



The ISOLATOR IC can be any of the ADuM\_40\_ components from Analog Devices, ISO724\_ components from Texas Instruments or Si844\_BB components from Silicon Labs. Populate R1, R2, R3, and/or R4 accordingly. Number, speed, and direction of isolation channels depends on component selection.

ESD Zeners CR1 to CR8 are optional based on which isolator you are using.

PolyFuse F1 is intended for use with the ADuM640\_ which supplies power to the isolated side. It can be replaced with a 1/2-watt 0 Ohm resistor.

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|--|-------------------|----------|
| <a href="http://www.opendous.org/isolator">http://www.opendous.org/isolator</a><br>Quad Directional Isolator Interface<br>Copyright Under the Creative Commons Attribution License<br><a href="http://creativecommons.org/licenses/by/3.0/">http://creativecommons.org/licenses/by/3.0/</a><br><b>Opendous Inc. (www.opendous.org)</b> |                   |          |
| File: Isolator.sch   |                   |          |
| Sheet: /   |                   |          |
| <b>Title: Isolator Board</b>   |                   |          |
| Size: A4   | Date: 11 oct 2010 | Rev: 1.0 |
| KiCad E.D.A.   |                   | Id: 1/1  |