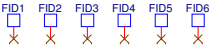
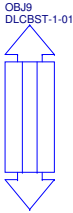


Revision	Date	Author	Description
1	13/05/2017	G.Boschini	First Draft
2	26/08/2017	G.Boschini	<ul style="list-style-type: none"><li>- Updated symbol from library</li><li>- Removed micro SD card interface</li><li>- Removed Artik 020 USB Debug</li><li>- Removed Temperature and Humidity sensor</li><li>- Removed CM3L Jtag connector</li><li>- Removed Accelerometer and Gyroscope sensor</li><li>- Removed Battery Backup from Artik</li><li>- Changed color led +5V and +3v3</li><li>- Changed Display and Camera connector</li><li>- Changed WIFI+BLE Module</li><li>- Changed LED driver functionality (from CM3 or Artik)</li><li>- Moved on I2C0 Camera, Display and EEPROM HAT</li><li>- Moved on I2C1 Artik and HAT</li><li>- Added NanoSIM support</li><li>- Added extended IO Artik connector</li><li>- Added Power Disconnection functionality managed by Artik</li><li>- Corrected SWD Artik pinout</li><li>- Replaced USB HUB and Ethernet controller with LAN9514</li></ul>
3	20/11/2017	G.Boschini	<ul style="list-style-type: none"><li>- Updated symbol from library</li><li>- Removed DSW1</li><li>- Removed FTDI Programm connector (J23)</li><li>- Replaced HDMI-D connector with HDMI-A connector</li><li>- Replaced eMMC with Sandisk</li><li>- Added Power On/Off LED</li><li>- Added UART connection between Artik and CML via FTDI chip</li><li>- Added RF-Switch for select antenna</li><li>- Added 5V protection for power-up from HAT</li><li>- Added Power switch for powerdown 5V device (USB HOST, HDMI)</li><li>- Added PullUp on HDMI_LS_OE signal</li><li>- Added mPCIe Reset functionality</li><li>- Improved capacitor at DC input of mPCIe</li><li>- Changed project name from Amber to Rubus</li><li>- Changed HAT fuse to 3A</li><li>- Changed PullDown LED RGB Resistor</li><li>- Changed Voltage Input Rail up to 30V</li></ul>
4	02/01/2018	G.Boschini	<ul style="list-style-type: none"><li>- Correct PCB Led Silkscreen</li></ul>
5	17/01/2018	G.Boschini	<ul style="list-style-type: none"><li>- Removed UART Bluetooth connection</li><li>- 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</li><li>- Modified 5V HAT Power Supply</li><li>- Enable W.Disable_mPCIe</li><li>- Removed Wifi clock enable</li><li>- Added switch for selection of Wifi antennas and removed signal from CM3</li><li>- Added capacitors on 5V of USB Host output</li><li>- Removed RGB Led</li><li>- Added serial connection from CM3 to Artik</li><li>- Added SWO connection from CM3 to Artik</li><li>- Moved HDMI Enable and PDN Wifi to IO Expander</li><li>- Replaced power input connector with black version</li></ul>
6	06/02/2018	G.Boschini	<ul style="list-style-type: none"><li>- Updated symbol from library</li><li>- Corrected SW-I2C net name</li><li>- Added RGB Led</li><li>- Removed SWO connection from CM3 to Artik</li><li>- Moved PDN Wifi to CM3</li><li>- Moved HDMI_LS_OE to IO3 of IO Expander</li></ul>
7	22/02/2018	G.Boschini	<ul style="list-style-type: none"><li>- Removed logo from silkscreen</li></ul>
8	17/05/2018	G.Boschini	<ul style="list-style-type: none"><li>- Added FIN logo on silkscreen</li><li>- Changed value of R259,R264,C218,C219,C222,C224,C227,C228,C229,C230</li></ul>

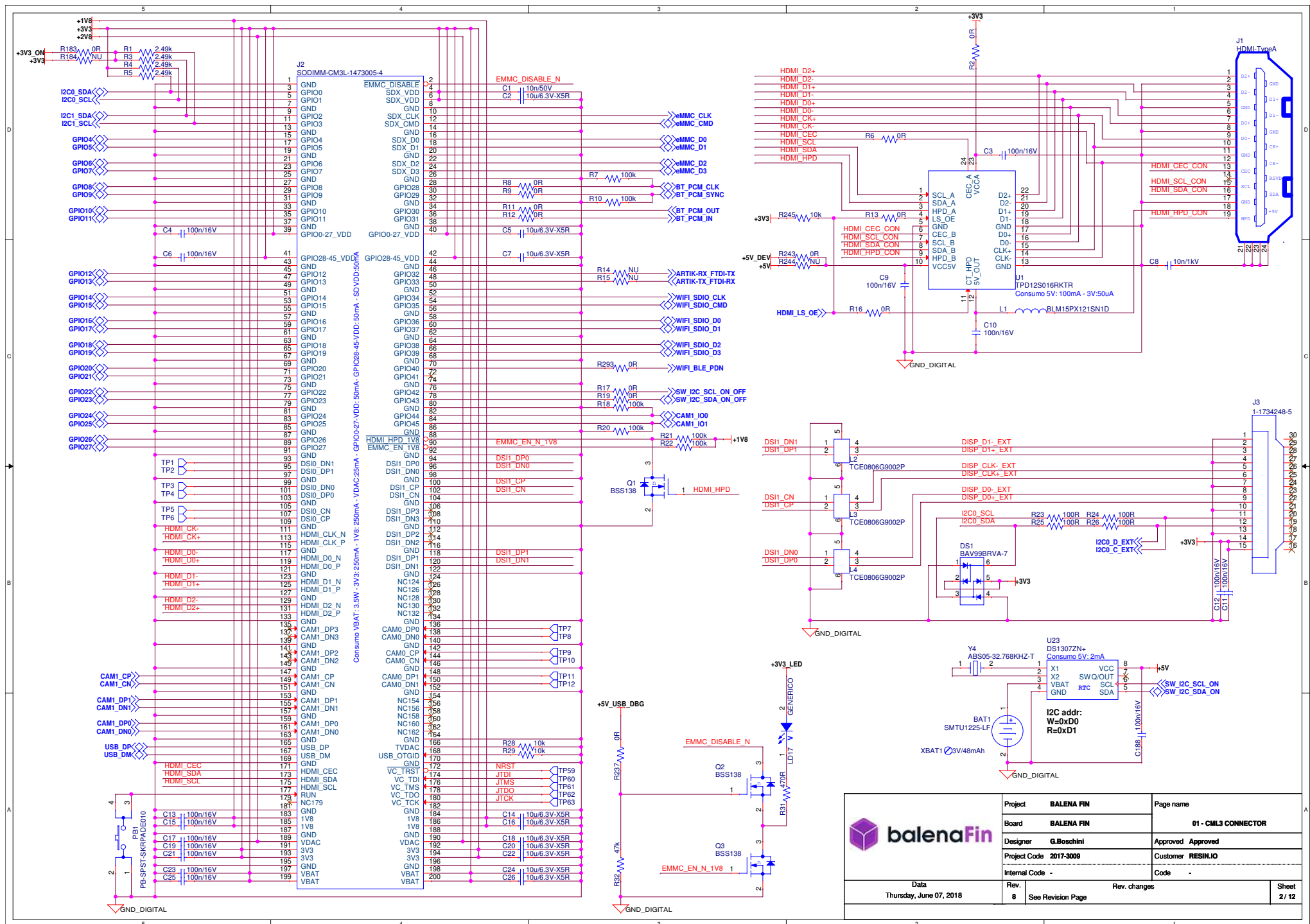


Test Point SPEA

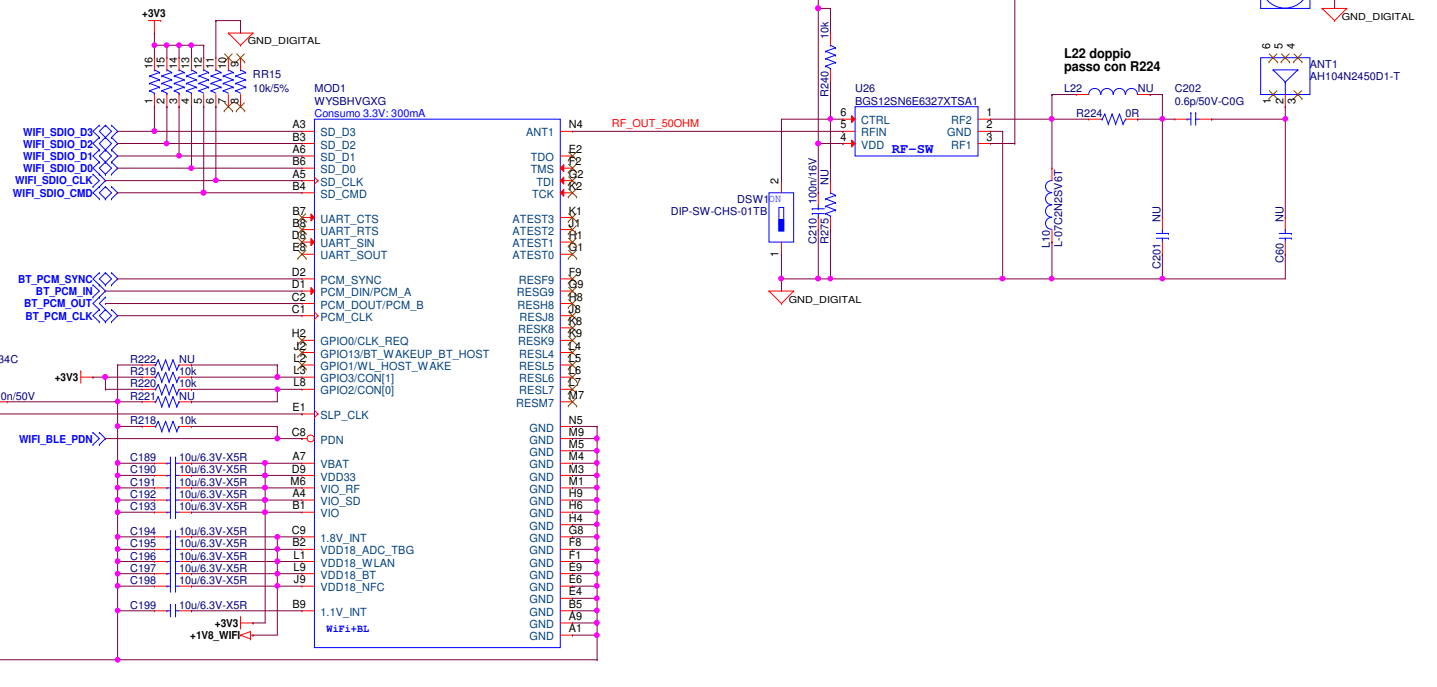



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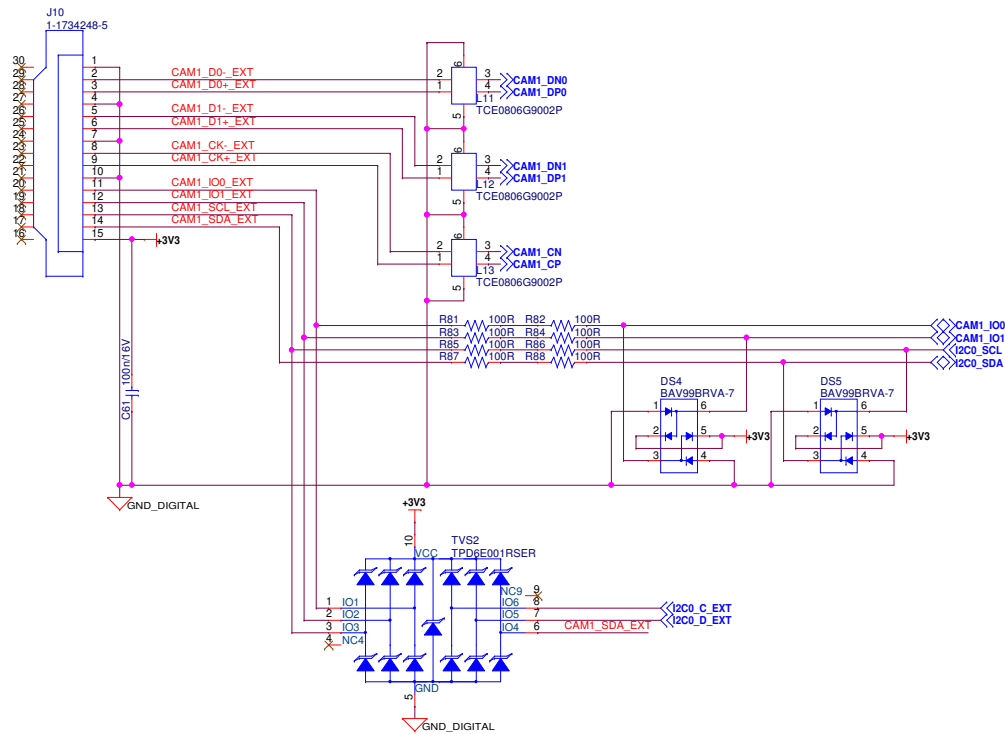
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Data		Rev.	Rev. changes	
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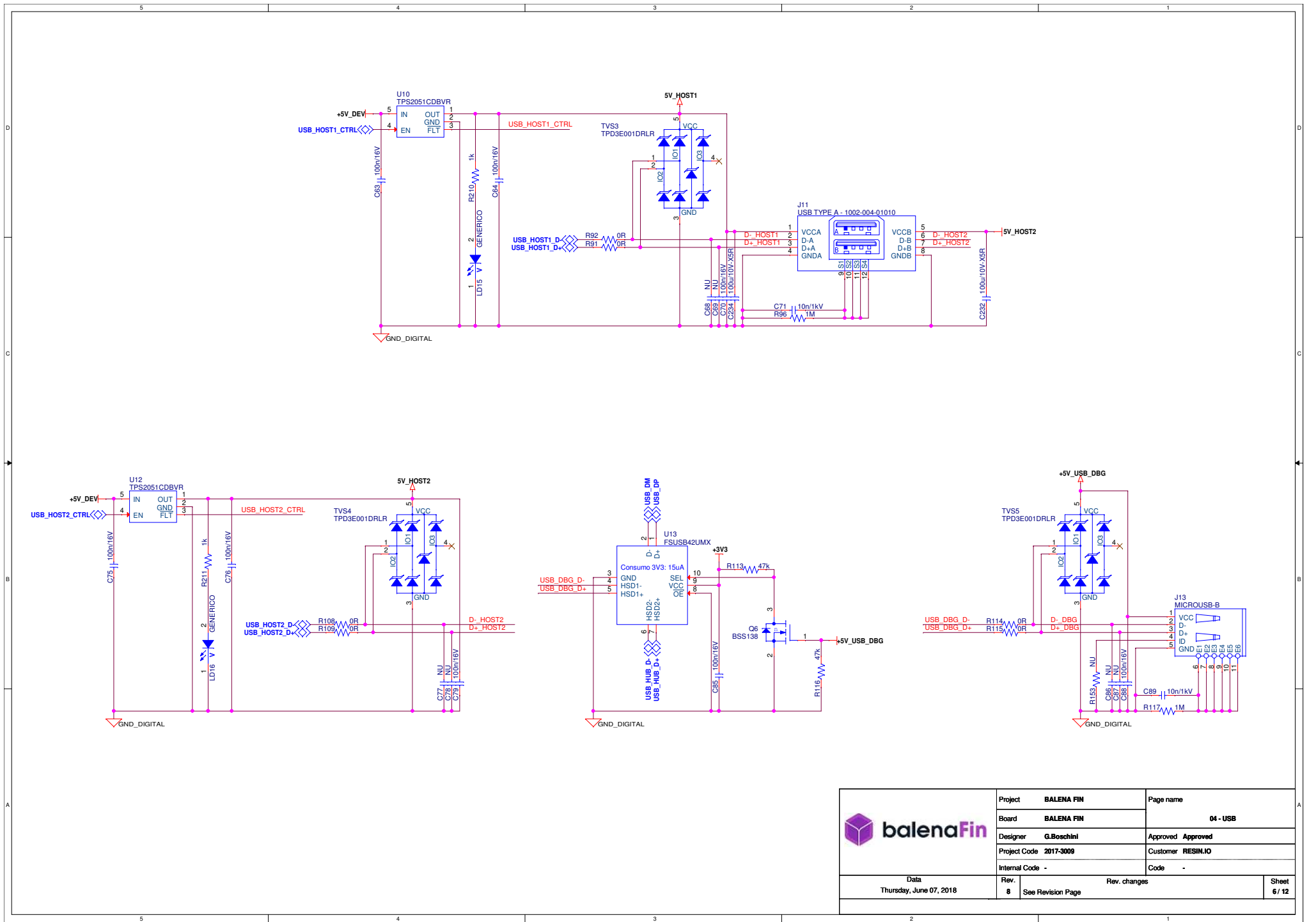





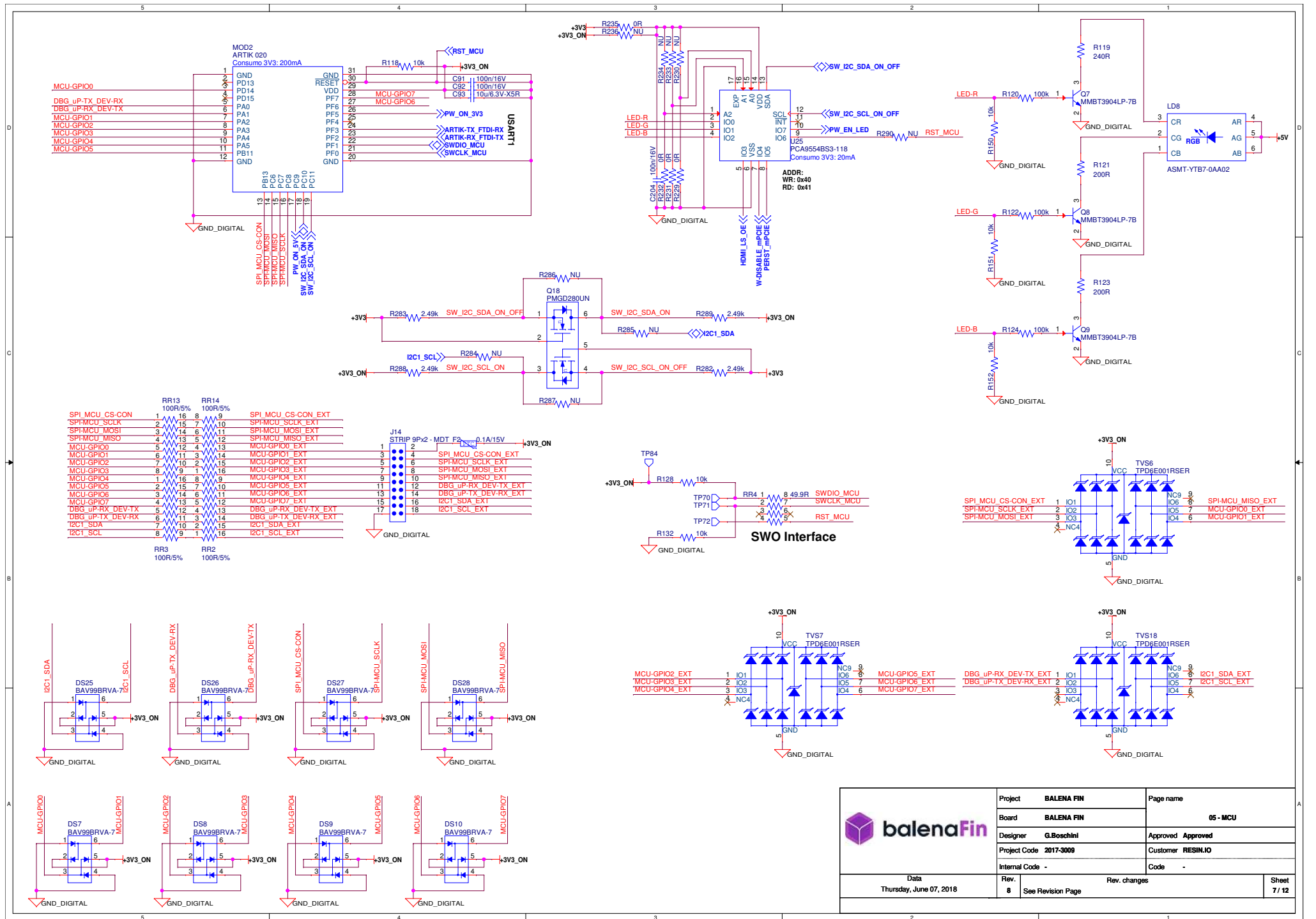
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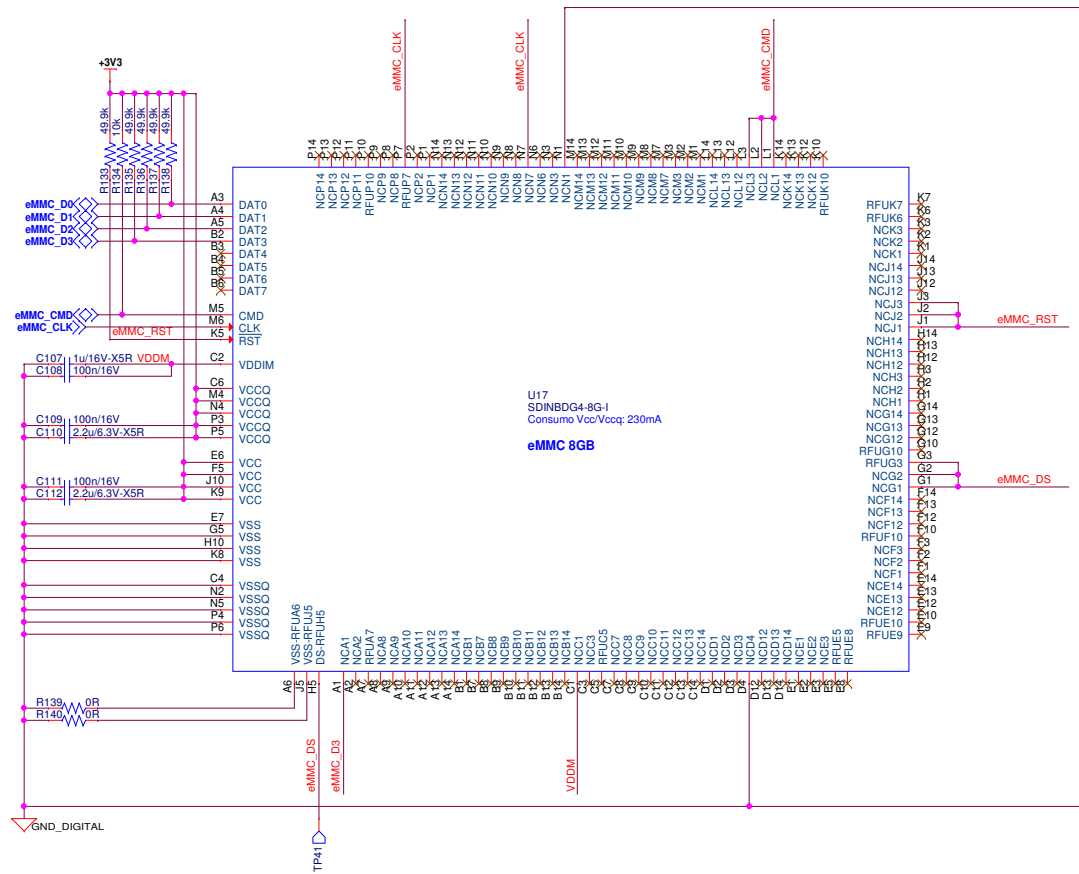
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	Designer	G.Boschini	Approved Approved	
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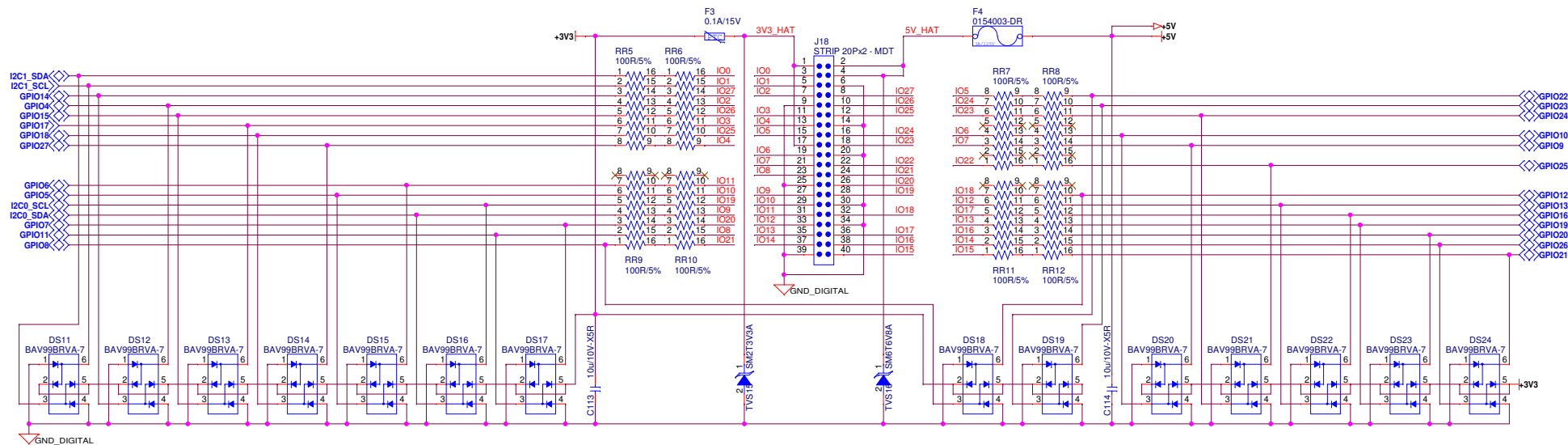



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		Project	BALENA FIN	Page name	
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	Project	BALENA FIN	Page name	
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