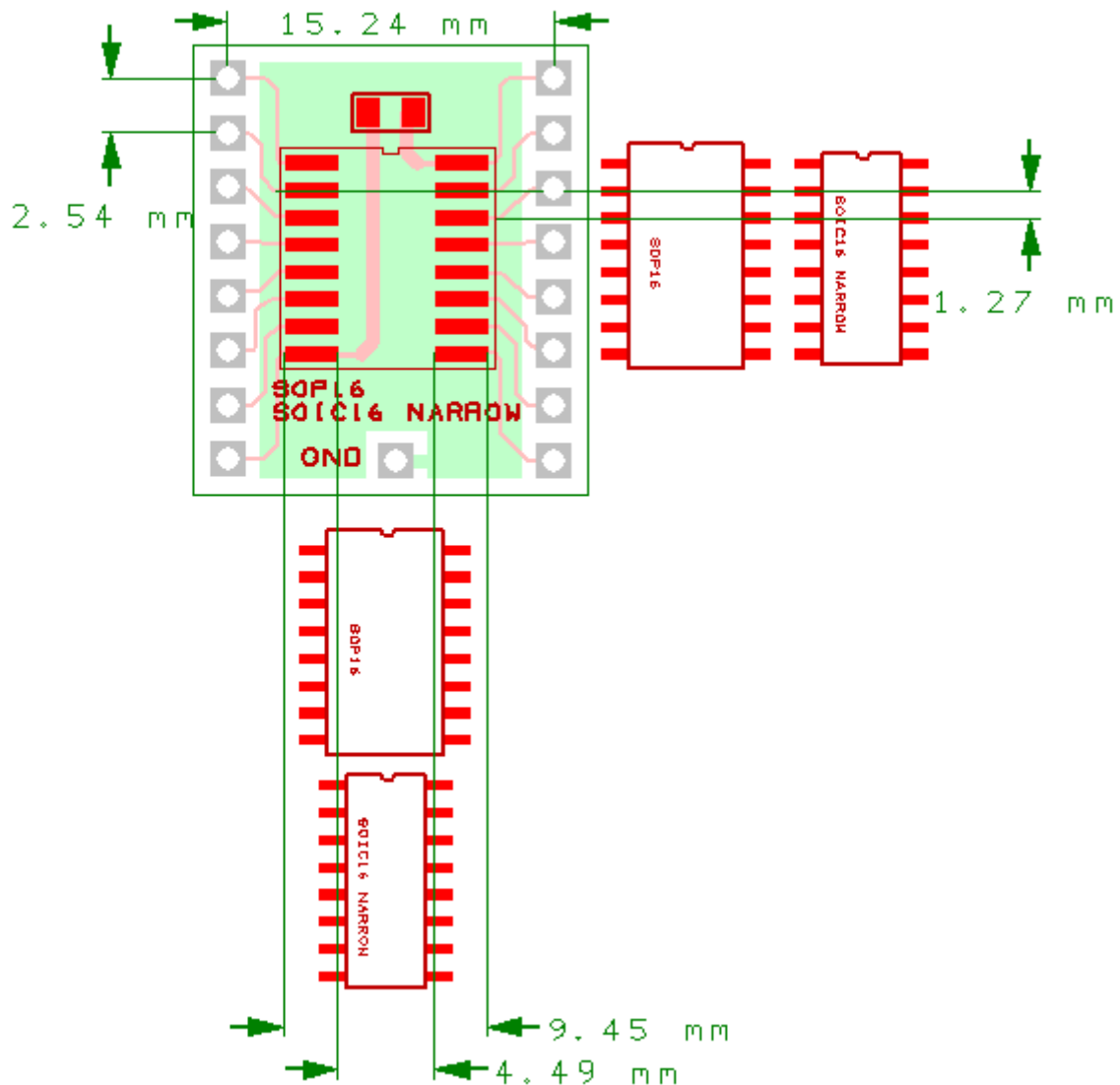


# SOIC16N / SOP16 ADAPTER

**Breadboard adapter for SOIC 16pin (only narrow devices) or SOP16 (only devices with a pitch of 1,27 mm)**

**PCB dimensions:** 18,5 x 20,9 x 1,5 mm



**Our reference: 16431A**

**Product description:** Breadboard adapter for SOP16 ( only for pitch of 1,27 mm types ) or SOIC16N narrow devices.

Accept row connectors with 2,54 mm pitch: is breadboard compatible.

**Technology:** Plated through FR4 pcb, with solder mask to avoid shorts between pads when hand soldered, as shown in photo. All holes are plated through.

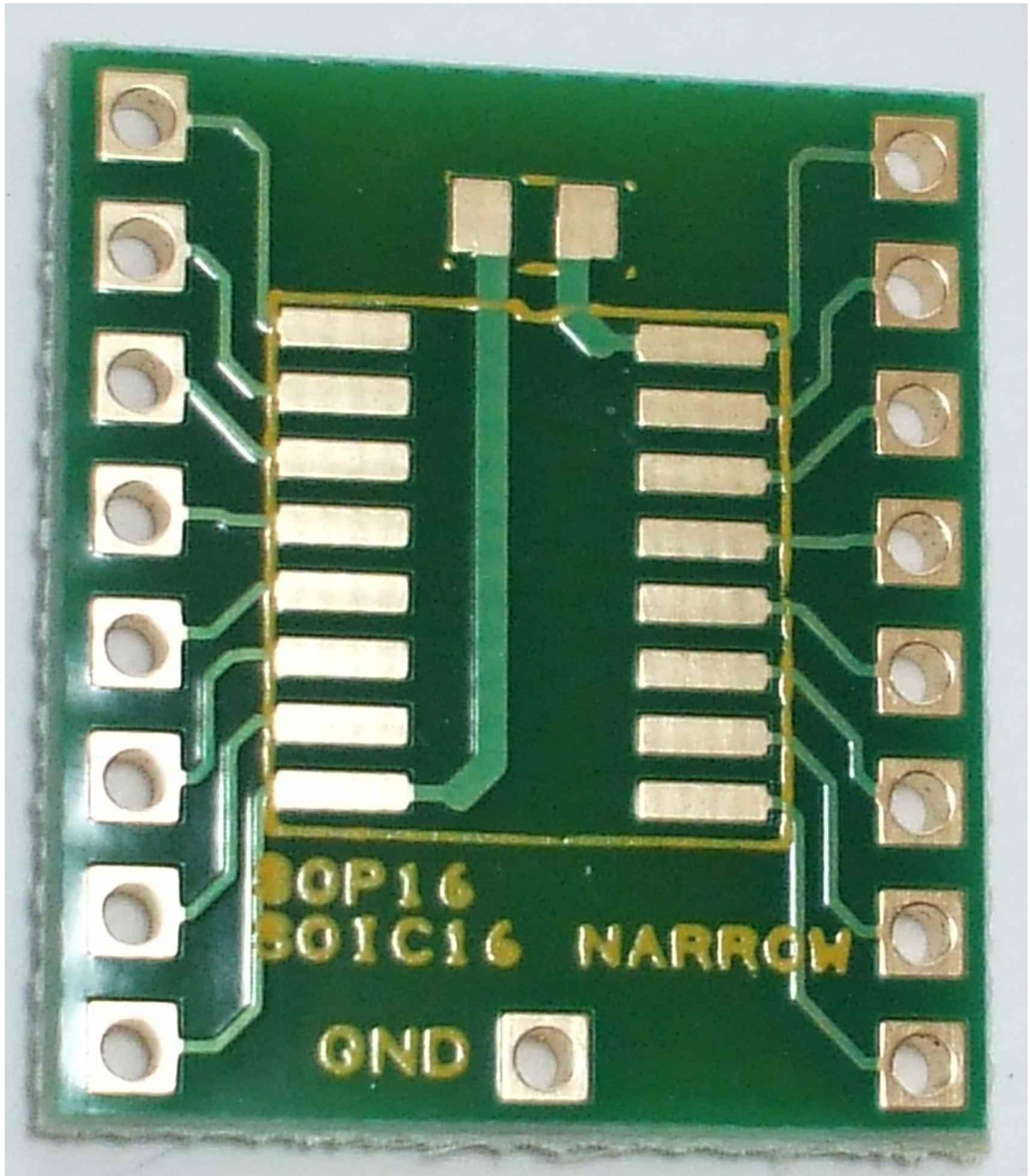
The surface of pads in this adapter, is chemical gold plated.

**Ground plane:** one ground plane connection is available, useful also as a small heatsink.

**PCB contour:** the pcb contour is scored and easy to break in pieces, if several units are supplied.

**Hand soldering:** should be used a liquid flux, for easy soldering to the gold surface.

**Handling:** is important before soldering, to avoid fingerprints over the gold plated surface of the pads.



Above photo shows 1 adapter for SOP16 / SOIC16N ( narrow) in a scored pcb. Can be observed the solder mask around the pads and protecting the tracks.

Solder mask exist only around pads and is used to minimize the risk of building solder bridges between pads, when the SOIC is hand soldered.

Can be seen also the plated through holes.

**Links:**

**SOP16**

[http://www.fairchildsemi.com/products/analog/pdf/16sop225\\_dim.pdf](http://www.fairchildsemi.com/products/analog/pdf/16sop225_dim.pdf)

<http://www.fairchildsemi.com/dwg/M1/M16D.pdf>

[http://www.rohm.com/products/databook/pack/pdf/sop16\\_01-e.pdf](http://www.rohm.com/products/databook/pack/pdf/sop16_01-e.pdf)

<http://www.semicon.toshiba.co.jp/eng/product/logic/package/sop16.html>

<http://www.vishay.com/docs/83687/sfh6916.pdf>

[http://www.panasonic-electric-works.com/catalogues/downloads/photomos/ds\\_x615\\_en\\_aqs221n2s.pdf](http://www.panasonic-electric-works.com/catalogues/downloads/photomos/ds_x615_en_aqs221n2s.pdf)

**SOIC16N**

<http://www.fairchildsemi.com/dwg/M1/M16A.pdf>

[http://www.analog.com/static/imported-files/footprints/SOIC\\_N\\_\(R\)/r-16.pdf](http://www.analog.com/static/imported-files/footprints/SOIC_N_(R)/r-16.pdf)

[http://pdfserv.maxim-ic.com/land\\_patterns/90-0097.PDF](http://pdfserv.maxim-ic.com/land_patterns/90-0097.PDF)

<http://www.irf.com/package/cic/16leadsoicnarrow.pdf>

Please visit our site for updates and new adapter types:

<http://www.breadboard-adapters.com/>

To any questions or feedback please email:

[sales@breadboard-adapters.com](mailto:sales@breadboard-adapters.com)