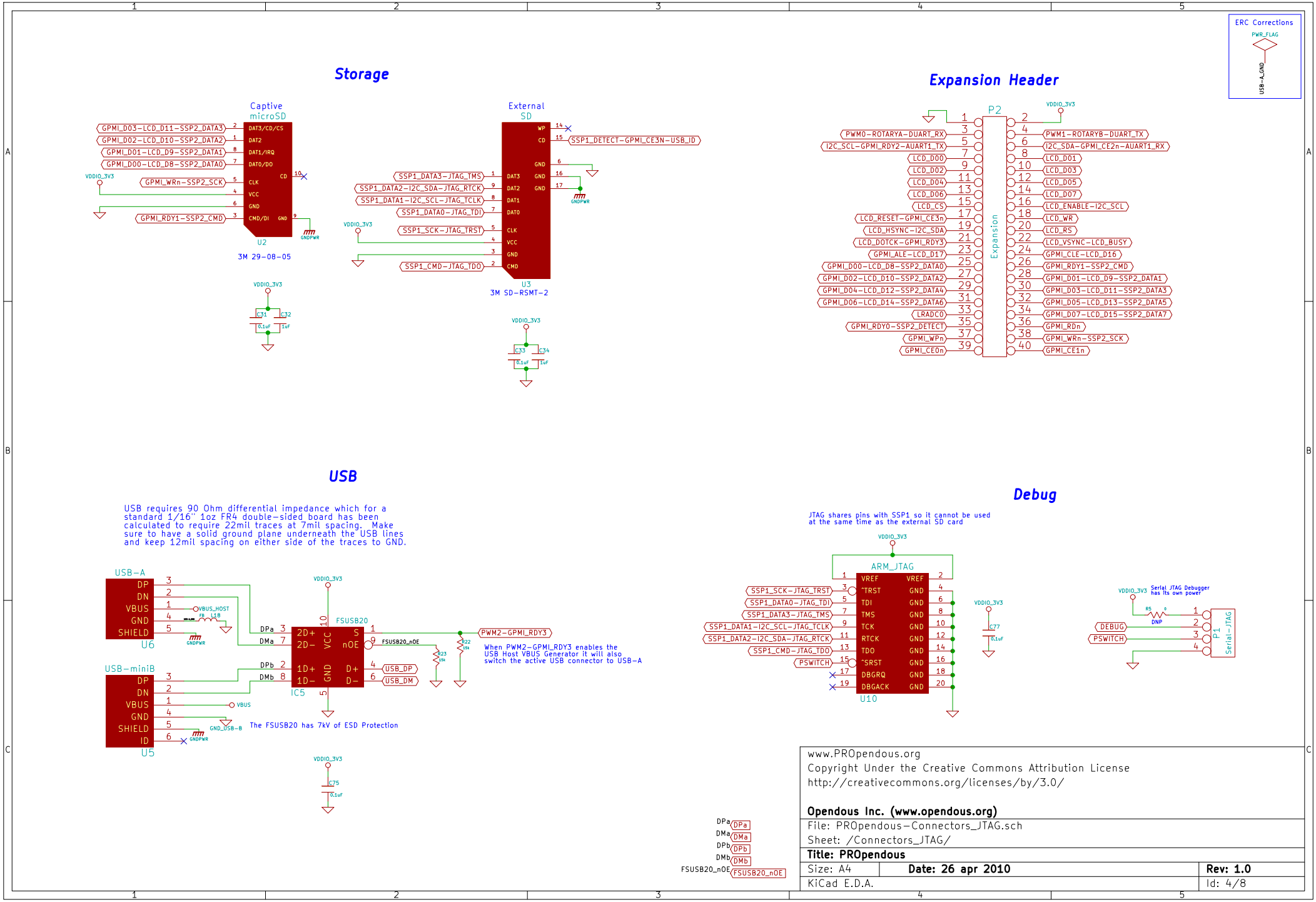
ERC Corrections
PWR_FLAG
USB-A_GND
Storage
Captive microSD
U2
3M 29-08-05
External SD
U3
3M SD-RSMT-2
Expansion Header
P2
Expansion
USB
USB requires 90 Ohm differential impedance which for a standard 1/16" 1oz FR4 double-sided board has been calculated to require 22mil traces at 7mil spacing. Make sure to have a solid ground plane underneath the USB lines and keep 12mil spacing on either side of the traces to GND.
USB-A
U6
USB-miniB
U5
IC5
FSUSB20
When PWM2-GPMI_RDY3 enables the USB Host VBUS Generator it will also switch the active USB connector to USB-A
The FSUSB20 has 7kV of ESD Protection
Debug
JTAG shares pins with SSP1 so it cannot be used at the same time as the external SD card
ARM_JTAG
U10
Serial JTAG Debugger has its own power
P1
Serial-JTAG
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File: PROpendous-Connectors_JTAG.sch
Sheet: /Connectors_JTAG/
Title: PROpendous
Size: A4
Date: 26 apr 2010
Rev: 1.0
KiCad E.D.A.
Id: 4/8