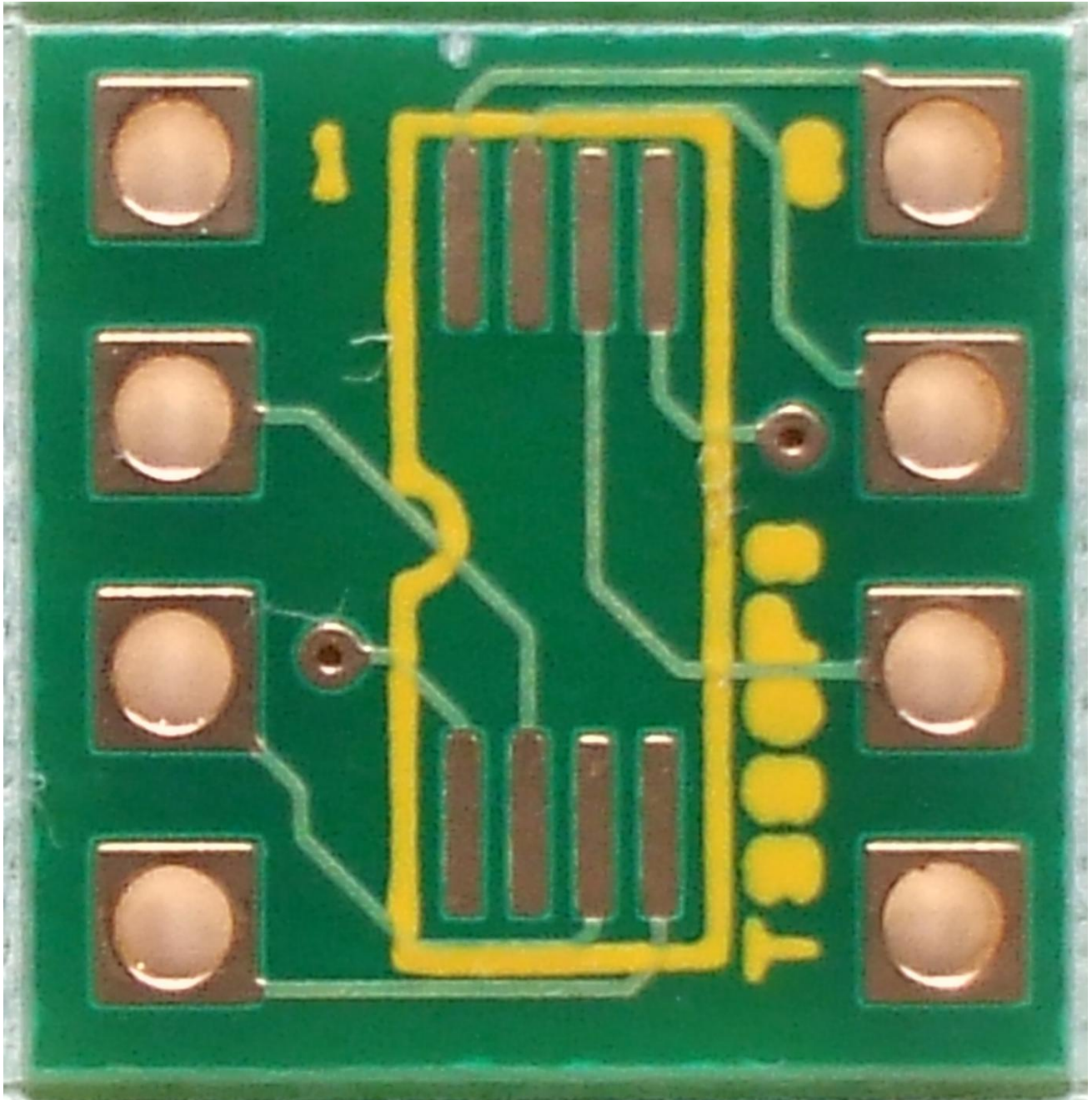# ADAPTER for TSSOP8 / SOT505 devices
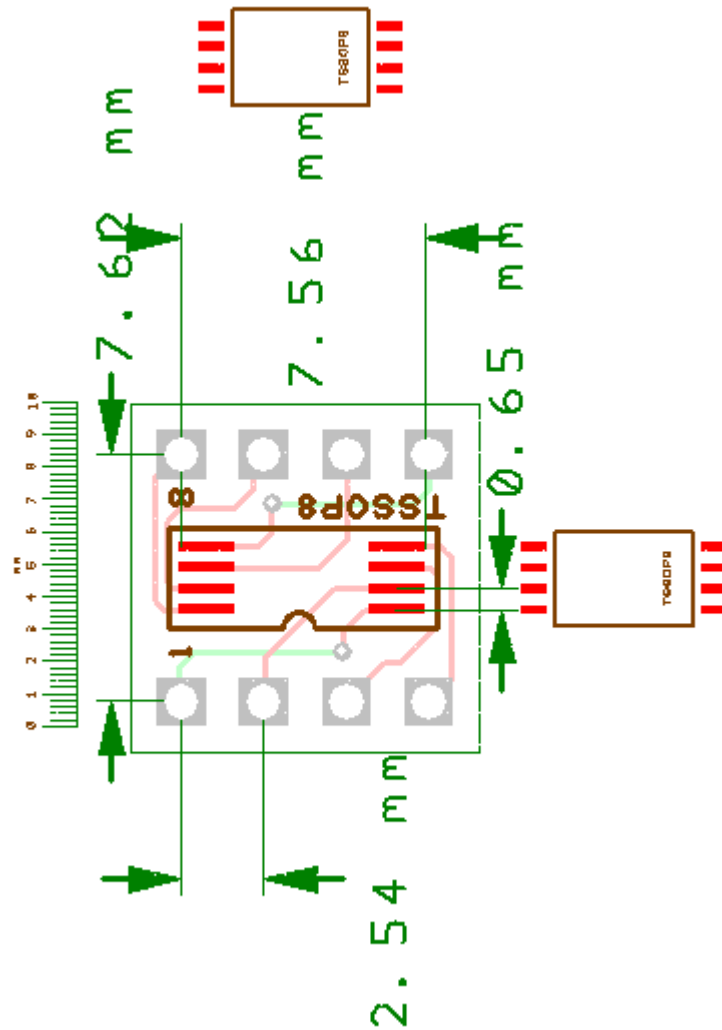
PCB dimensions: 10.7 x 10.7 x 1,5 mm

     In above photo is visible the green solder mask around the pads and protecting the tracks in this adapter.

     Solder mask is important for devices with a small pitch. Solder mask exist only around pads and is used to minimize the risk of building solder bridges between pads, that is easy to happen when the device is hand soldered.

Dimensions with a simulated chip in the same scale:

Our reference: 08283A

Product description: Breadboard adapter for TSSOP8 / SOT505 devices.
Accept row connectors with 2,54 mm pitch to be 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 is useful as a small heatsink.

PCB contour is scored: if several units are supplied, is easy to break in individual adapters.

Hand soldering: should be applied 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.

Links for TSSOP8 /SOT505

http://www.irf.com/package/outline/po_tssop8.pdf
http://www.fairchildsemi.com/dwg/MT/MTC08.pdf
http://www.diodes.com/products/packages/index.php?cp:e=5&cp:id=163
http://www.southseasemi.com/ds/outline/Package%20TSSOP-8%20%20%28Rev%202.0%29.pdf
http://www2.renesas.com/discrete/en/package/pd/pwtssop8.html
http://www.semicon.toshiba.co.jp/eng/product/transistor/package/tssop-8.html
http://www2.renesas.com/discrete/en/package/pd/pwtssop8.html

http://www.nxp.com/documents/outline_drawing/sot505-1_po.pdf
http://pdfserv.maxim-ic.com/land_patterns/90-0248.PDF
http://www.vishay.com/docs/71201/71201.pdf

Basic information:

http://www.polyonics.com/PubDocs/SMT%20Dictionary.pdf

Links for SMD soldering:

http://www.4shared.com/document/Ma1BZxT7/Low_Cost_SMD_Soldering_Guide.html

http://www.4shared.com/get/oyPNr6_C/smd_soldering.html

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