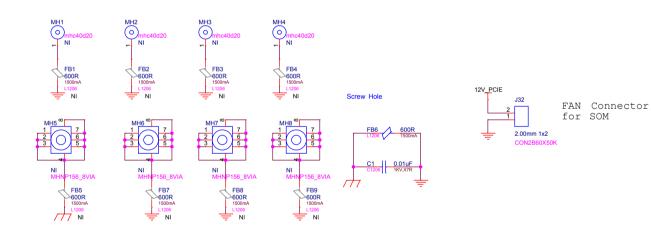
EM-TF-BB-AM5728_V1.1

EM-TF-BB-AM5728

| SHEET | SHEET NAME |
|-------|------------------------------|
| 01 | INDEX |
| 02 | BLOCK DIAGRAM |
| 03 | POWER DIAGRAM |
| 04 | B2B CONN |
| 05 | POWER 5V |
| 06 | POWER 3.3V |
| 07 | PARALLEL CAMERA-0 |
| 08 | PARALLEL CAMERA-1 |
| 09 | MicroSD CARD/WIFI/BT Module |
| 10 | LCD Power |
| 11 | LCD |
| 12 | HDMI/mSATA |
| 13 | PCIE |
| 14 | USB |
| 15 | AUDIO |
| 16 | DI/DO |
| 17 | CAN/RS485 |
| 18 | BUTTON/RTC/BEEP/LEDs/BOOTSEL |
| 19 | Mini PCIE |
| 20 | ETHERNETO |
| 21 | ETHERNET1 |
| 22 | GPMC/UART TO USB/EXP CONN |

Revision History

| DATE | REVISION | DESCRIPTION |
|-----------------|-----------------------|--|
| 24 October 2017 | EM-TF-BB-AM5728_REV00 | Initial Release |
| 14 May 2018 | EM-TF-BB-AM5728_V1.0 | 2nd Release |
| 30 July 2018 | EM-TF-BB-AM5728_V1.1 | Change camera 1.5V input from 1.8V to 2.8V |
| | | |
| | | |

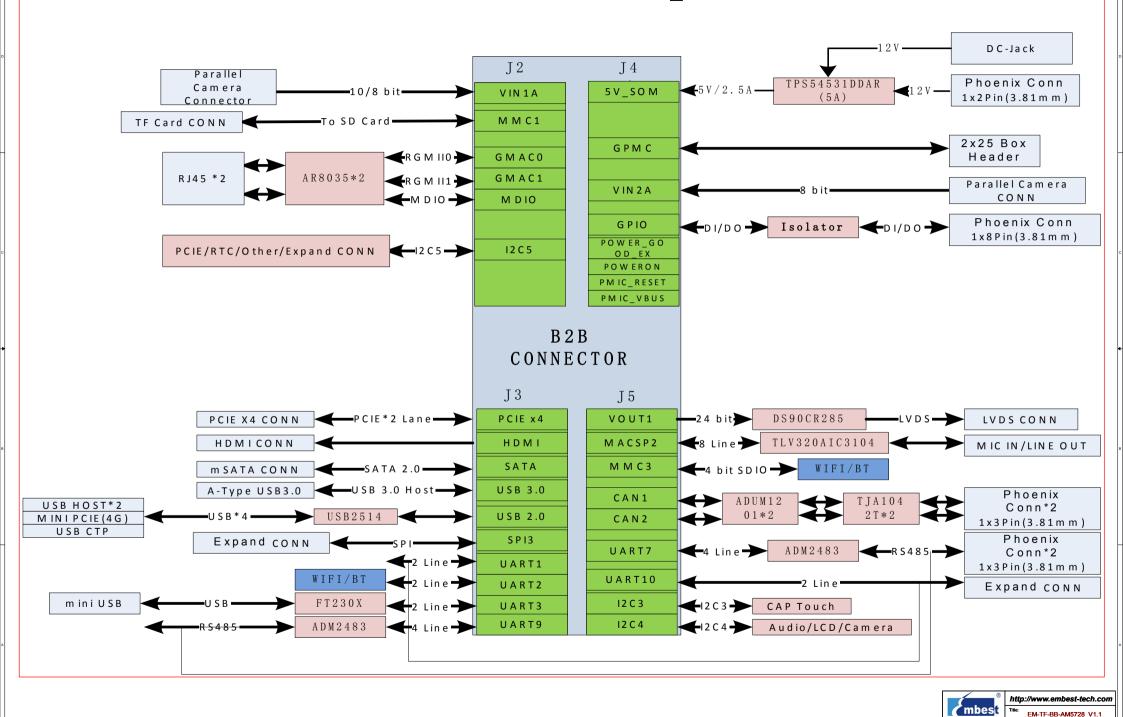




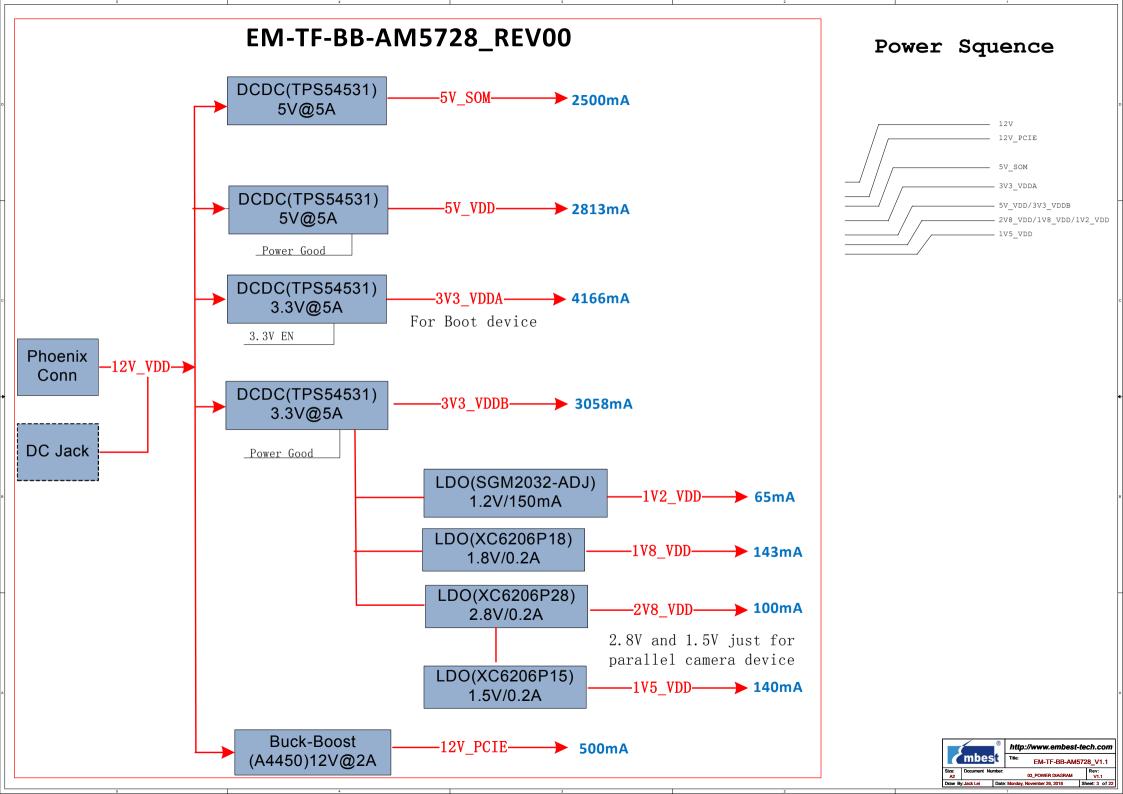


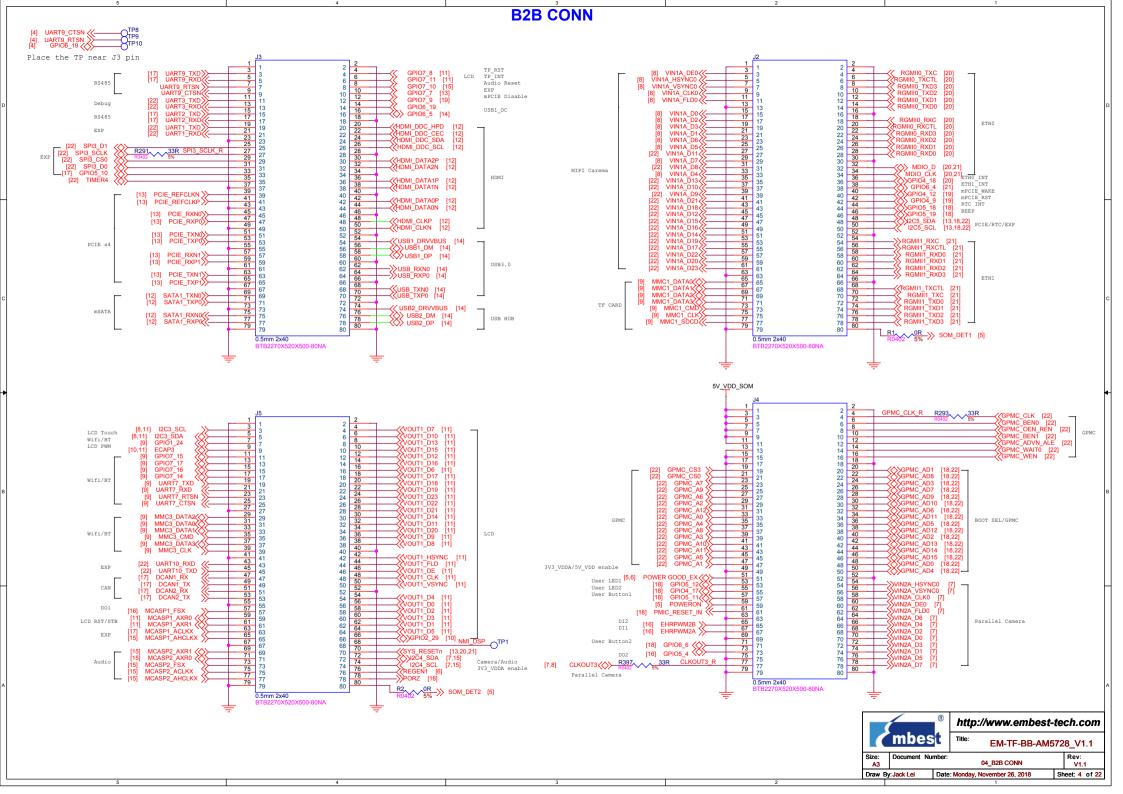


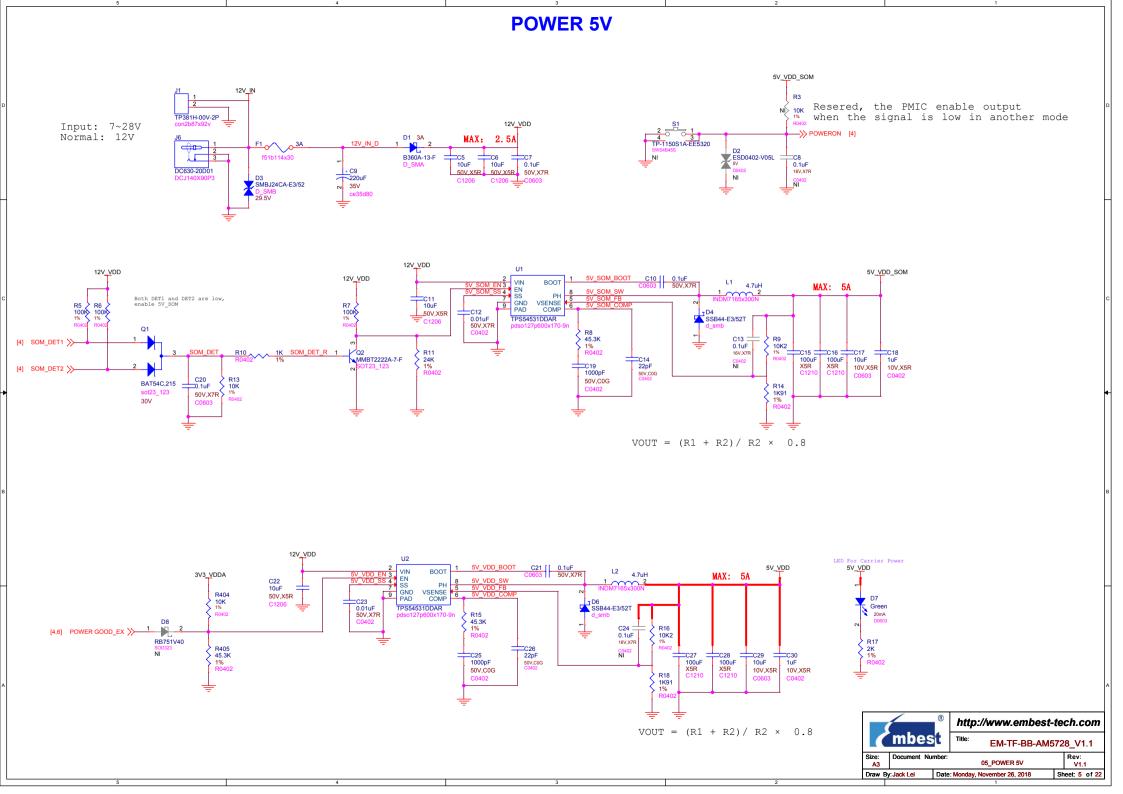
EM -TF-BB-AM 5728_V1.0



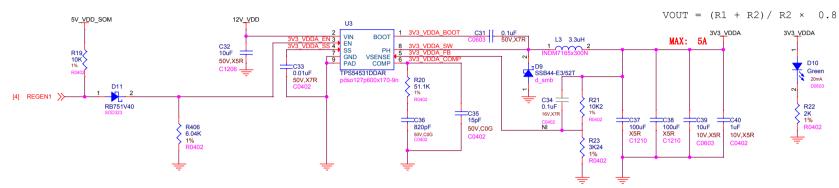
02_BLOCK DIAGRAM



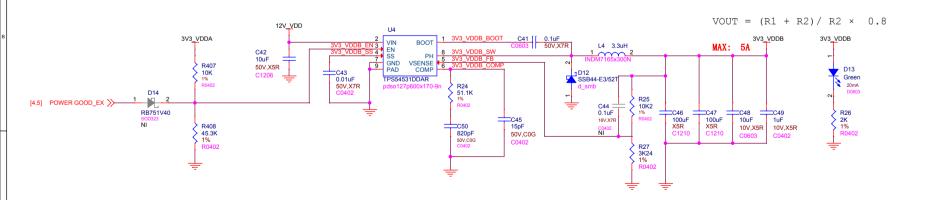




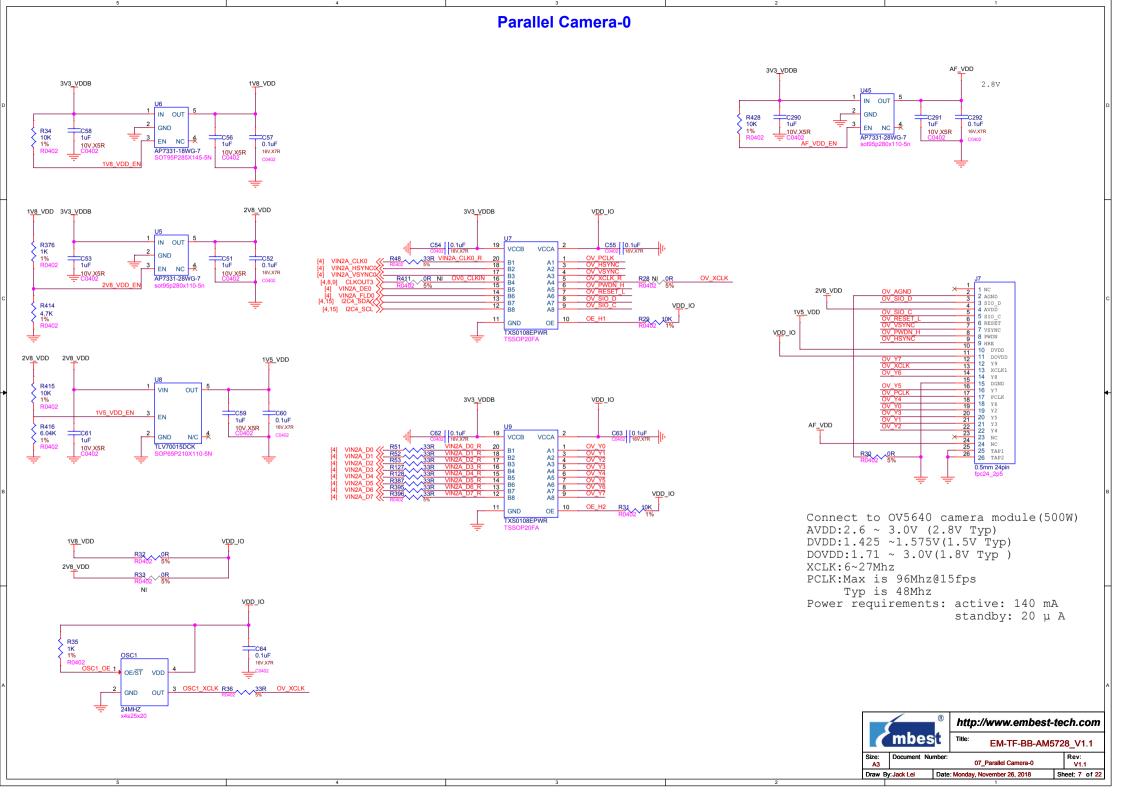
POWER 3V3

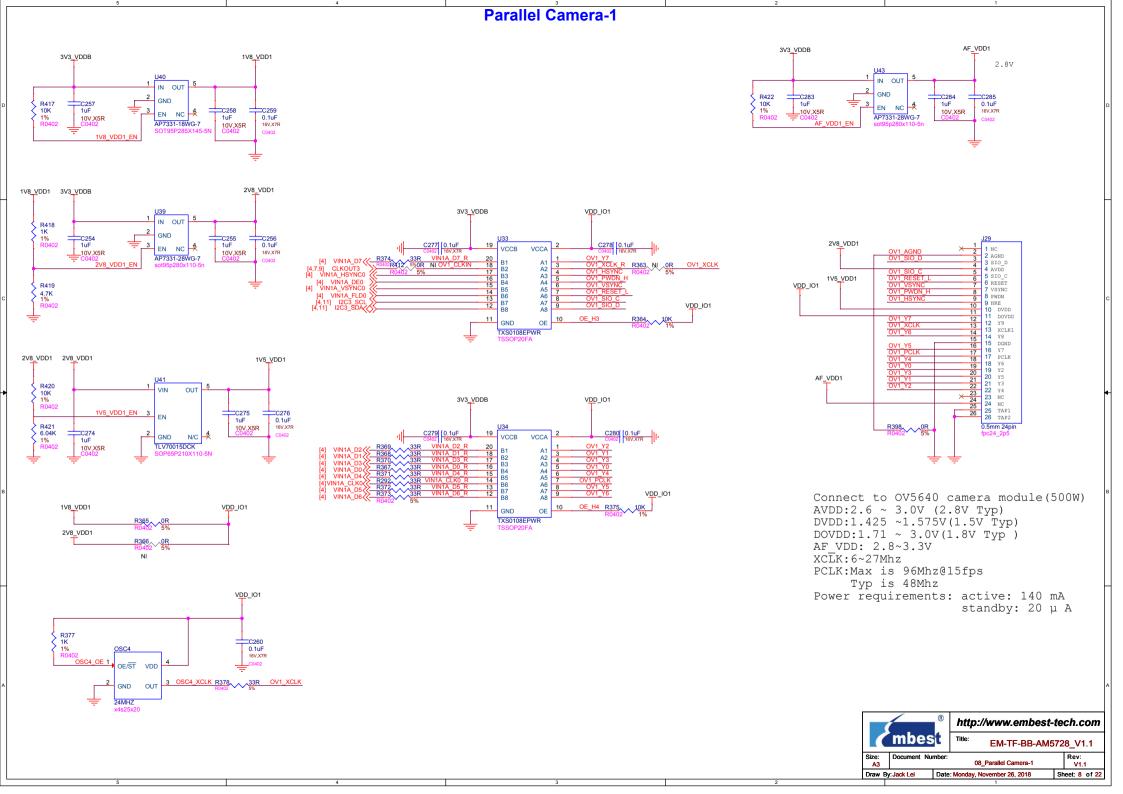


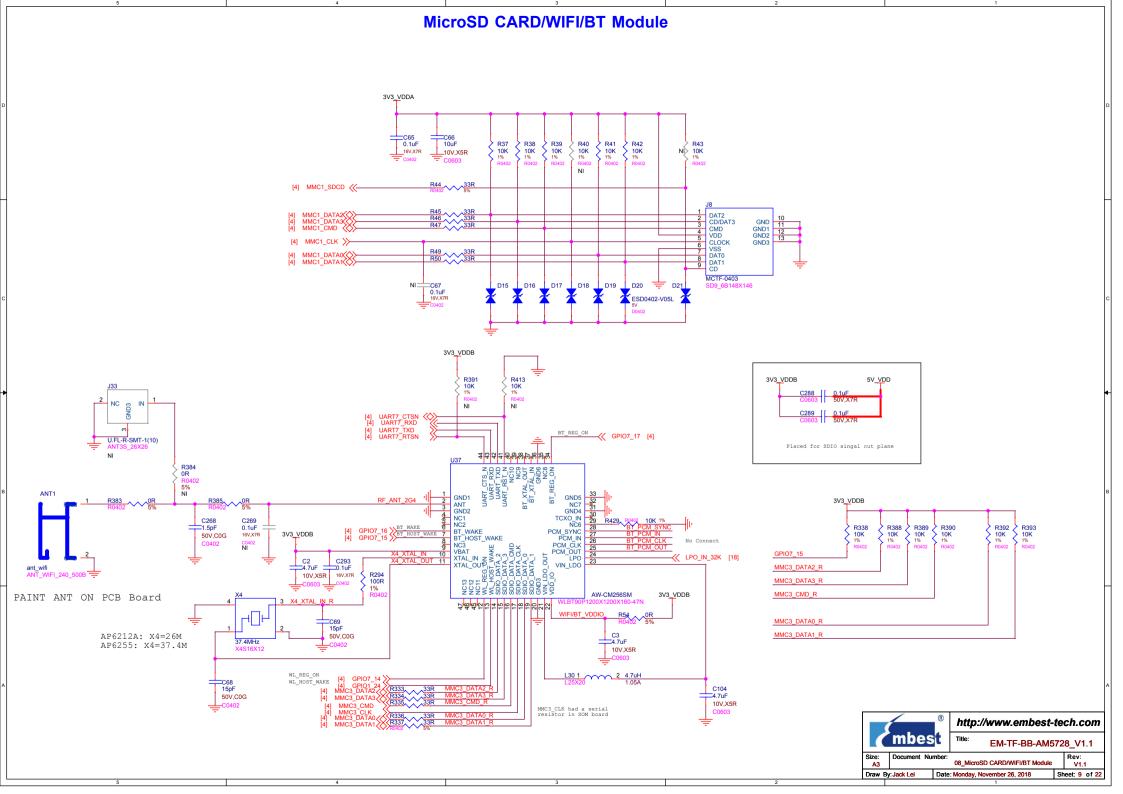
For TF card/mSATA/miniPCIE/LAN

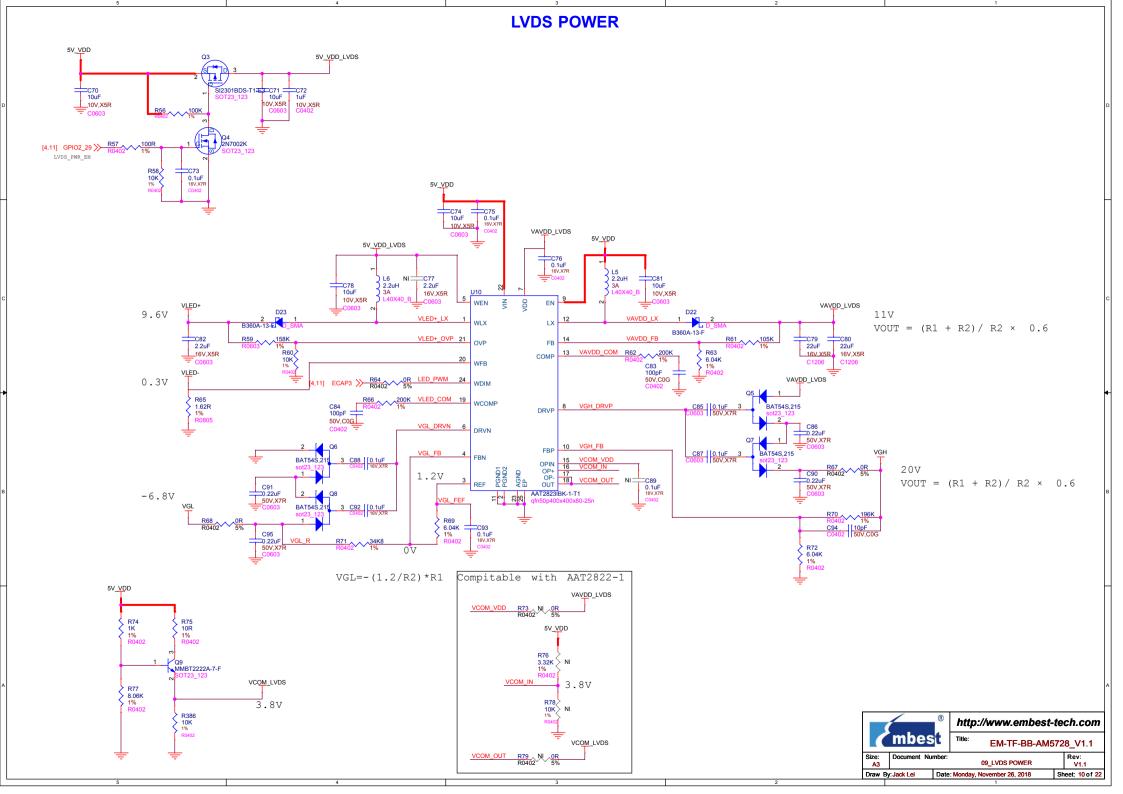


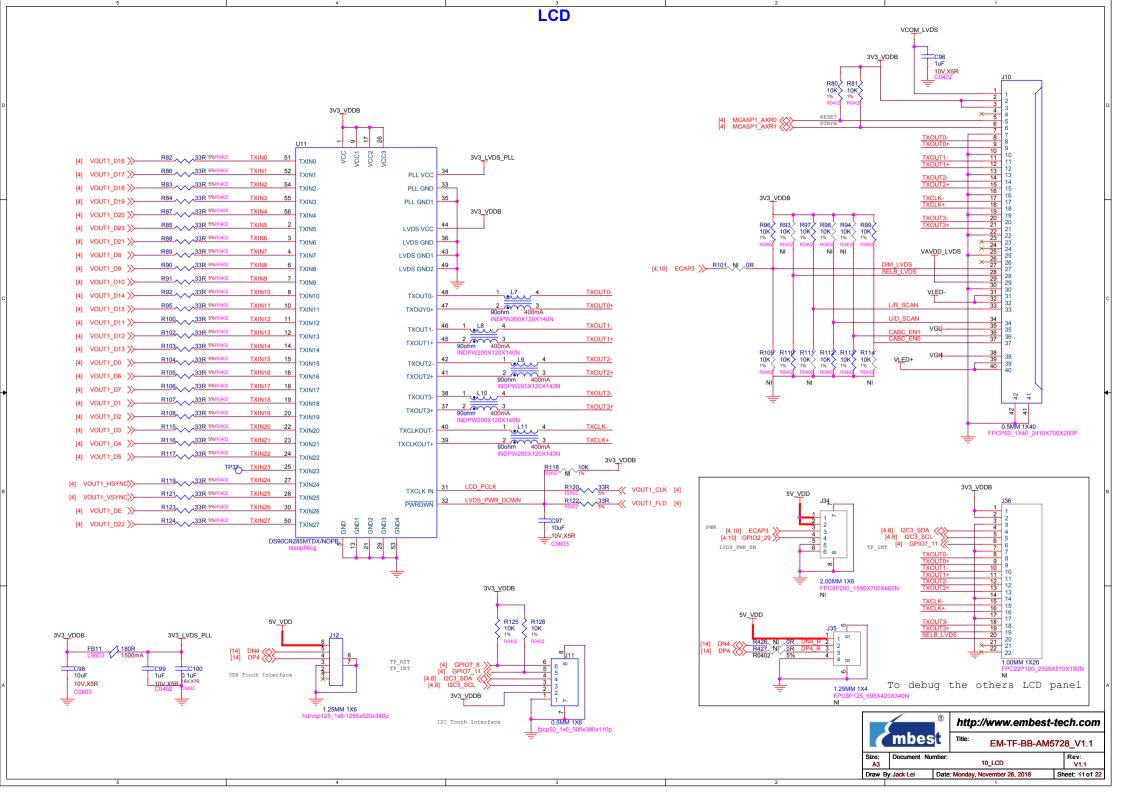


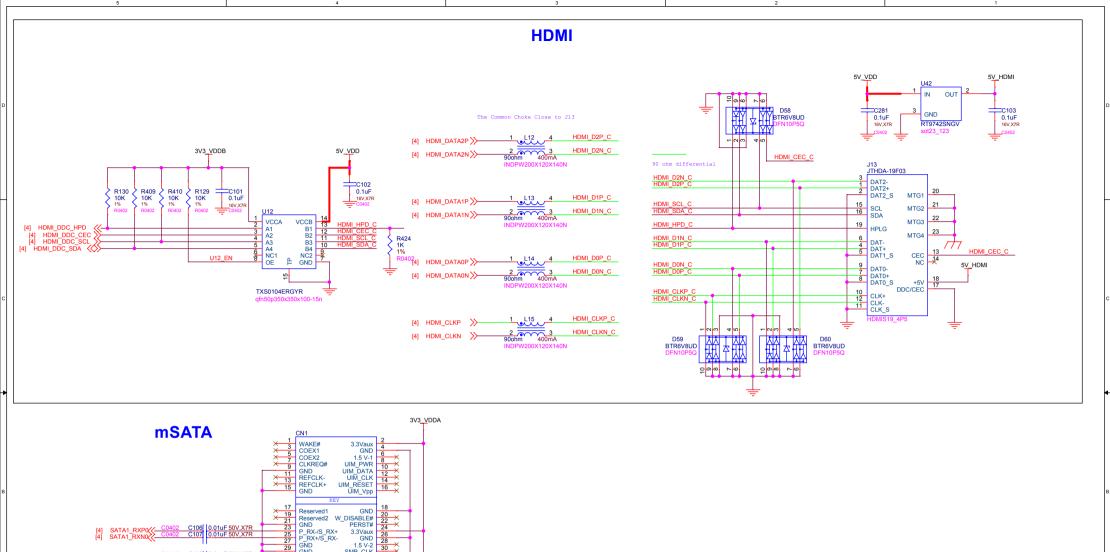


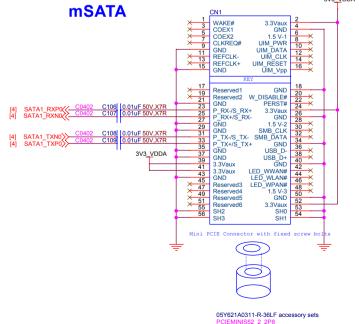




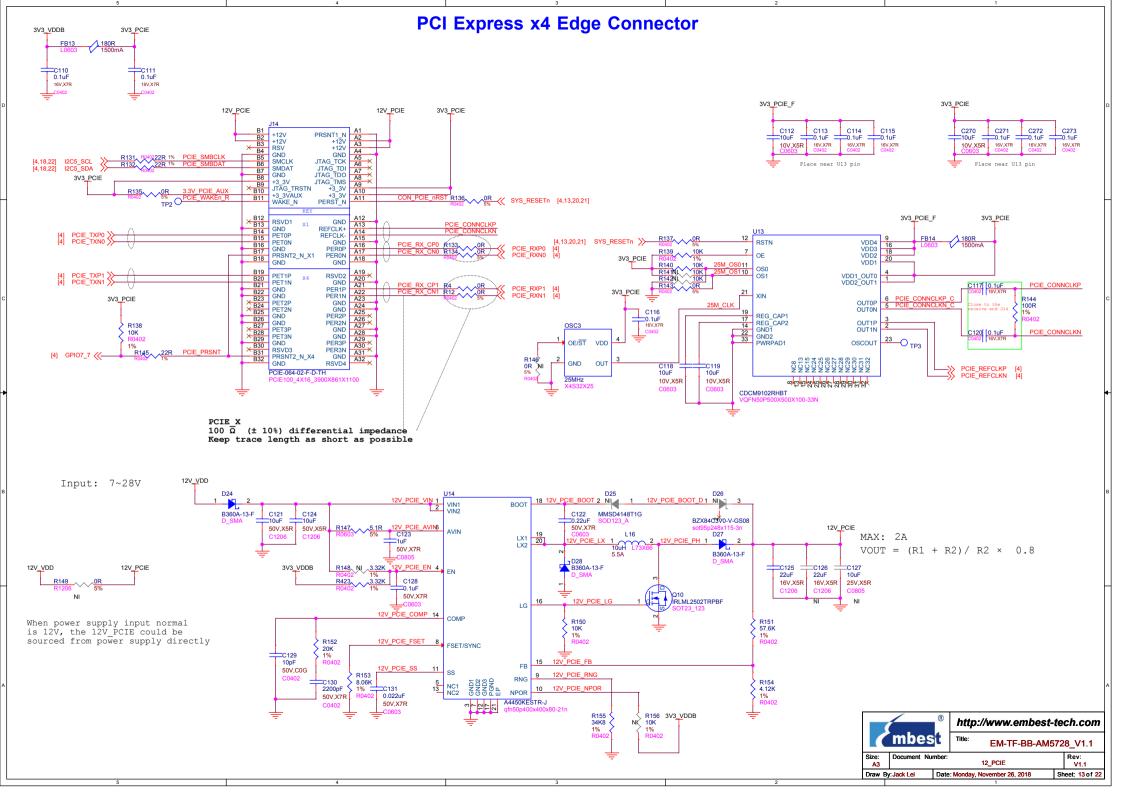


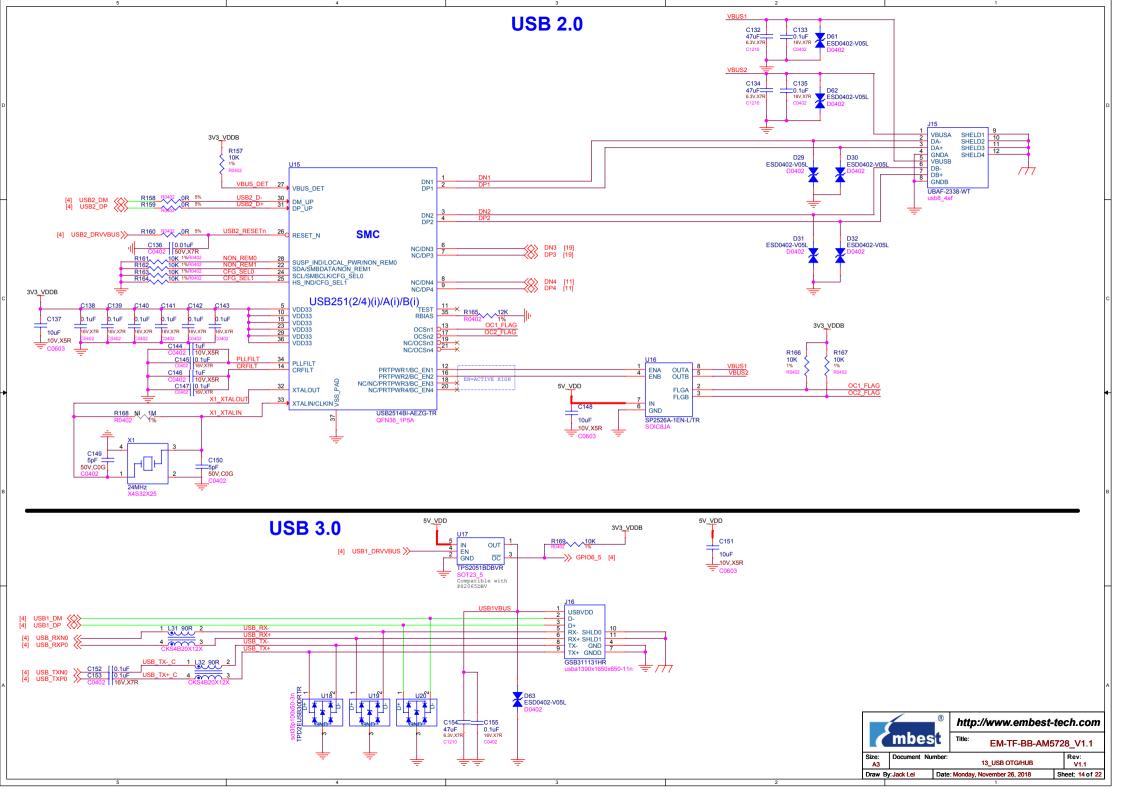




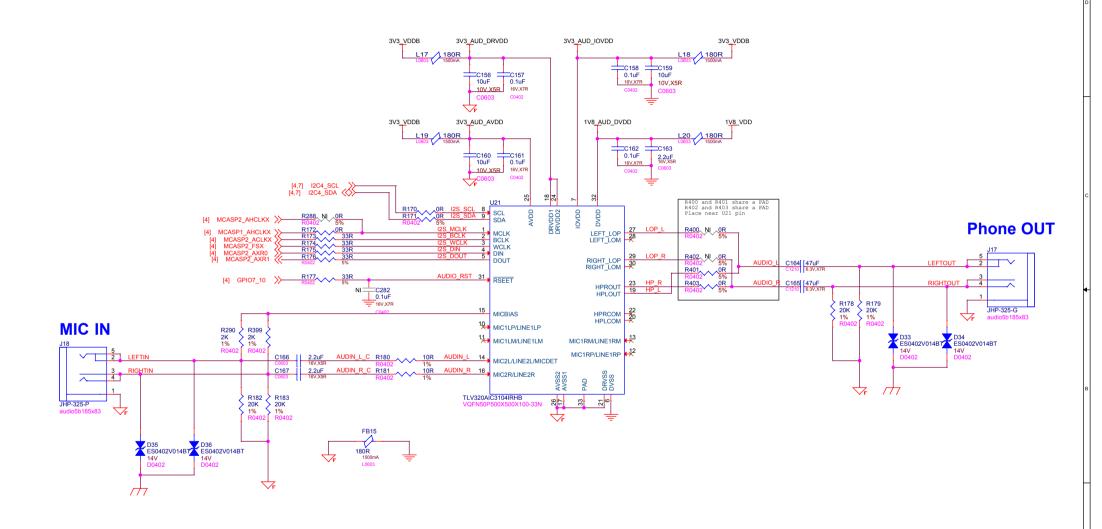




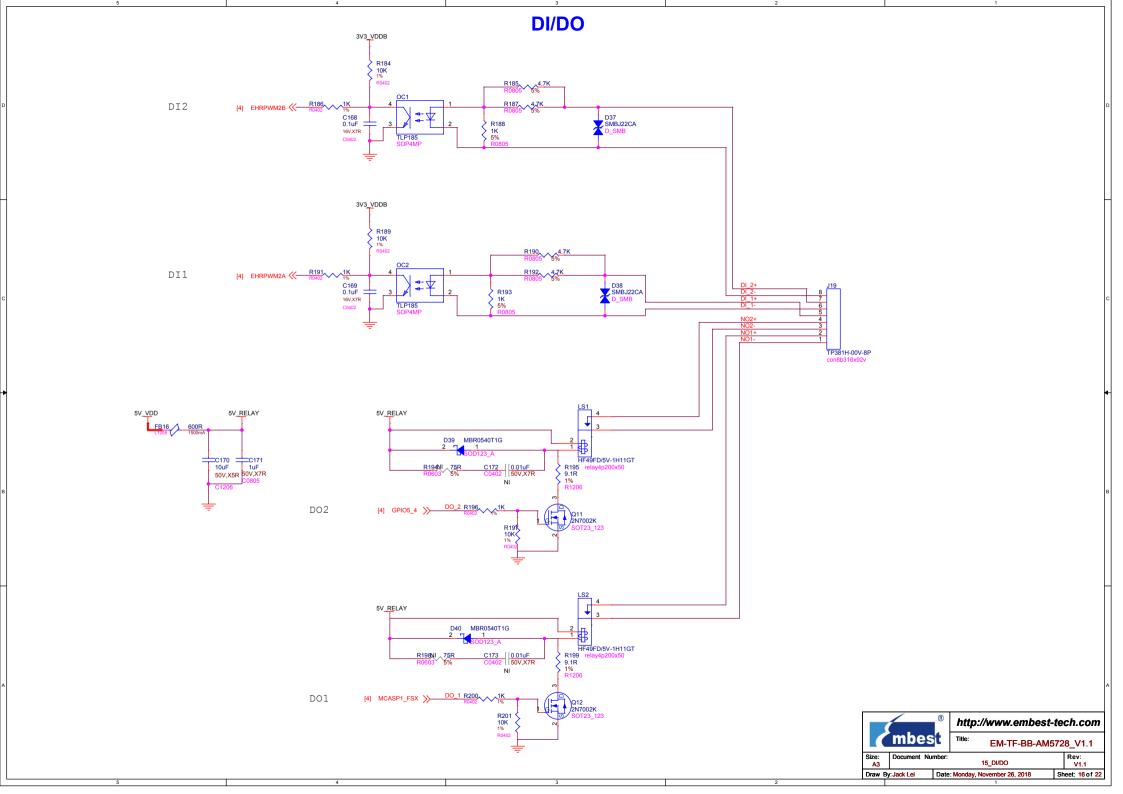


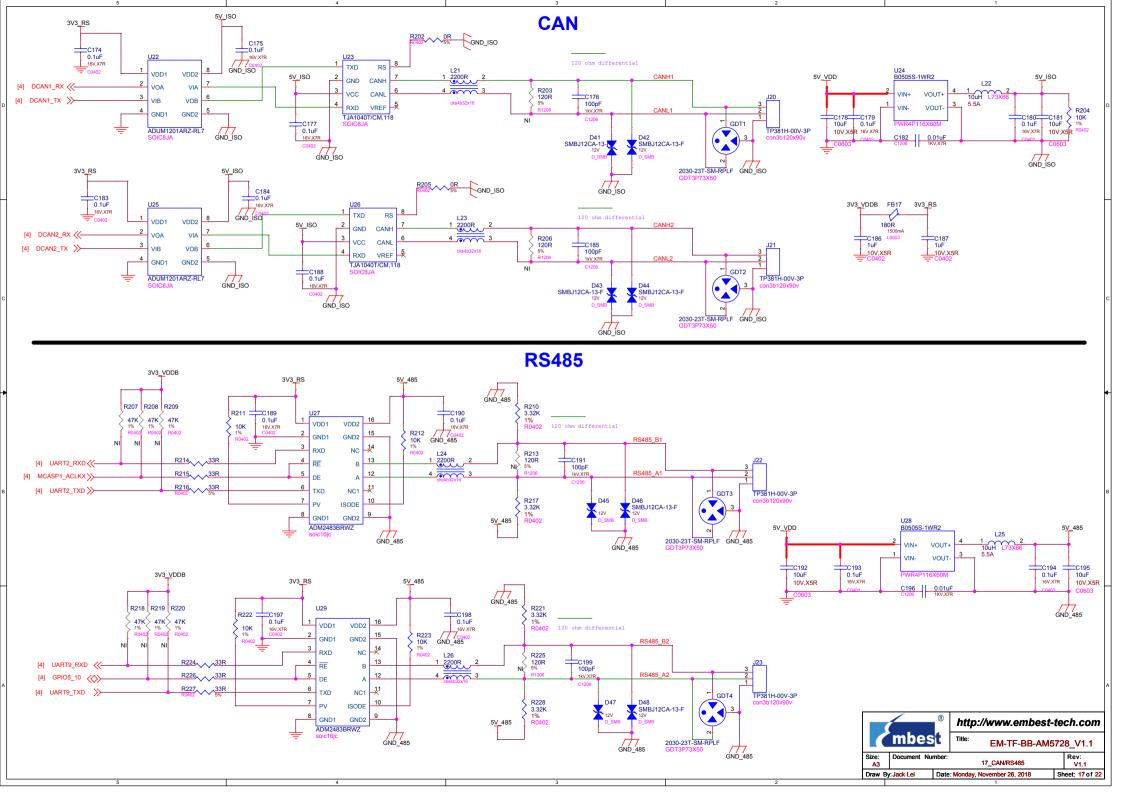


AUDIO

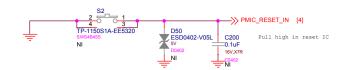




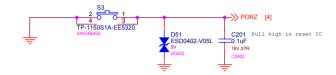




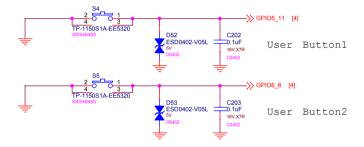
BUTTON/RTC/BEEP/LEDs/BOOT SEL



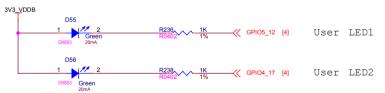
Power on Reset



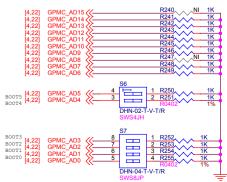
User Button



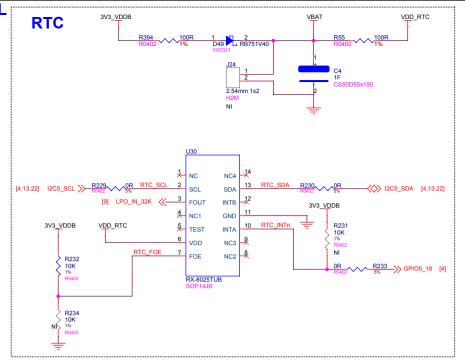
User LEDs

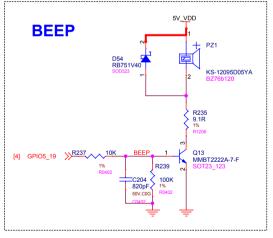


Boot Sel

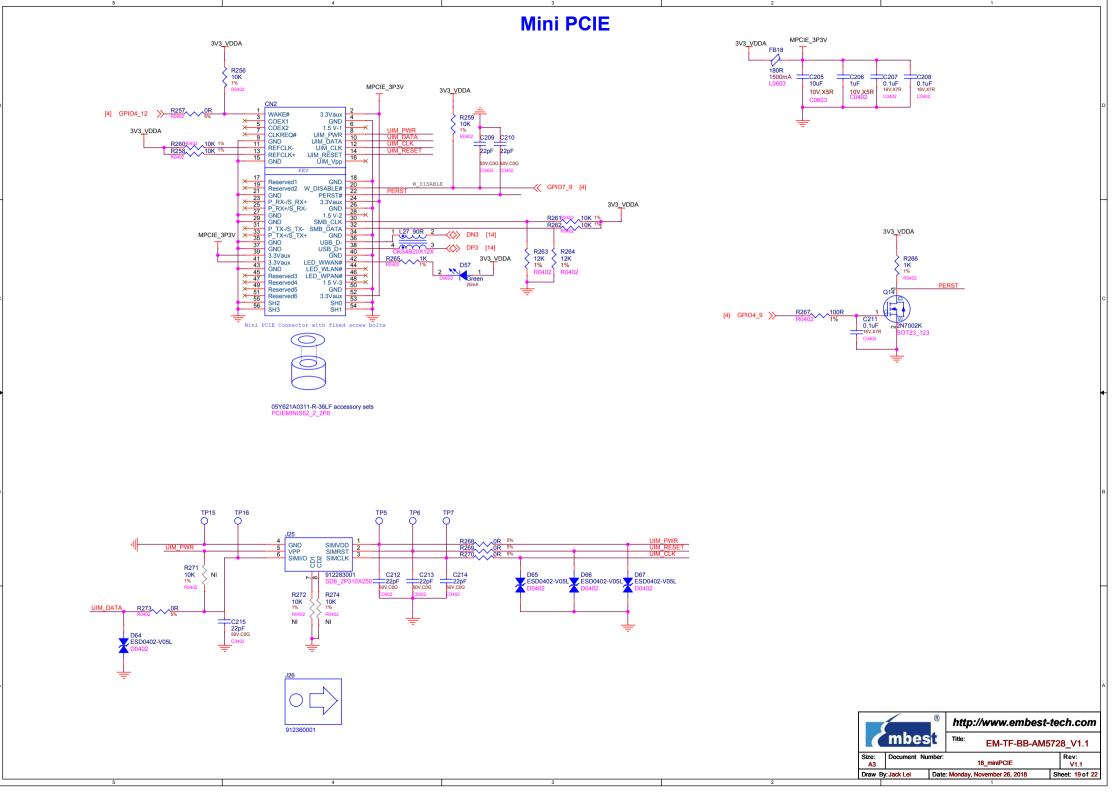


| BOOT[5:0] | воот | Device |
|-----------|---------|--------|
| 10,0000 | eMMC | |
| 10,0010 | SD-CARD | |
| 10,0011 | SAT | ГА |
| 10,0100 | USB, | /UART |
| 10,0110 | QSI | PI |

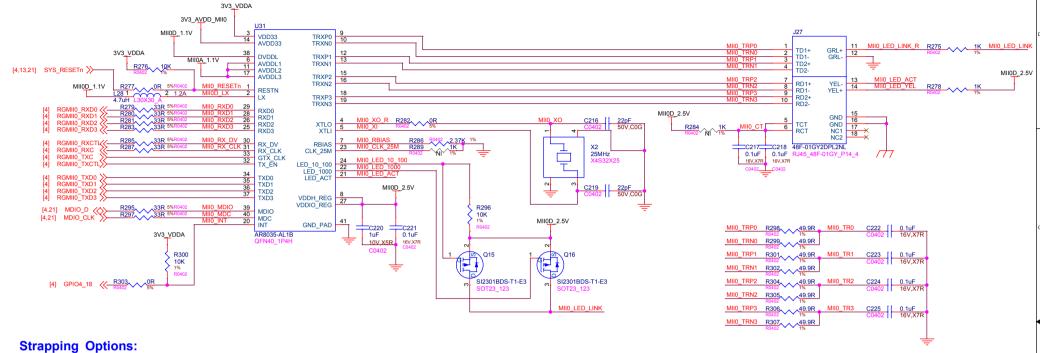


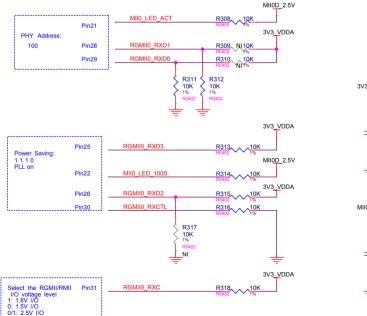


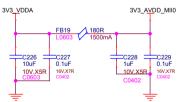


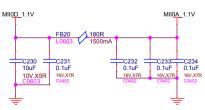


ETHERNET0



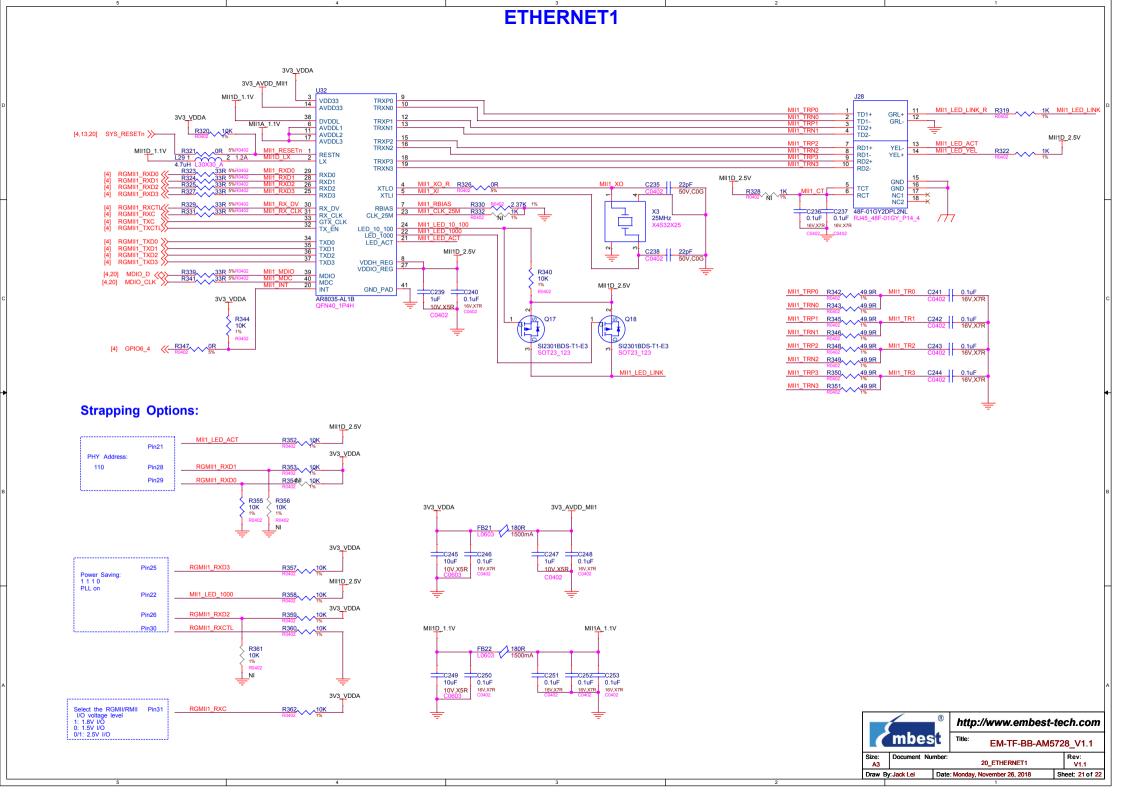






| ® | http://www.embest-tech.com | |
|------|-----------------------------|--|
| mbes | Title: EM-TF-BB-AM5728_V1.1 | |

Size: 19_ETHERNET0 А3 V1.1 Sheet: 20 of 22 Draw By: Jack Lei Date: Monday, November 26, 2018



GPMC/UART to USB/EXP CONN

