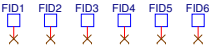
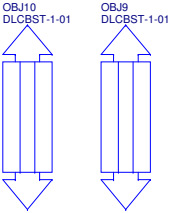


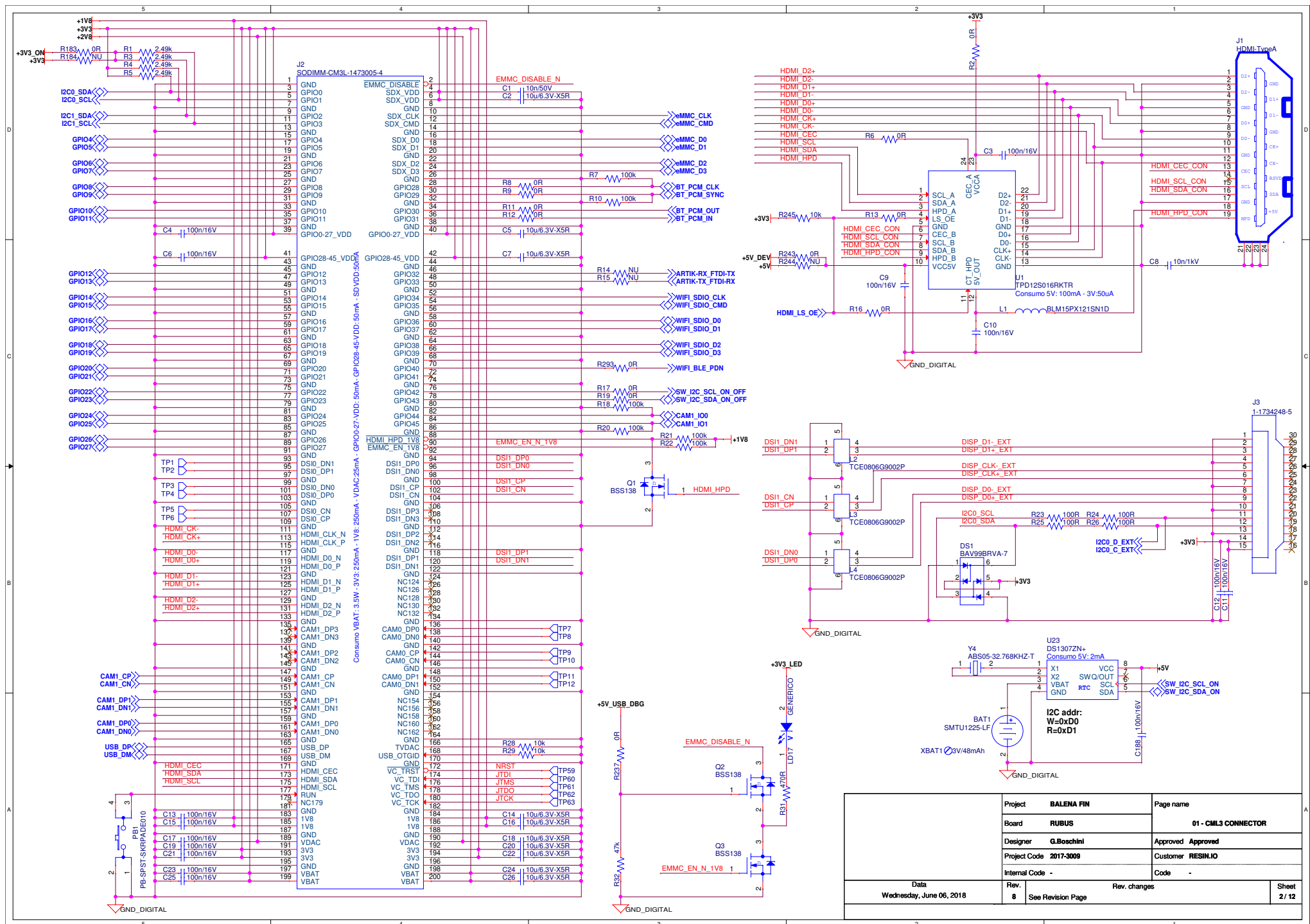
Revision	Date	Author	Description
1	13/05/2017	G.Boschini	First Draft
2	26/08/2017	G.Boschini	<ul style="list-style-type: none">- Updated symbol from library- Removed micro SD card interface- Removed Artik 020 USB Debug- Removed Temperature and Humidity sensor- Removed CM3L Jtag connector- Removed Accelerometer and Gyroscope sensor- Removed Battery Backup from Artik- Changed color led +5V and +3v3- Changed Display and Camera connector- Changed WIFI+BLE Module- Changed LED driver functionality (from CM3 or Artik)- Moved on I2C0 Camera, Display and EEPROM HAT- Moved on I2C1 Artik and HAT- Added NanoSIM support- Added extended IO Artik connector- Added Power Disconnection functionality managed by Artik- Corrected SWD Artik pinout- Replaced USB HUB and Ethernet controller with LAN9514
3	20/11/2017	G.Boschini	<ul style="list-style-type: none">- Updated symbol from library- Removed DSW1- Removed FTDI Programm connector (J23)- Replaced HDMI-D connector with HDMI-A connector- Replaced eMMC with Sandisk- Added Power On/Off LED- Added UART connection between Artik and CML via FTDI chip- Added RF-Switch for select antenna- Added 5V protection for power-up from HAT- Added Power switch for powerdown 5V device (USB HOST, HDMI)- Added PullUp on HDMI_LS_OE signal- Added mPCIe Reset functionality- Improved capacitor at DC input of mPCIe- Changed project name from Amber to Rubus- Changed HAT fuse to 3A- Changed PullDown LED RGB Resistor- Changed Voltage Input Rail up to 30V
4	02/01/2018	G.Boschini	<ul style="list-style-type: none">- Correct PCB Led Silkscreen
5	17/01/2018	G.Boschini	<ul style="list-style-type: none">- Removed UART Bluetooth connection- Changed I2C bus for RTC, Artik 020, CM3, IO Expander and isolated RTC and Artik bus from IO Expander and CM3 when CM3 is not powered- Modified 5V HAT Power Supply- Enable W.Disable_mPCIe- Removed Wifi clock enable- Added switch for selection of Wifi antennas and removed signal from CM3- Added capacitors on 5V of USB Host output- Removed RGB Led- Added serial connection from CM3 to Artik- Added SWO connection from CM3 to Artik- Moved HDMI Enable and PDN Wifi to IO Expander- Replaced power input connector with black version
6	06/02/2018	G.Boschini	<ul style="list-style-type: none">- Updated symbol from library- Corrected SW-I2C net name- Added RGB Led- Removed SWO connection from CM3 to Artik- Moved PDN Wifi to CM3- Moved HDMI_LS_OE to IO3 of IO Expander
7	22/02/2018	G.Boschini	<ul style="list-style-type: none">- Removed logo from silkscreen
8	17/05/2018	G.Boschini	<ul style="list-style-type: none">- Added FIN logo on silkscreen- Changed value of R259,R264,C218,C219,C222,C224,C227,C228,C229,C230

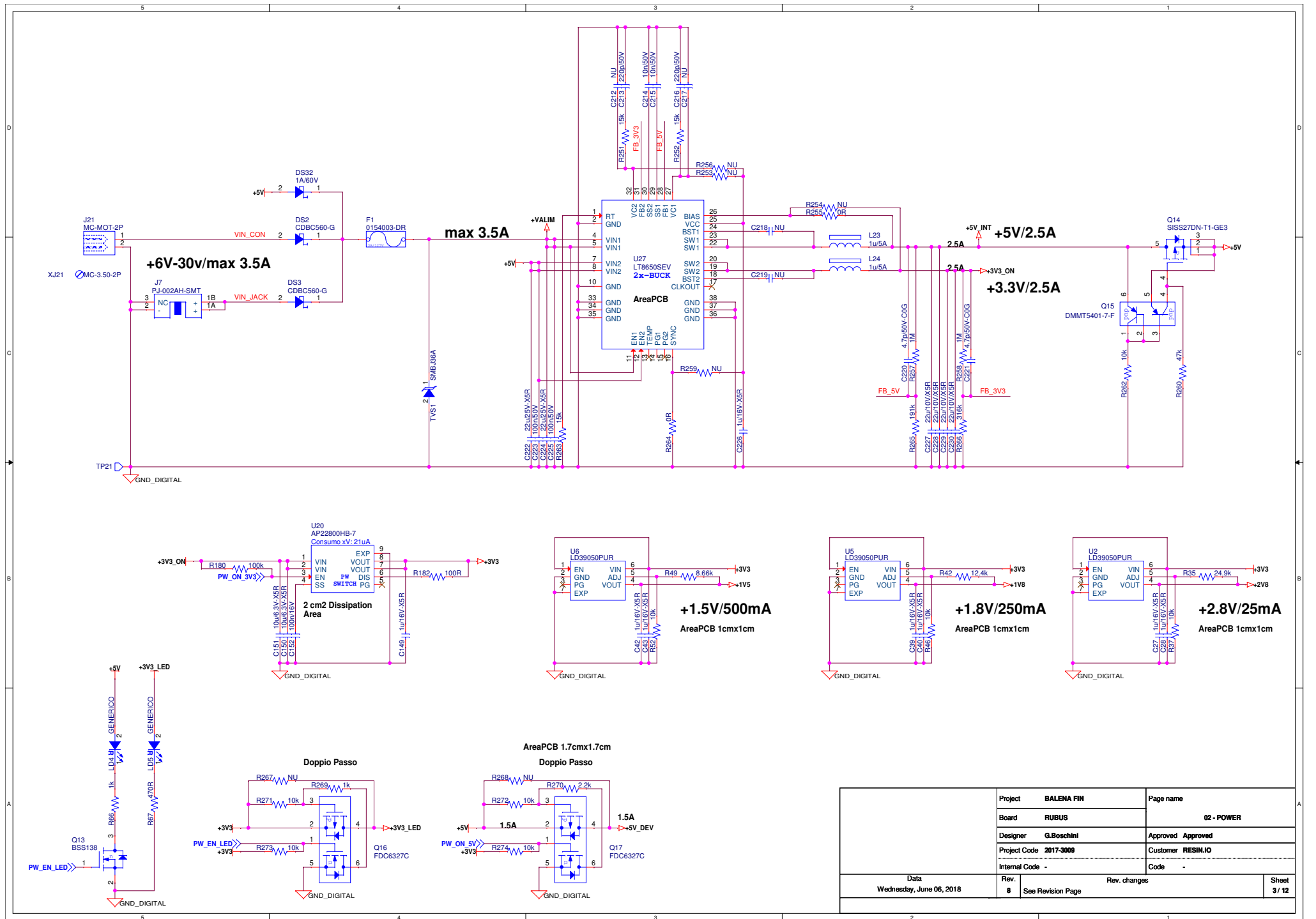


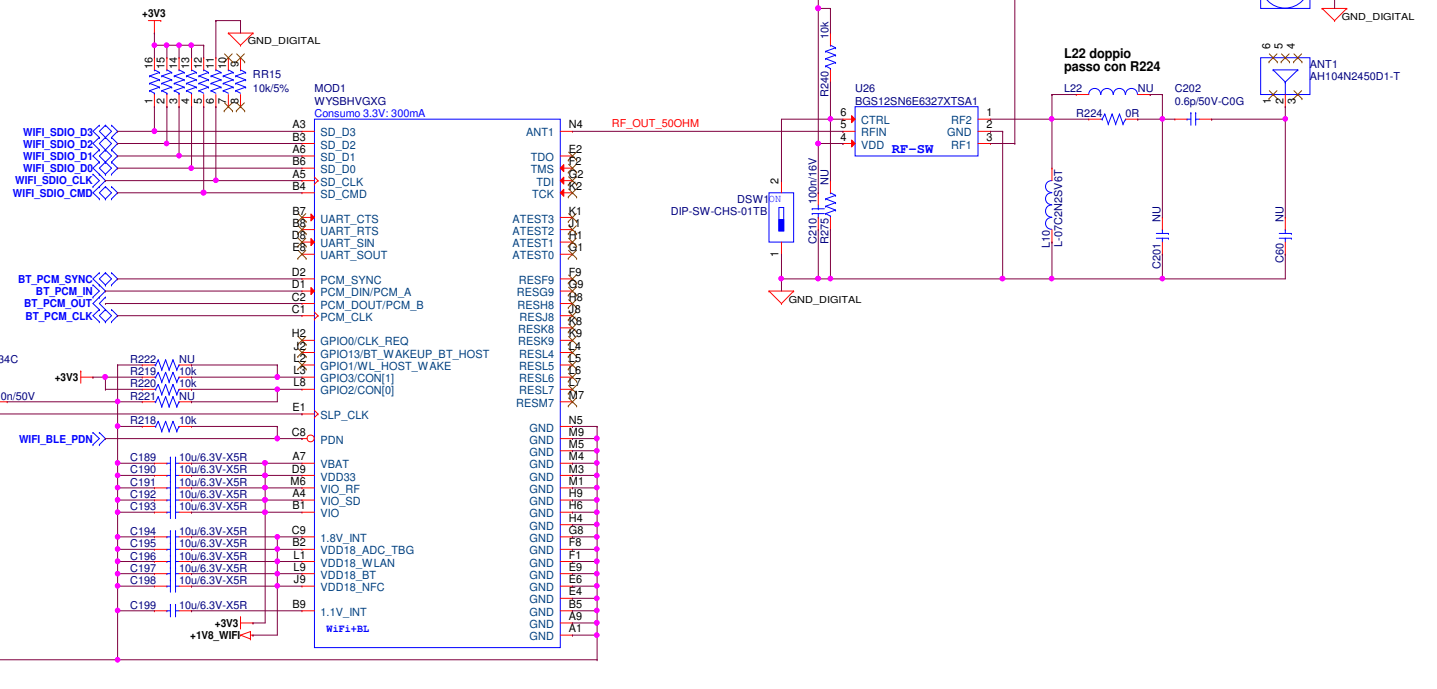
Test Point SPEA



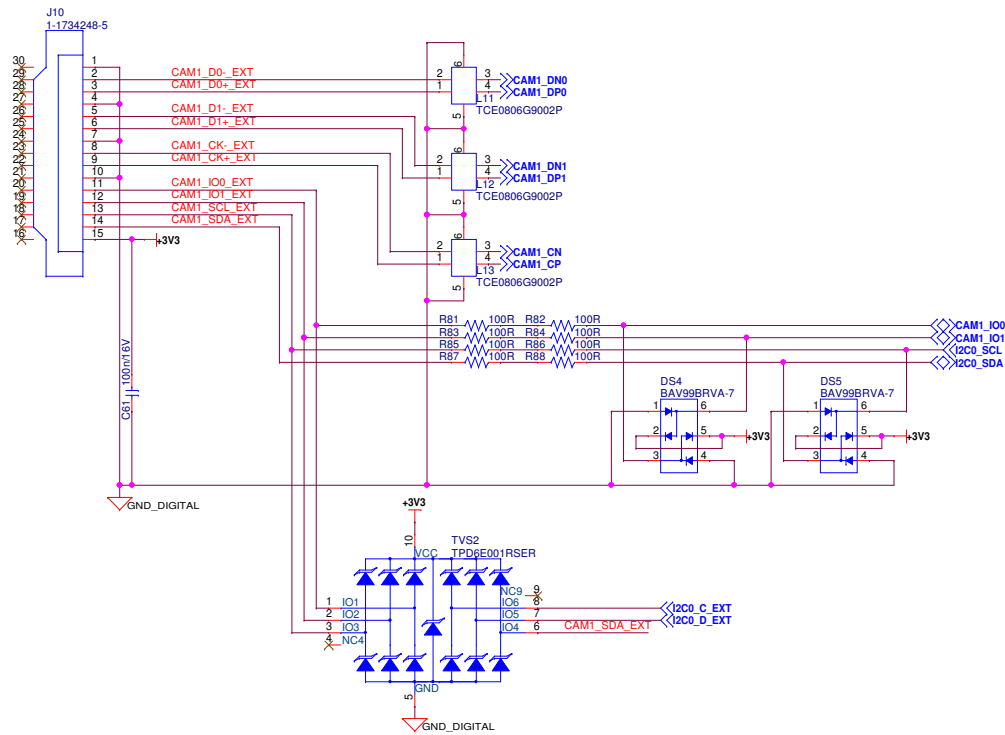
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Data		Rev.	Rev. changes	
Wednesday, June 06, 2018		8	See Revision Page	Sheet 1 / 12



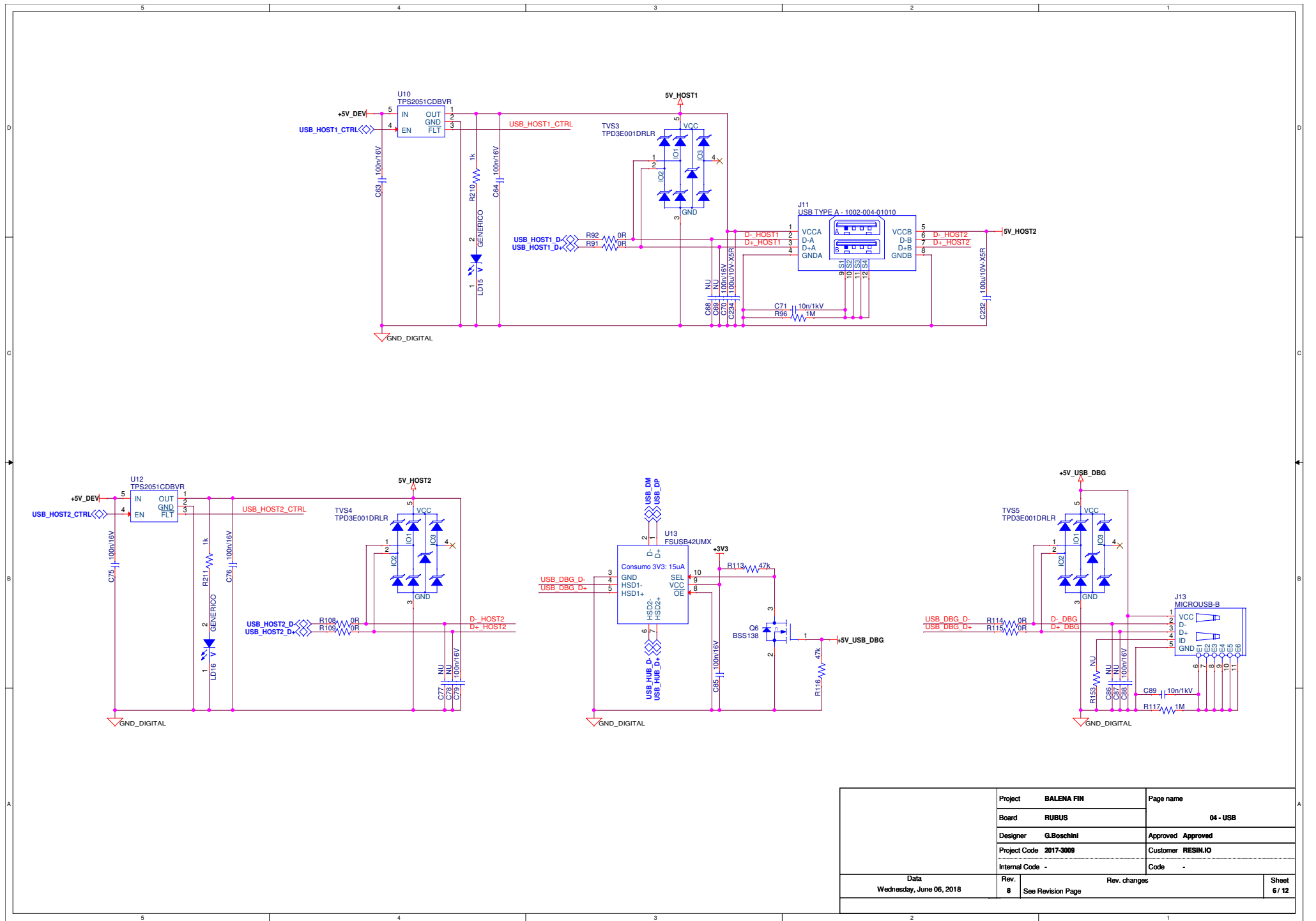




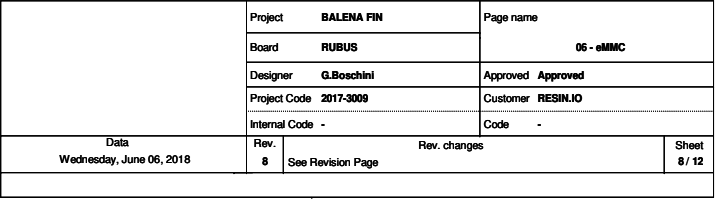
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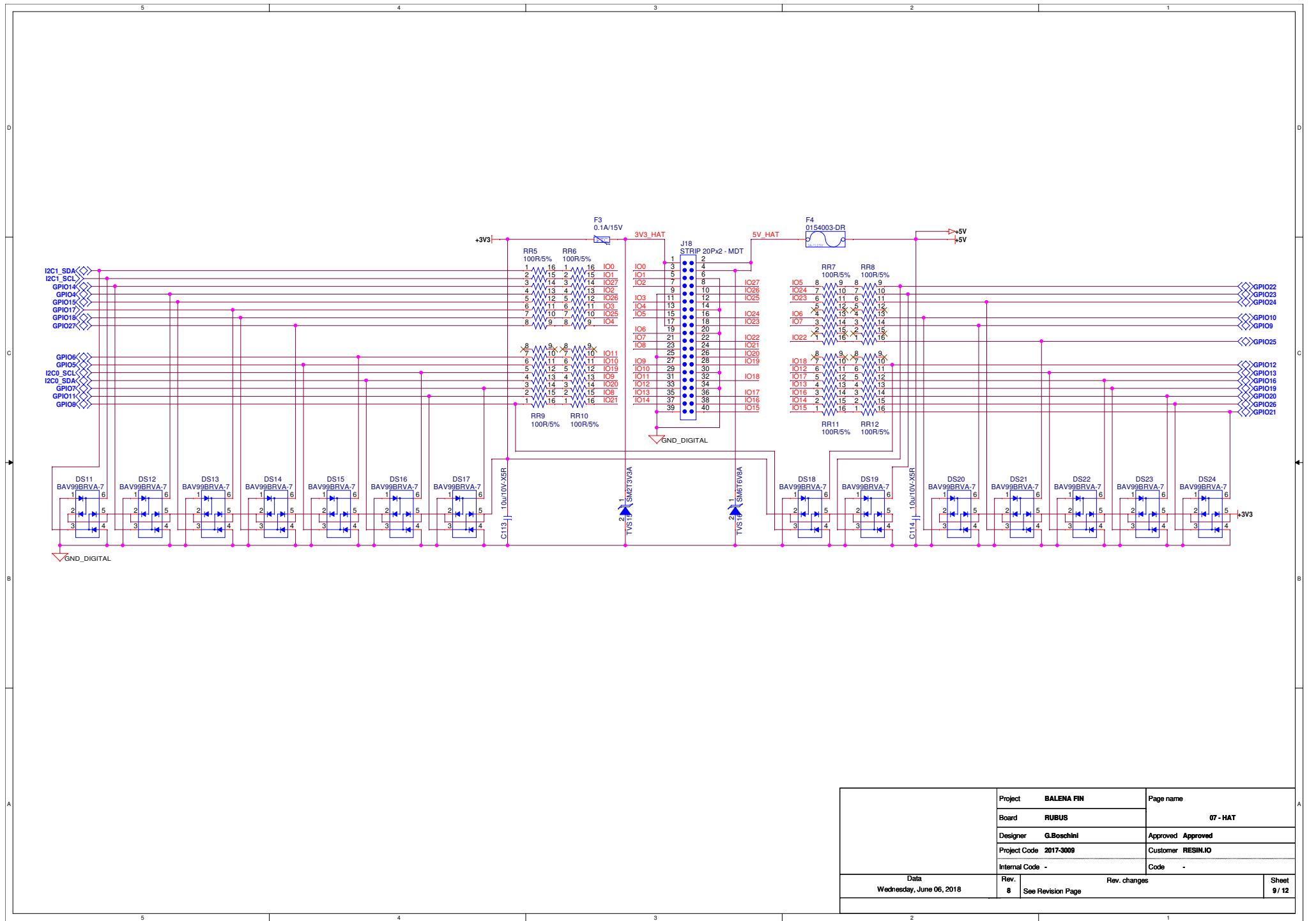


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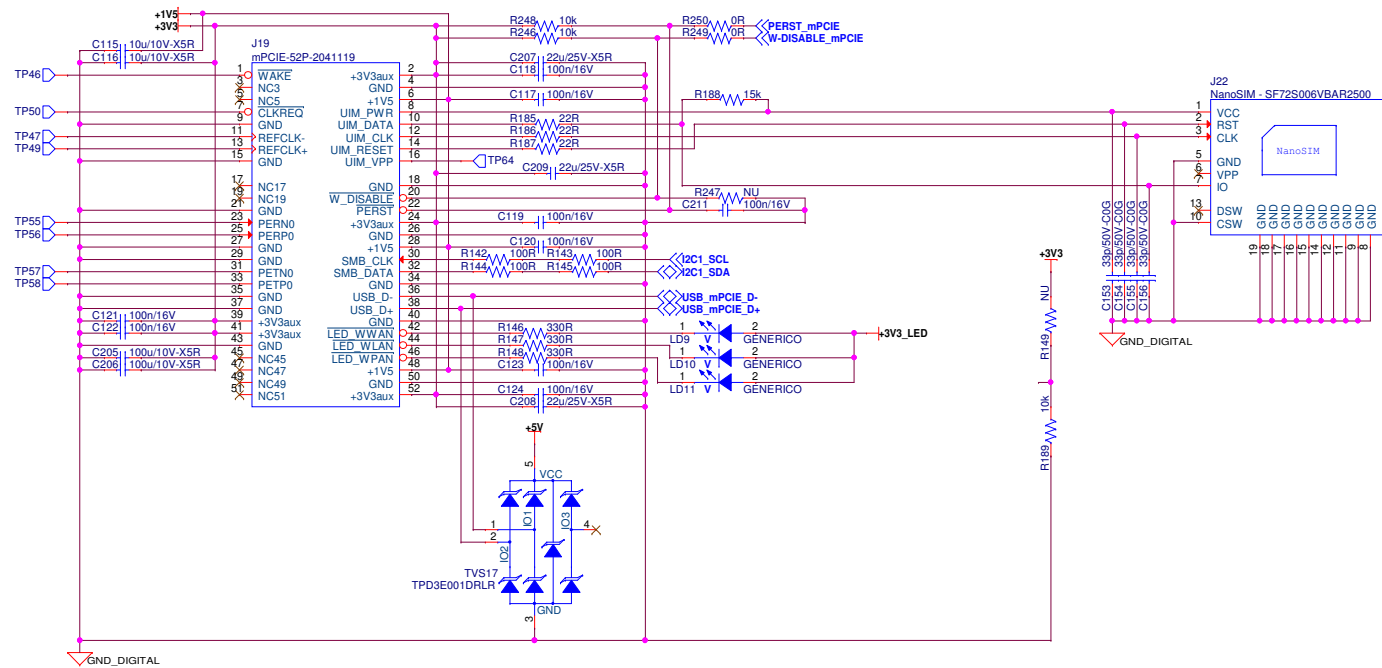


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				Sheet 6 / 12

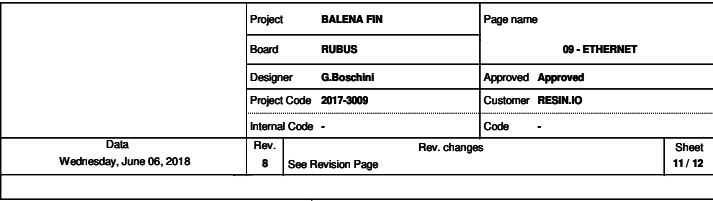


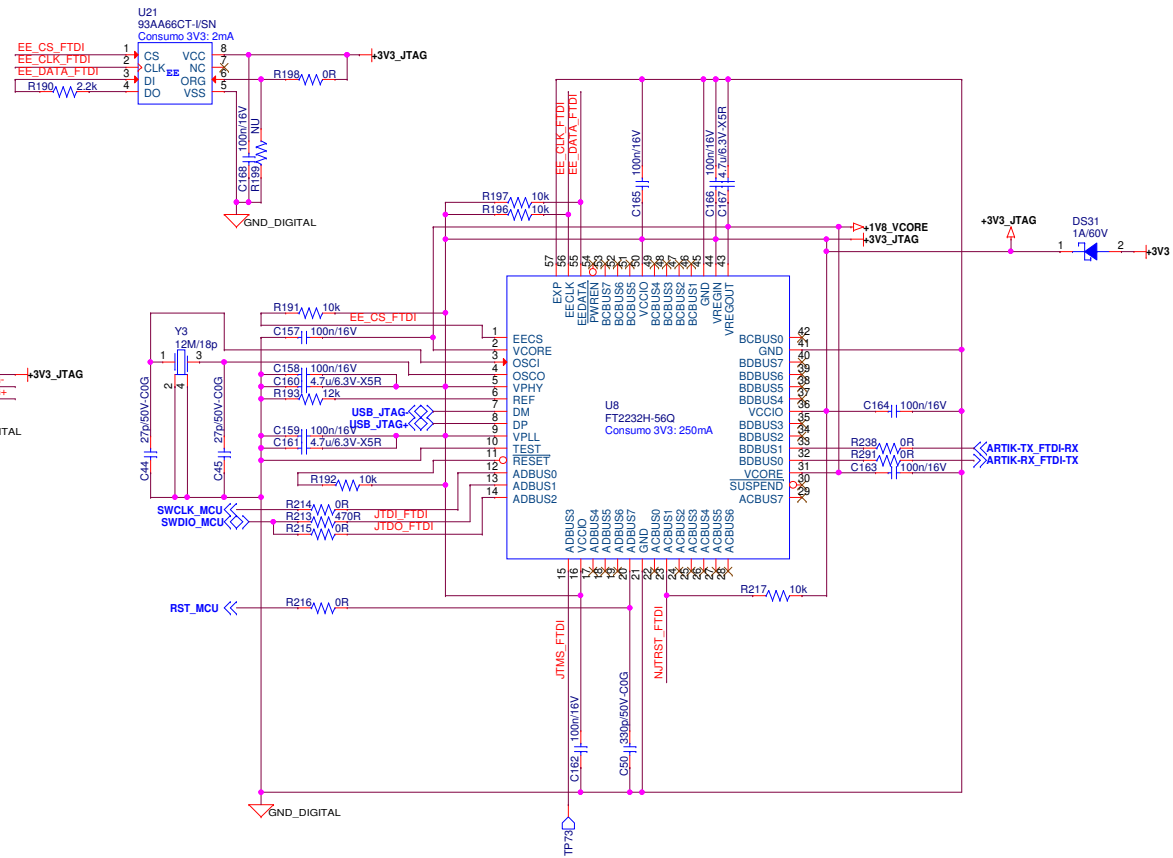


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Data Wednesday, June 06, 2018		Rev. 8	Rev. changes See Revision Page	
				Sheet 9 / 12



	Project	BALENA FIN	Page name	
	Board	RUBUS	08 - mPCIe	
	Designer	G.Boschini	Approved	Approved
	Project Code	2017-3009	Customer RESIN.IO	
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Data	Rev.	Rev. changes		Sheet
Wednesday, June 06, 2018	8	See Revision Page		10 / 12





	Project BALENA FIN		Page name	
	Board RUBUS		10 - USB-JTAG	
	Designer G.Boschini		Approved Approved	
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				Sheet 12 / 12