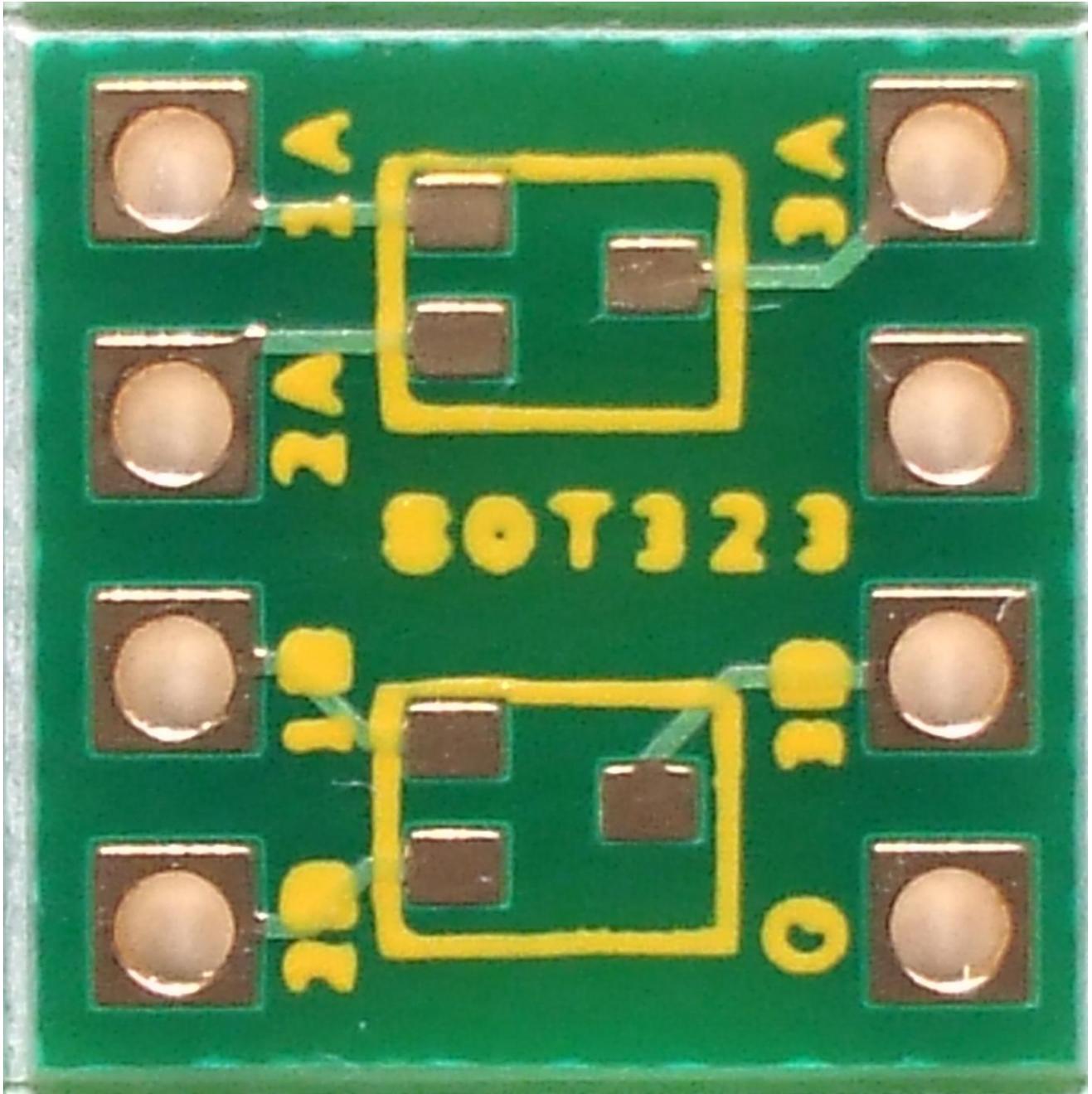


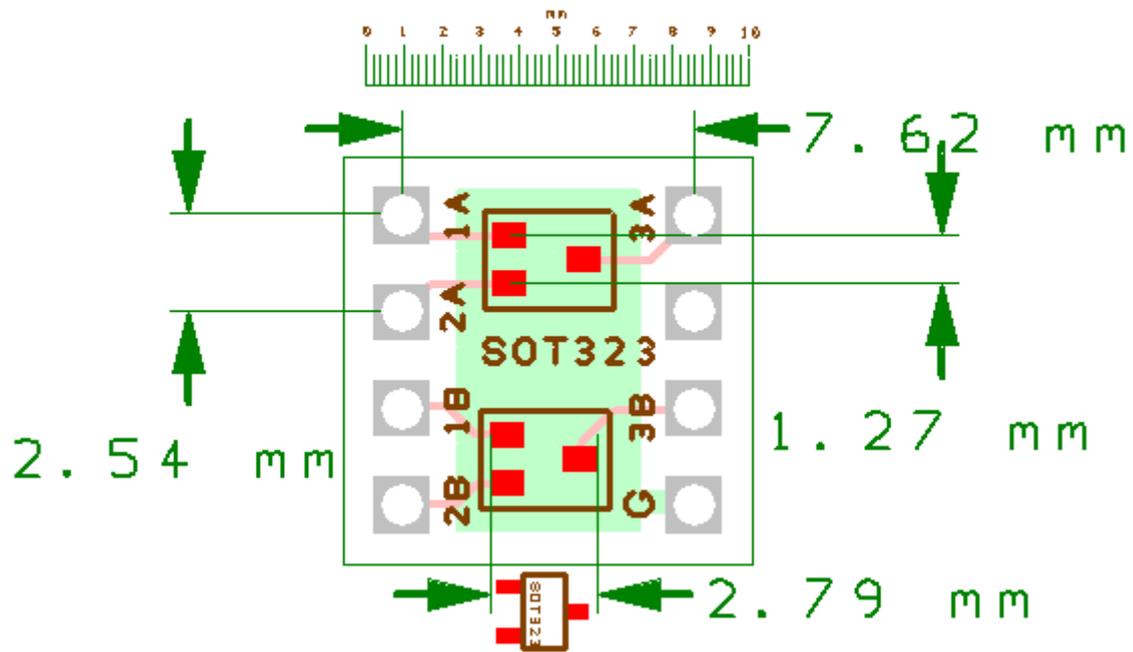
## ADAPTER for SOT323 / SC70 devices

**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.



**Our reference:** 03045A

**Product description:** Breadboard adapter for 2 units of SOT323 / SC70 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 connection is available, useful also 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 SOT323

[http://www.nxp.com/documents/outline\\_drawing/sot323\\_po.pdf](http://www.nxp.com/documents/outline_drawing/sot323_po.pdf)  
<http://www.syncpower.com/datasheet/SOT-323.pdf>  
[http://www.fairchildsemi.com/products/discrete/pdf/sot323\\_dim.pdf](http://www.fairchildsemi.com/products/discrete/pdf/sot323_dim.pdf)  
[http://www.diodes.com/zetex/\\_pdfs/3.0/pack/SOT323.pdf](http://www.diodes.com/zetex/_pdfs/3.0/pack/SOT323.pdf)  
<http://www.diotec.com/produkte/selectionguide/transistors+smallsignal.pdf>  
<http://www.southseasemi.com/ds/outline/Package%20SOT-323%20%28Rev%202.0%29.pdf>  
[http://www.hoperf.com/rf\\_components/transistor/sot323.htm](http://www.hoperf.com/rf_components/transistor/sot323.htm)  
<http://www.centalsemi.com/PDFs/case/SOT-323PD.pdf>

## Links for SC70 package:

[http://www.analog.com/static/imported-files/packages/PKG\\_PDF/SC70\(KS\)/KS\\_3.pdf](http://www.analog.com/static/imported-files/packages/PKG_PDF/SC70(KS)/KS_3.pdf)  
<http://www.fairchildsemi.com/dwg/MA/MAA06A.pdf>  
<http://www.vishay.com/mosfets/sc-70-package/>  
<http://www.national.com/packaging/mkt/maa05a.pdf>  
[http://www.onsemi.com/pub\\_link/Collateral/419-04.PDF](http://www.onsemi.com/pub_link/Collateral/419-04.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/document/Ma1BZxT7/Low_Cost_SMD_Soldering_Guide.html)  
[http://www.4shared.com/get/oyPNr6\\_C/smd\\_soldering.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](mailto:sales@breadboard-adapters.com)