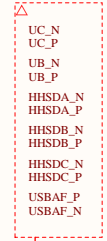
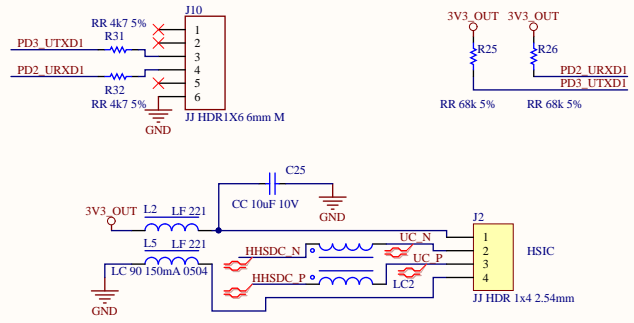
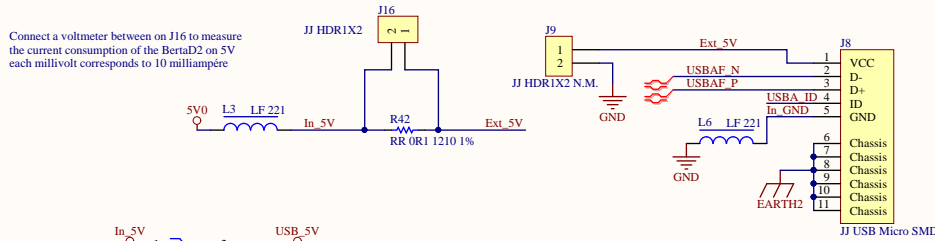


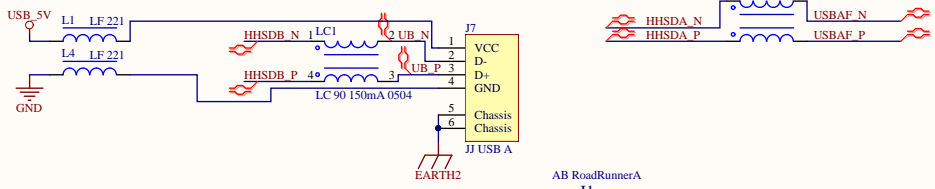
Connect a voltmeter between on J16 to measure the current consumption of the Bertad2 on 5V each millivolt corresponds to 10 milliampère

A

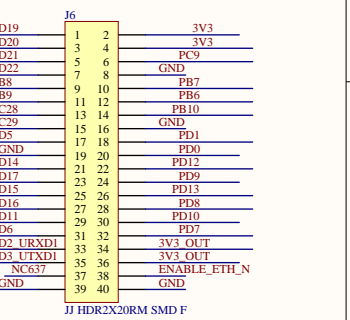
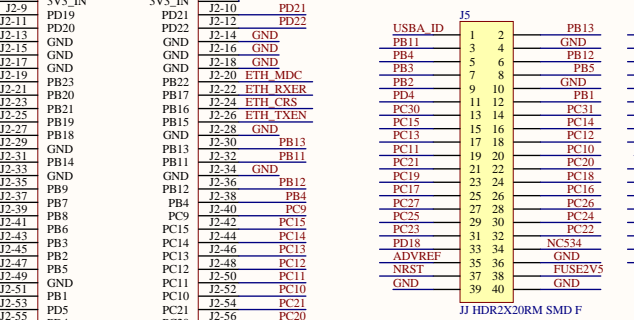
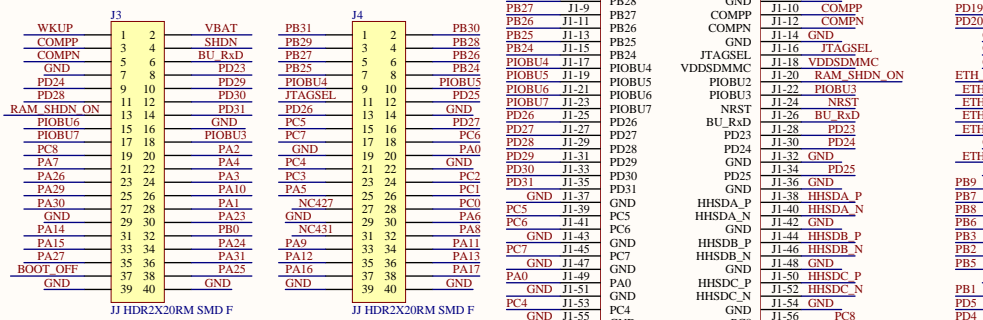


Net Class
ClassName: USB

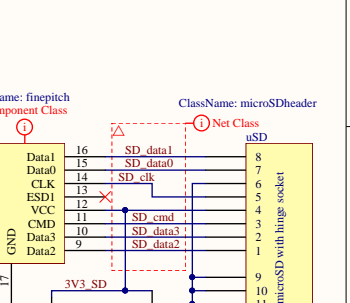
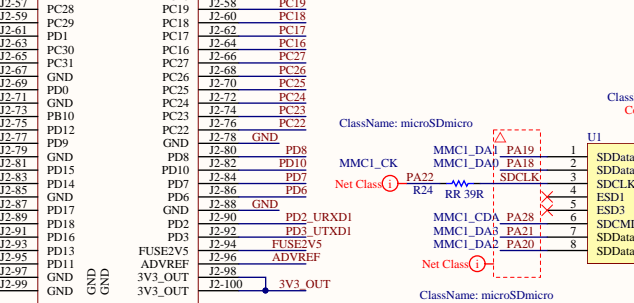
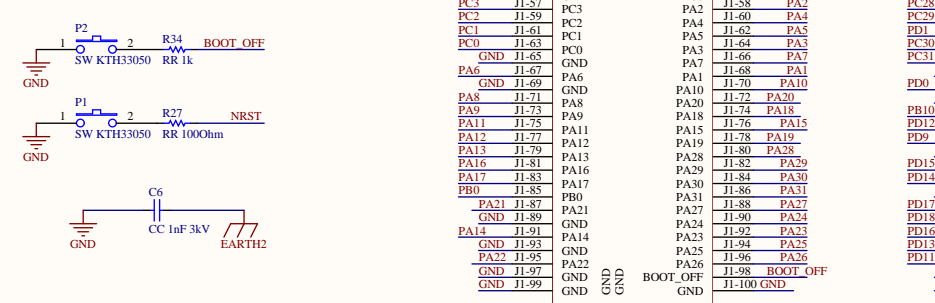
B



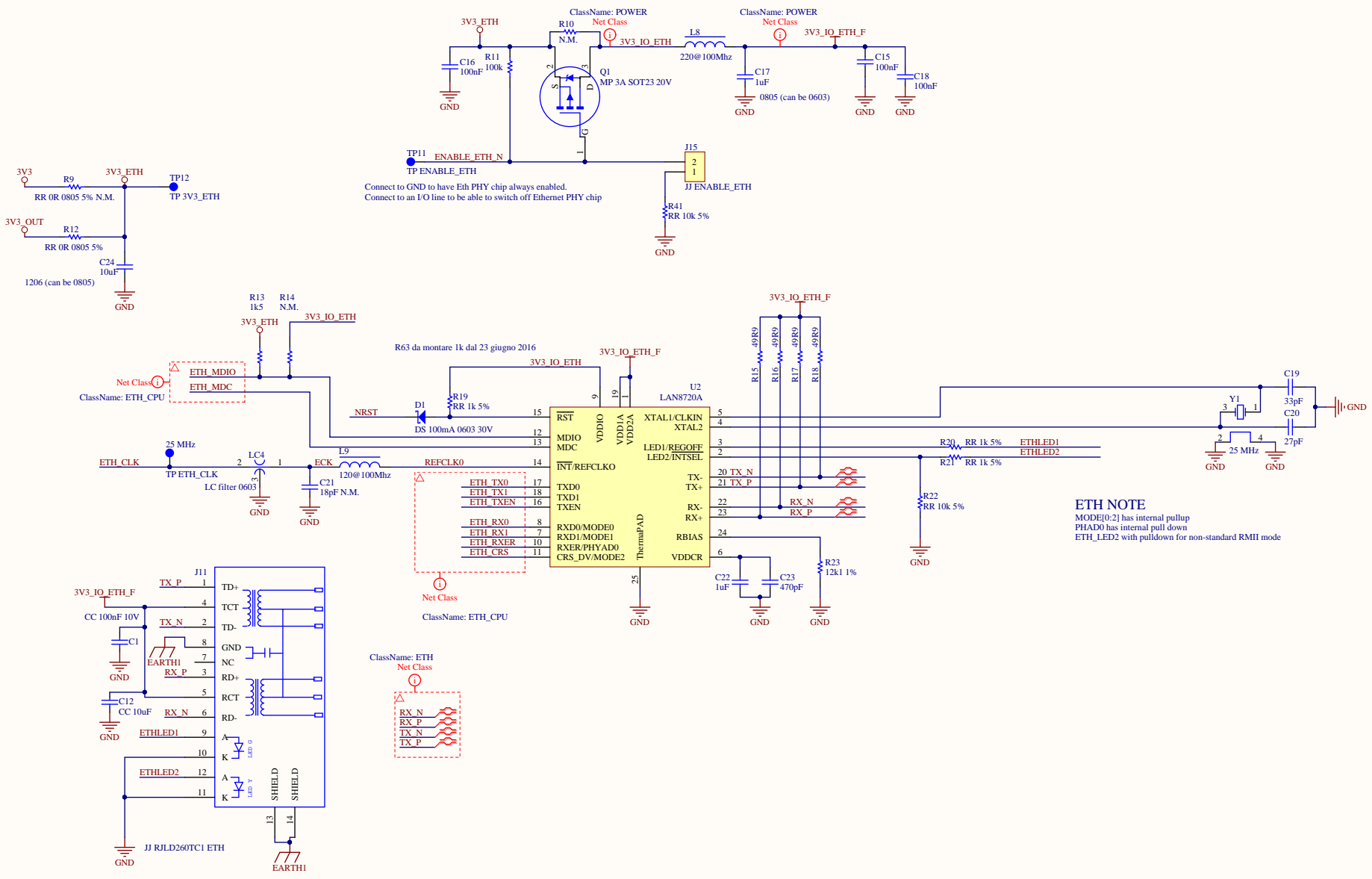
C



D



Title Bertad2 I/O		ACME Systems srl	
Size: A4	Number:*	Revision:1.1	www.acmesystems.it
Date: 01/08/18	Time: 11:52:42	Sheet 1 of 3	
File: \\Mac\Home\Documents\shared\Work\PCB_1\Bertad2_1_1\Bertad2_IO_1_1.SchDoc			

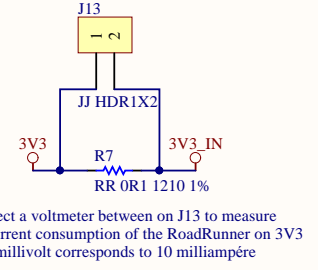
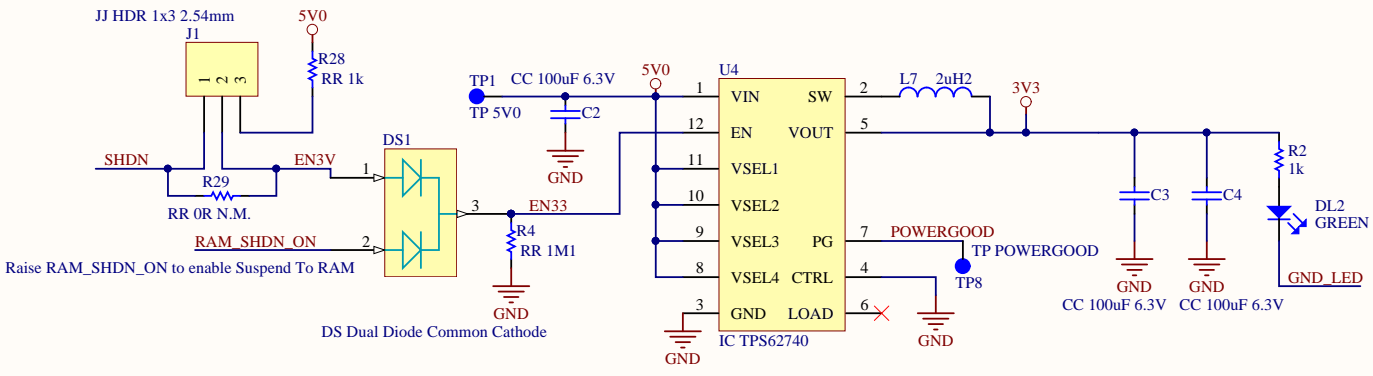


Connect to GND to have Eth PHY chip always enabled.
Connect to an I/O line to be able to switch off Ethernet PHY chip

ETH NOTE
MODE[0:2] has internal pullup
PHAD0 has internal pull down
ETH_LED2 with pulldown for non-standard RMII mode

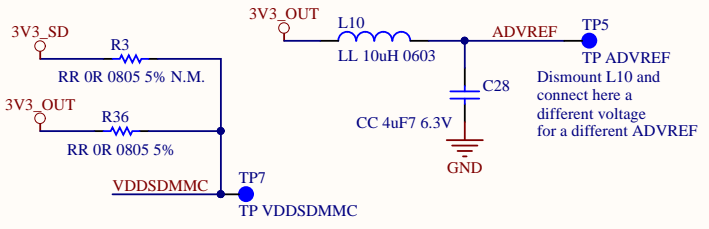
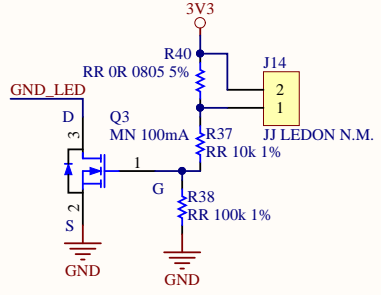
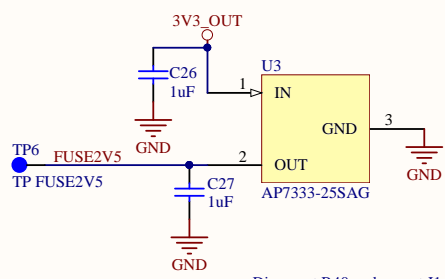
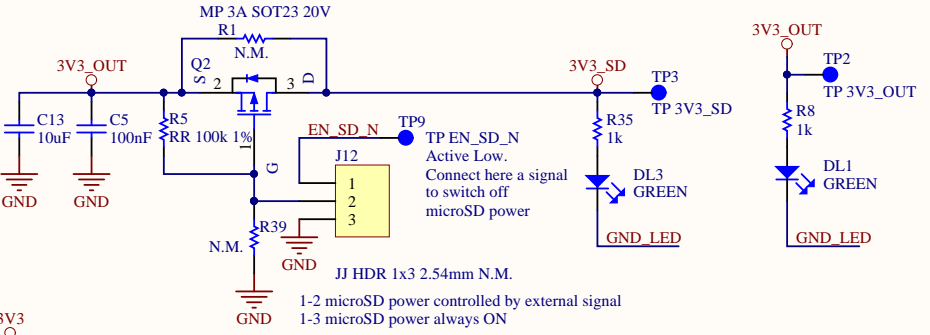
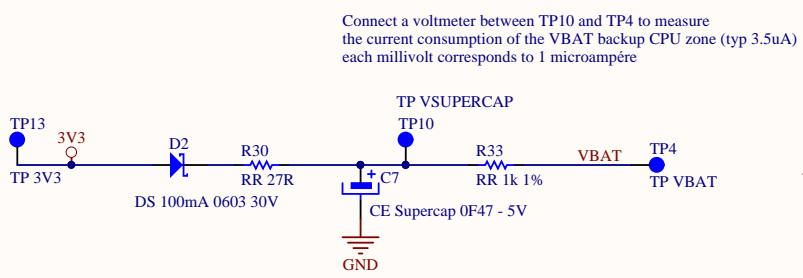


1-2 3V3 Power Regulator subject to SHDN status
 1-3 3V3 Power Regulator always ON

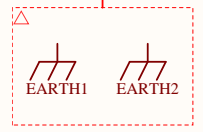


Connect a voltmeter between on J13 to measure the current consumption of the RoadRunner on 3V3 each millivolt corresponds to 10 milliampère

Connect a voltmeter between TP10 and TP4 to measure the current consumption of the VBAT backup CPU zone (typ 3.5uA) each millivolt corresponds to 1 microampère

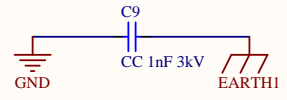


Net Class
 ①
 ClassName: EARTH



Dismount R40 and mount J14 to be able to switch off LED for power consumption measurements

VDDSDMMC powers many CPU pins. Decide here if powering them off when you switch off microSD



Title BertaD2 Power			ACME Systems srl
Size: A4	Number:	Revision: 1.1	www.acmesystems.it
Date: 01/08/18	Time: 11:52:44	Sheet 3 of 3	
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