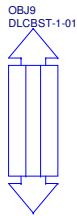
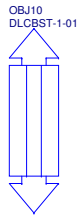


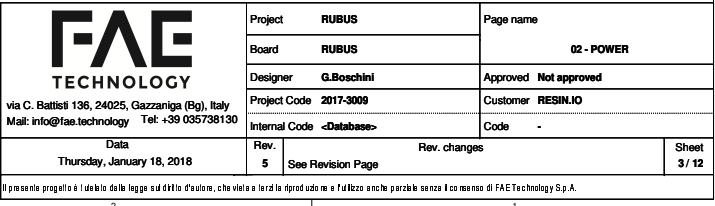
Revision	Date	Author	Description
1	13/05/2017	G.Boschini	First Draft
2	26/08/2017	G.Boschini	<ul style="list-style-type: none"><li>- Updated symbol from library</li><li>- Removed micro SD card interface</li><li>- Removed Artik 020 USB Debug</li><li>- Removed Temperature and Humidity sensor</li><li>- 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 SWO 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>
4	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 HWT Enable and PWN Wifi to IO Expander</li><li>- Replaced power input connector with black version</li></ul>

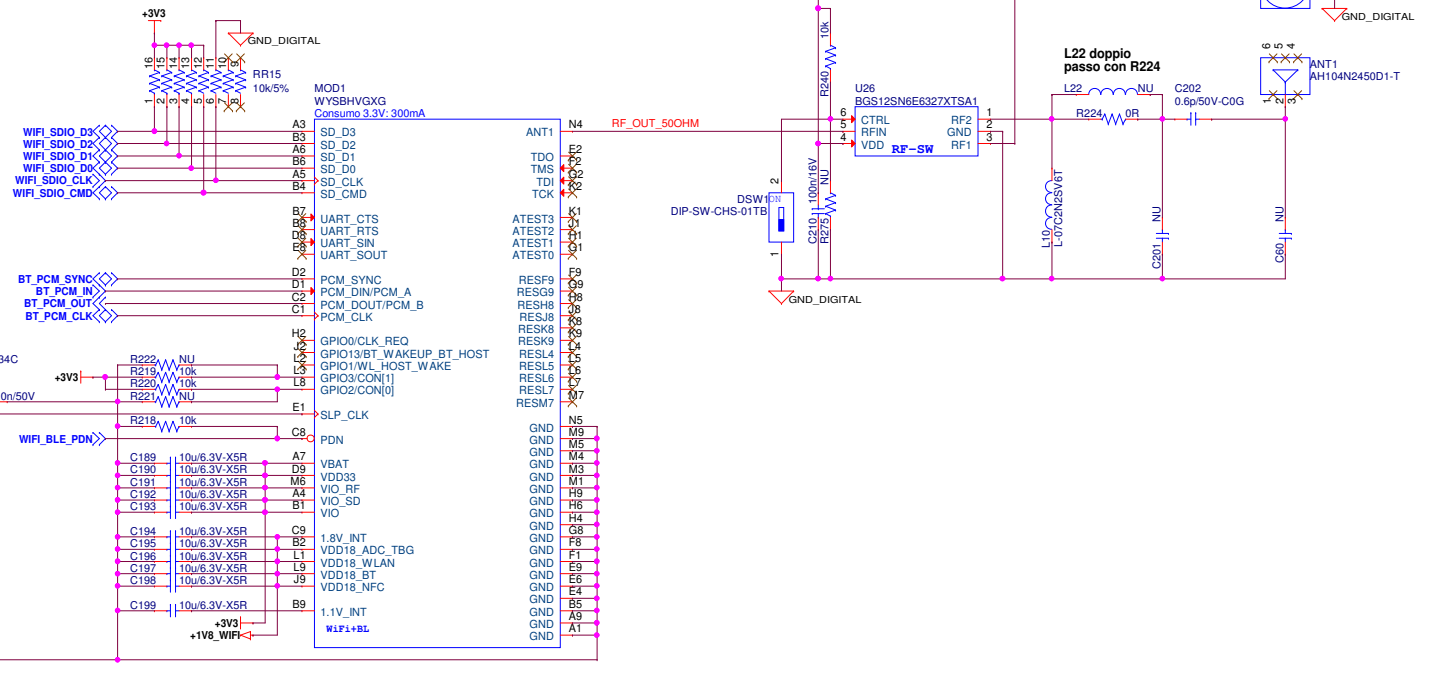


Test Point SPEA

 via C. Battisti 136, 24025, Gazzaniga (Bg), Italy Mail: info@fae.technology Tel: +39 035738130	Project	RUBUS	Page name	
	Board	RUBUS	00 - REVISION	
	Designer	G.Boschini	Approved Not approved	
	Project Code	2017-3009	Customer RESIN.IO	
	Internal Code	<Database>	Code -	
Data		Rev.	Rev. changes	
Thursday, January 18, 2018		5	See Revision Page	Sheet 1 / 12
Il presente progetto è l'output della legge sul diritto d'autore, che vieta la riproduzione anche parziale senza il consenso di FAE Technology S.p.A.				

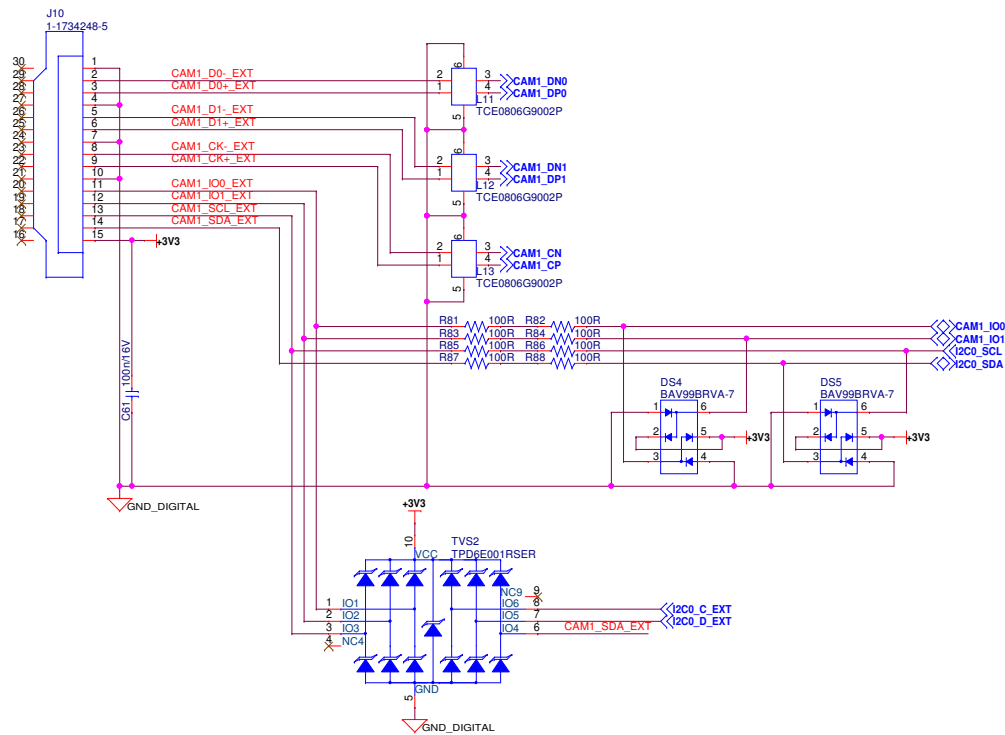




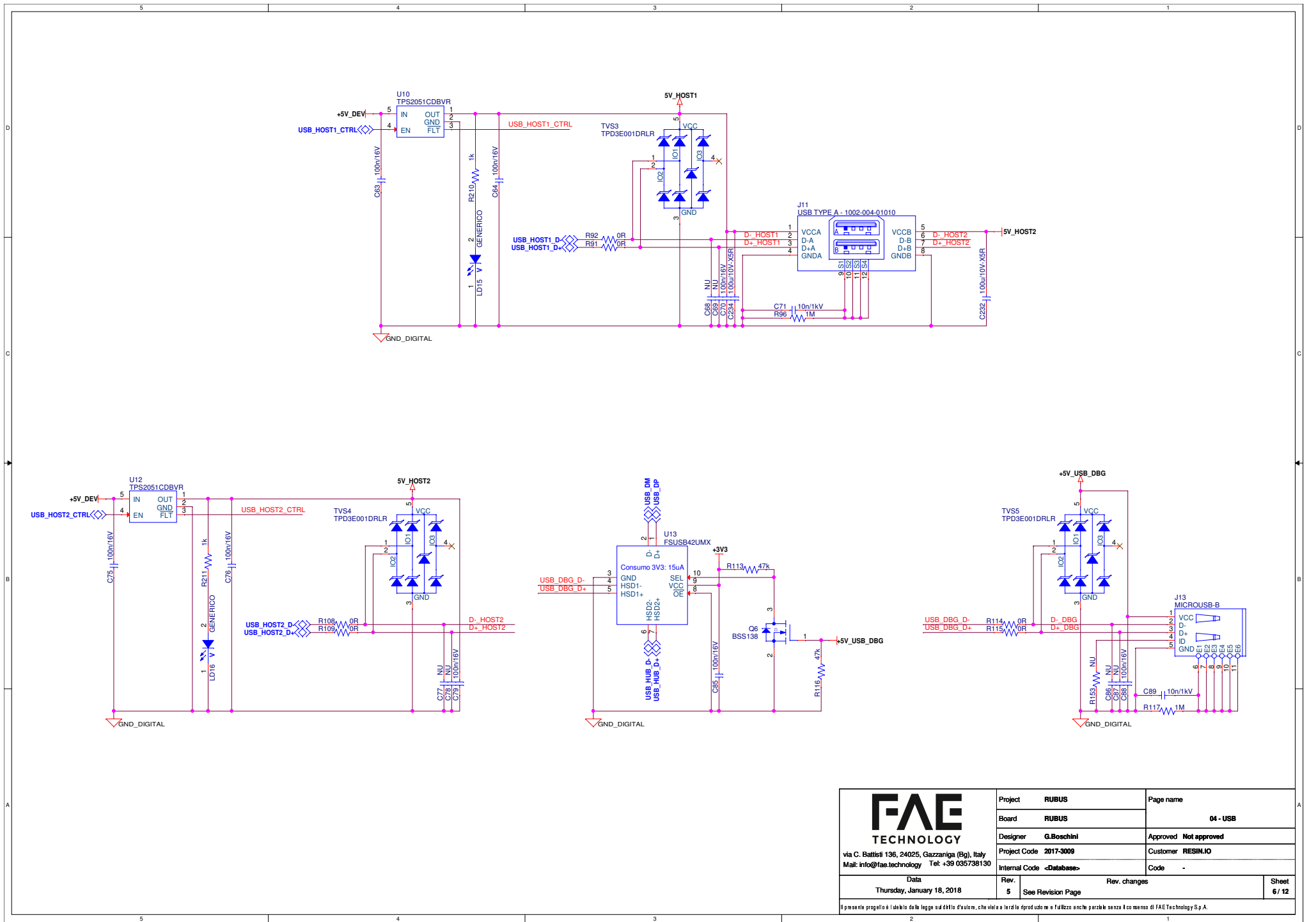



<b>FAE</b> <b>TECHNOLOGY</b> via C. Battisti 136, 24025, Gazzaniga (Bg), Italy Mail: info@fae.technology Tel: +39 035738130	Project	RUBUS	Page name	
	Board	RUBUS	02 - WIFI - BLE	
	Designer	G.Boschini	Approved Not approved	
	Project Code	2017-3009	Customer RESINJO	
	Internal Code	<Database>	Code -	
Data		Rev.	Rev. changes	
Thursday, January 18, 2018		5	See Revision Page	
				Sheet 4 / 12

Il presente progetto è l'output della legge sul diritto d'autore, che vieta la sua riproduzione o l'uso anche parziale senza il consenso di FAE Technology S.p.A.

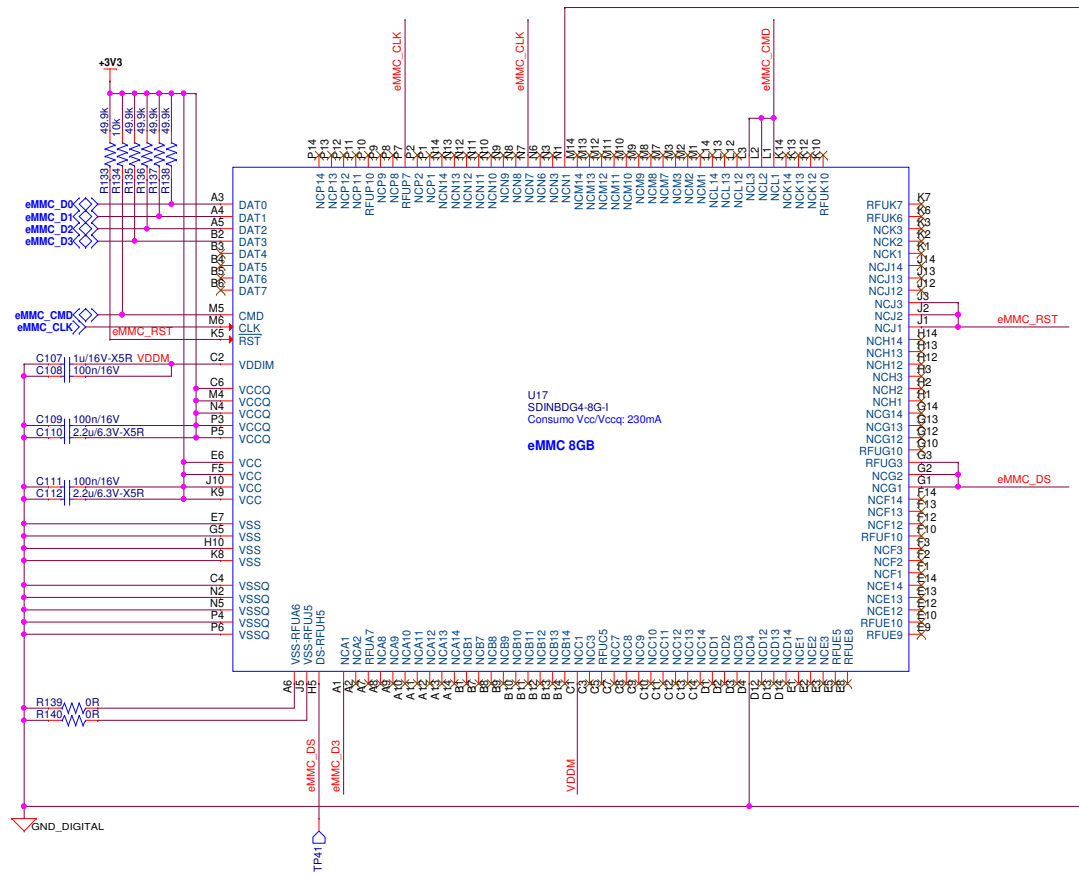


<div><div>FAE</div><div>TECHNOLOGY</div><div>via C. Battisti 136, 24025, Gazzaniga (Bg), Italy</div><div>Mail: info@fae.technology Tel: +39 035738130</div></div>	Project	RUBUS	Page name	
	Board	RUBUS	03 - CAMERA	
	Designer	G.Boschini	Approved Not approved	
	Project Code	2017-3009	Customer RESIN.IO	
	Internal Code	<Database>	Code -	
Data		Rev	Rev. changes	Sheet
Thursday, January 18, 2018		5	See Revision Page	5 / 12
Il presente progetto è l'unico delle leggi sul diritto d'autore, che vieta la sua riproduzione o l'uso anche parziale senza il consenso di FAE Technology S.p.A.				



 via C. Battisti 136, 24025, Gazzaniga (Bg), Italy Mail: info@fae.technology Tel: +39 035738130	Project <b>RUBUS</b>		Page name	
	Board <b>RUBUS</b>		04 - USB	
	Designer <b>G.Boschini</b>		Approved <b>Not approved</b>	
	Project Code <b>2017-3009</b>		Customer <b>RESINIO</b>	
	Internal Code <b>&lt;Database&gt;</b>		Code <b>-</b>	
Data Thursday, January 18, 2018	Rev. <b>5</b>	Rev. changes See Revision Page		Sheet <b>6 / 12</b>
Il presente progetto è l'output delle leggi sul diritto d'autore, che vieta la sua riproduzione anche parziale senza il consenso di FAE Technology S.p.A.				

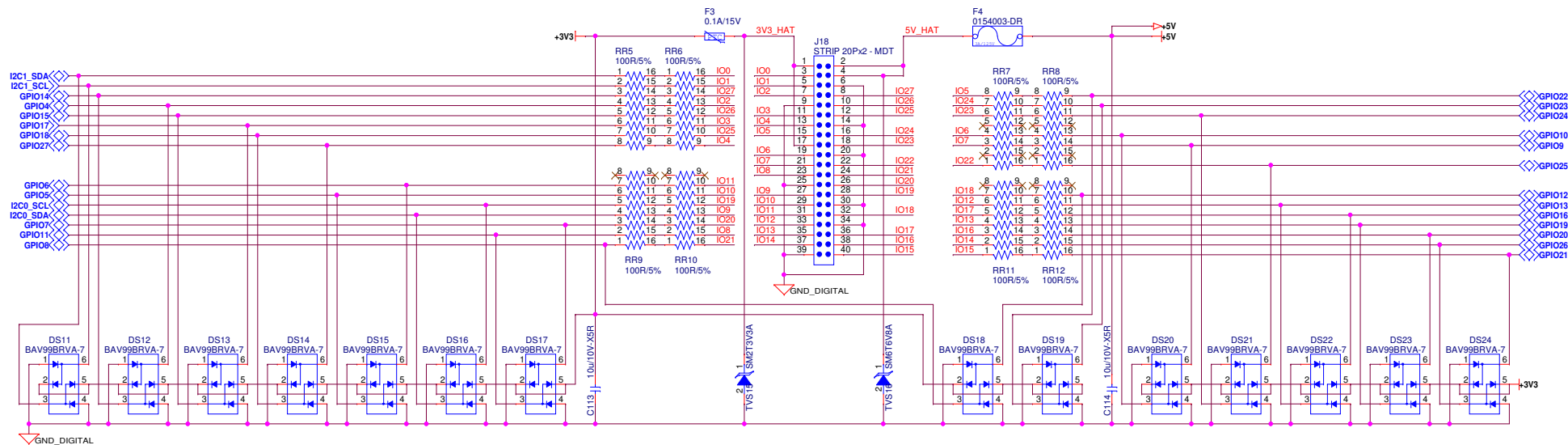




<b>FAE</b> TECHNOLOGY via C. Battisti 136, 24025, Gazzaniga (Bg), Italy Mail: info@fae.technology Tel: +39 035738130		Project	RUBUS	Page name	
		Board	RUBUS	05 - eMMC	
		Designer	G.Boschini	Approved Not approved	
		Project Code	2017-3009	Customer RESINJO	
		Internal Code	<Database>	Code -	
Data		Rev.	Rev. changes		Sheet
Thursday, January 18, 2018		5	See Revision Page		8 / 12

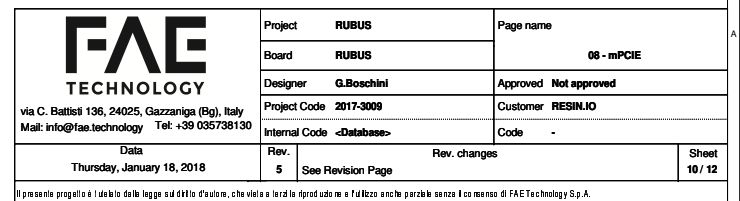
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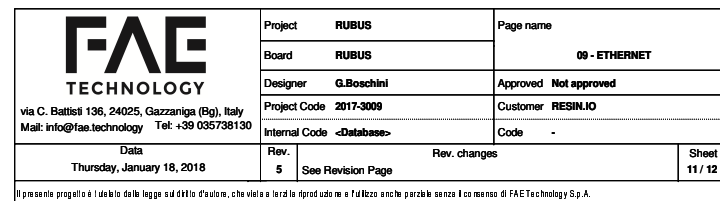


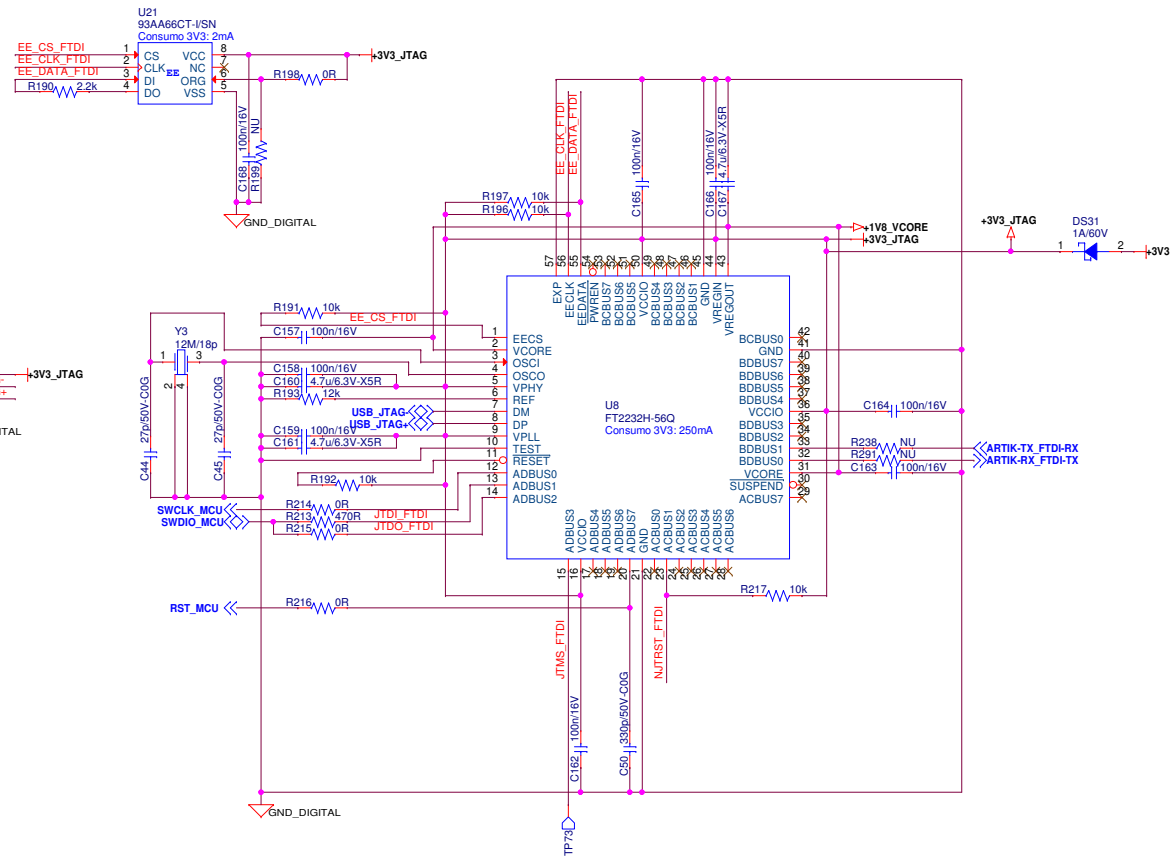


<b>FAE</b> <b>TECHNOLOGY</b> via C. Battisti 136, 24025, Gazzaniga (Bg), Italy Mail: info@fae.technology Tel: +39 035738130	Project	RUBUS	Page name	
	Board	RUBUS	07 - HAT	
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	Project Code	2017-3009	Customer RESINJO	
	Internal Code	<Database>	Code -	
Data		Rev.	Rev. changes	
Thursday, January 18, 2018		5	See Revision Page	Sheet 9 / 12

Il presente progetto è l'output della legge sul diritto d'autore, che vieta la sua riproduzione anche parziale senza il consenso di FAE Technology S.p.A.







<b>FAE</b> TECHNOLOGY via C. Battisti 136, 24025, Gazzaniga (Bg), Italy Mail: info@fae.technology Tel: +39 035738130		Project	RUBUS	Page name	
		Board	RUBUS	10 - USB-JTAG	
Designers Project Code Internal Code		Designer	G.Boschini	Approved	Not approved
		Project Code	2017-3009	Customer	RESIN.IO
Data		Rev.	5	Rev. changes	
Thursday, January 18, 2018		See Revision Page			Sheet 12 / 12

Il presente progetto è l'output della legge sul diritto d'autore, che vieta la sua riproduzione o l'uso anche parziale senza il consenso di FAE Technology S.p.A.