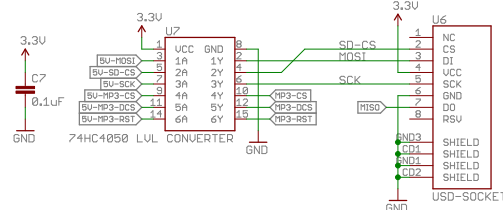


Power

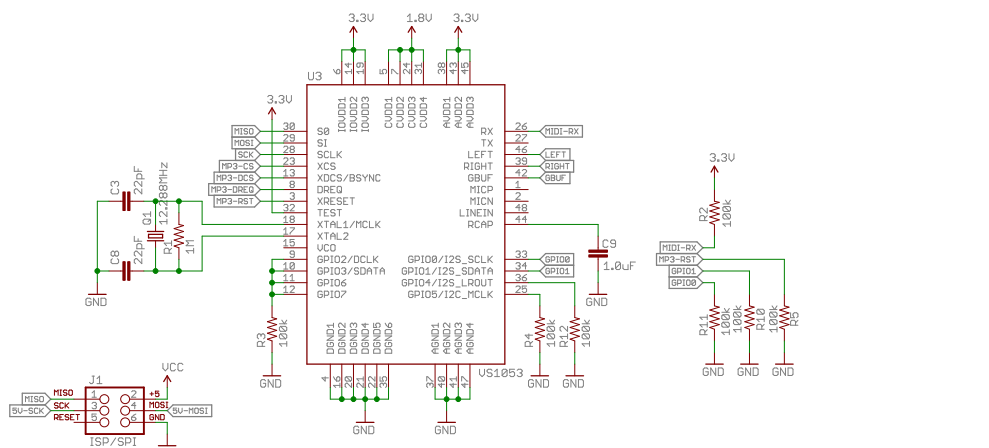


microSD

New on v1.3:
Added microSD
Added 74HC4050 LUL Converter
Moved LED to 3.3V rail to load regulator

New on v1.4:
Added solder jumper to select between GBUF and GND
Update to Arduino R3 shield type
Updated version code
Added OSHW mark
Changed all 0402 footprints to 0603 for easier optical inspection
Added transient free line-out connection
Added MUTE
RST now pulled low by default
Moved to tighter S01C FP on HEX inverter
Touched up 3.5mm jack footprint

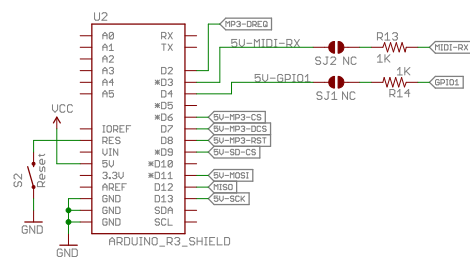
New on v1.5:
Removed MUTE line.
Reworked the v1.4 DC-blocking circuit,
made it selectable via jumpers SJ3, SJ4, SJ5.



Populate with 2x3 female connector to be compatible with Leonardo/Mega

US1053

GPIOD low / GPIOD high puts US1053 in MP3 mode
GPIOD low / GPIOD high puts US1053 in MIDI mode



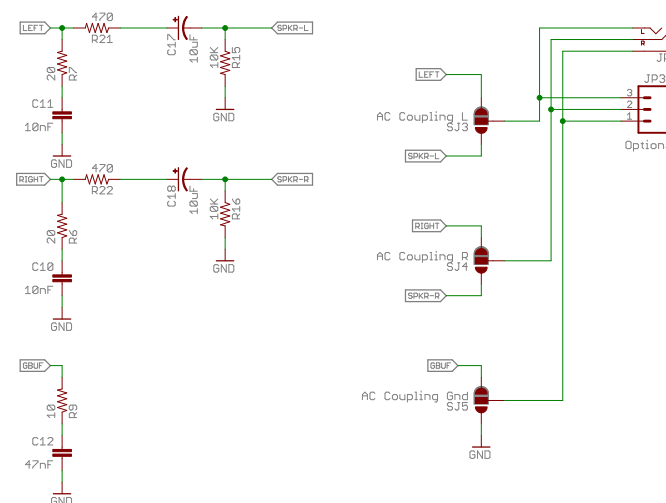
Arduino

Line Out to Speakers or Amplifier

Solder Jumpers 3, 4, 5 configure outputs:

Default configuration: solder blob between top and middle pads for DC-coupled output to headphones or passive speakers.

Desolder default and add solder blob between middle and bottom pads for AC-coupled line output.



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TITLE: MP3 Shield_v15

Design by: C. Taylor, N. Seidle

Revision By: Byron Jacquot

Date: 11/17/2014 9:57:44 AM

Sheet: 1/1

SFE

REV: v1.5