

Prestigio

Product Specification

Model: PMP3270B



Features:

1. CPU: All Winner A13, Cortex-A8 1GHz
2. Screen: 7" TFT, 800×480 pixels
3. CTP: G
4. 512MB DDR3;4GB FLASH,Optional 8 GB FLASH
5. WIFI: IEEE 802.11b/g/n
6. GPS: Optional
7. 0.3M front camera; optional: 2M front camera,need to more money
8. 3D G-Sensor
9. USB OTG: Optional,need to more money
10. Battery: 2500mAh

Specification:

Hardware		
CPU		AW: ARM Cortex-A8 1GHz + HD video codec + 3D graphic accelerator
Memory	Flash	4GB MLC; Optional 8 GB MLC
	RAM	512MB DDR3
	TF CARD	support 2~32GB TF Card
LCD	Size (Diagonal)	7" TFT
	Aspect Ratio	16:9
	Resolution	800×480 pixels
Touch Panel		Capacitive touch panel
Key		Power, Reset, Volume+/-
Connector		TF card slot, 3.5 earphone jack, Micro USB port

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Camera		Support front camera: 0.3 million pixels; Optional: 200 million pixels	
Audio	Recording	Via microphone	
	Earphone	3.5mm stereo earphone	
	Speaker	8 Ω 1W	
USB		Support charging and communication with PC Optional: OTG function, support 3G dongle	
WIFI		Support IEEE 802.11b/g/n transport protocol	
GPS		Optional, Support BCM4751 high sensitivity navigation	
G-Sensor		Support 3D accelerometer game	
Video Decoding		2160P(3840*2160); 1080P: H.264, MPEG4/XVID, WMV/VC-1,MPEG2 MP, AVS, H.263 up to 50Mbps; VP8 up to30Mbps	
Audio Decoding		MP3, WMA, RA, OGG, WAV, APE, FLAC, AC3, DTS etc	
Video Container		MKV, MP4, AVI, RV/RMVB, VOB, WMV, MPG, TS etc	
Picture Format		jpg/bmp/png/tiff/jif	
Battery		2500mAh	
System Update		Via TF card	
Logo Update		Via TF card	
Certification & Regulation		CE, FCC, and RoHS compliant	
Physical Characteristics	Dimension	197*113*10.5mm	
Environment Conditions	Temperature	Operation	0~50°C
		Storage	-10~60°C
	Humidity	Operation	0~90%, Non-Condensed
		Storage	0~90%, Non-Condensed
Software			
Operating System		Android 4.0	
Package Contents			
7" Unit * 1pcs			
Micro USB cable * 1pcs; OTG cable *1pcs			
AC/DC adapter * 1pcs			
User's manual * 1pcs			
Gift box * 1pc (Size: 240*160*76mm)			

PTME12002002

5-29-2012

ME12_V2_01_512M_4GB_WIFI_(7)

Material No#	Description	Qty	Site	Priority	Using probabilit
ME12V2-YUSBOTG	ME12V2带USBOTG部分	1			0
10000039	CAP_CER_22uF_6.3V_0805	2	U_C1 U_C2	1	100
10009107	CAP_CER_22uF_6.3V_0805 高1.25mm	2	U_C1 U_C2	2	0
10000028	CAP_CER_1uF_6.3V_0402	1	U_C4	1	100
10009102	CAP_CER_1uF_6.3V_0402	1	U_C4	2	0
10000037	CAP_CER_4.7uF_6.3V_0603	1	U_C5	1	100
10009109	CAP_CER_4.7uF_6.3V_0603	1	U_C5	2	0
10000006	CAP_CER_10nF_50V_0402	1	U_C6	2	0
10000045	CAP_CER_10nF_25V_0402	1	U_C6	1	100
10000014	CAP_CER_330pF_50V_0402	1	U_C8		0
11110007	DIO_SB_40V_1A_SOD-123	2	U_D1 U_D2	1	100
11110014	DIO_SB0014_SS1040	2	U_D1 U_D2	2	0
10220059	IND_PWR_4.7uH_2A_5.0*4.8*1.9mm	1	U_PL1	2	0
10220068	IND_PWR_4.7uH_2.5A_5.0*5.0*2.0mm	1	U_PL1	1	100
10100155	RES_NORM_68K_±1%_0402	1	U_R2		0
10000028	CAP_CER_1uF_6.3V_0402	1	U_R4	1	100
10009102	CAP_CER_1uF_6.3V_0402	1	U_R4	2	0
10100131	RES_NORM_4.7K_±5%_0402	2	U_R6 U_R14		0
10100106	RES_NORM_33K_±5%_0402	2	U_R7 U_R11		0
10100077	RES_NORM_22K_±1%_0402	1	U_R8		0
12430044	IC_DC-DC_EUP2624AMIR1_MSOP-8	1	U_U1		0
12490013	IC_OTH_MC2113HGNTSOT-23-5	1	U_U2		0
10100123	RES_NORM_47K_±5%_0402	1	U_R15		0
11000003	TRI_NPN0003_MMBT3904	1	U_Q1	1	100
11000007	TRI_NPN0007_S9014	1	U_Q1	2	0
ME12V2-CTP	ME12V2支持电容屏	1			0
10110008	RES_ARR_22R_±5%_8P4R-0402	1	L_RA8		0

10230015	IND_BEAD_600Ω_300mA_0.7Ω	1	T_FB2		0
10000028	CAP_CER_1uF_6.3V_0402	1	T_C11	1	100
10009102	CAP_CER_1uF_6.3V_0402	1	T_C11	2	0
ME12V2-YGSENSOR	ME12V2带Gsensor功能部分	1			0
ME12V2-BMA222	ME12V2GSENSOR使用BMA222	1		1	100
12580050	IC_OTH_三轴加速度传感_BMA222_LGA-12	1	E_U1		0
10000008	CAP_CER_100nF_16V_0402	1	E_C1		0
10000028	CAP_CER_1uF_6.3V_0402	1	E_C2	1	100
10009102	CAP_CER_1uF_6.3V_0402	1	E_C2	2	0
ME12V2-DMARD06	ME12V2GSENSOR使用DMARD06	1		2	0
12580055	IC_OTH_三轴加速度传感_DMARD06_LGA-16	1	E_U2		0
10000028	CAP_CER_1uF_6.3V_0402	2	E_C3 E_C4	1	100
10009102	CAP_CER_1uF_6.3V_0402	2	E_C3 E_C4	2	0
ME12V2-FLASH-4G	ME12V2FLASH配置部分-4G	1			0
ME12V2-FLASH-4GL	ME12V2FLASH配置部分-4G-LGA封装	1		2	0
ME12V2-FLASH-4GTS	ME12V2FLASH配置部分-4G-TSOP封装	1		1	100
ME12V2-FLASH-4GTS	ME12V2FLASH配置部分-4G-TSOP1	1			0
12040006	MLC0006_4GB_TSOP_8KB_24bit_32nm_HYNIX	1	U7	2	0
12040047	MLC_4GB_MT29F32G08CBACAWP:C_TSOP-48	1	U7	1	100
10000008	CAP_CER_100nF_16V_0402	3	C92 C89 C101		0
10000028	CAP_CER_1uF_6.3V_0402	1	C95	1	100
10009102	CAP_CER_1uF_6.3V_0402	1	C95	2	0
ME12V2-DDR-512M	ME12V2DDR配置部分-512M	1			0
12080005	DDR3_256MB_H5TQ2G83CFR-H9C_FBGA-78	2	U6 U8		0
ME12V2-YCAMERA	ME12V2带CAMERA模块功能部分	1			0
10000028	CAP_CER_1uF_6.3V_0402	5	C_C3 C_C4 C_C6 C_C8 C_C10	1	100
10009102	CAP_CER_1uF_6.3V_0402	5	C_C3 C_C4 C_C6 C_C8 C_C10	2	0
10000006	CAP_CER_10nF_50V_0402	2	C_C5 C_C9	2	0
10000045	CAP_CER_10nF_25V_0402	2	C_C5 C_C9	1	100
10000008	CAP_CER_100nF_16V_0402	4	C_C7 C_C11 C_C12 C_C14		0
13200067	CON_FPC_24P_间距0.5mm_翻盖下接触_卧式_高1.0mm	1	C_CON1		0
10230015	IND_BEAD_600Ω_300mA_0.7Ω	2	C_FB1 C_FB2		0

10100131	RES_NORM_4.7K_±5%_0402	1	C_R1		0
10100035	RES_NORM_10K_±5%_0402	2	C_R4 C_R5		0
10110008	RES_ARR_22R_±5%_8P4R-0402	3	C_RA1 C_RA2 C_RA3		0
12420052	IC_LDO_1.5V_300mA_SOT-23-5	1	C_U2		0
ME12V2-BASIC	ME12V2基本部分	1			0
10100004	RES_NORM_0R_±5%_0402	1	R2		0
10100083	RES_NORM_22R_±5%_0402	15	L_R2 A_R6 S_R7 A_R7 S_R9 R9 R14 P_R16 A_		0
10100187	RES_NORM_100R_±5%_0402	3	L_R5 P_R15 L_R28		0
10100297	RES_NORM_240R_±1%_0402	6	R3 R16 R20 S_R10 P_R18 L_R31		0
10100006	RES_NORM_1K_±1%_0402	2	R18 R19		0
10100010	RES_NORM_1K_±5%_0402	8	A_R1 S_R2 U_R12 P_R17 L_R17 L_R19 L_R12		0
10100021	RES_NORM_2K_±5%_0402	4	R10 R11 R12 R13		0
10100131	RES_NORM_4.7K_±5%_0402	15	S_R3 A_R4 L_R10 L_R16 P_R20 L_R23 L_R25		0
10100158	RES_NORM_6.8K_±1%_0402	2	L_R8 A_R3		0
10100035	RES_NORM_10K_±5%_0402	13	L_R3 S_R4 L_R4 L_R6 L_R7 L_R11 U_R13 L_R		0
10100317	RES_NORM_13K_±1%_0402	1	E_R3		0
10100214	RES_NORM0214_22.1K_±1%_0402	2	L_R13 L_R26		0
10100085	RES_NORM_24K_±1%_0402	1	E_R2		0
10100316	RES_NORM_60.4K_±1%_0402	1	U_R10		0
10100123	RES_NORM_47K_±5%_0402	7	S_R1 P_R19 P_R21 L_R21 P_R23 A_R2 A_R19		0
10100179	RES_NORM_100K_±1%_0402	3	E_R1 U_R9 A_R11		0
10100201	RES_NORM0201_150K_±1%_0402	1	P_R27		0
10100307	RES_NORM_160K_±1%_0402	1	L_R22		0
10100208	RES_NORM0208_200K_±1%_0402	3	R1 P_R14 L_R29		0
10100276	RES_NORM0276_240K_±1%_0402	1	P_R26		0
10100018	RES_NORM_1R_±5%_0603	1	L_R15		0
10100071	RES_NORM_1.5R_±5%_0603	1	L_R14		0
10100309	RES_NORM_0.03R_±1%_0805	1	P_R9		0
10110008	RES_ARR_22R_±5%_8P4R-0402	12	RA1 S_RA2 RA2 RA3 RA4 RA5 L_RA5 RA6 RA7		0
10110016	RES_ARR_100R_±5%_8P4R-0402	4	L_RA1 L_RA2 L_RA3 L_RA4		0
10110002	RES_ARR_10K_±5%_8P4R-0402	1	S_RA1		0
10130001	RES_VAR0001_12V_3.5PF_0402	9	E_D1 A_D1 A_D2 A_D3 U_D6 A_R5 S_R8 S_R11		0

10000059	CAP_CER_15pF_50V_0402	3	C43 C47 W_C1		0
10000060	CAP_CER_22pF_50V_0402	1	C44		0
10000005	CAP_CER_1nF_50V_0402	13	A_C5 A_C10 A_C11 A_C20 A_C21 P_C28 C40 C		0
10000006	CAP_CER_10nF_50V_0402	21	L_C1 L_C26 C1 W_C4 C24 P_C25 C25 C33 P	2	0
10000045	CAP_CER_10nF_25V_0402	21	L_C1 L_C26 C1 W_C4 C24 P_C25 C25 C33 P	1	100
10000008	CAP_CER_100nF_16V_0402	42	A_C2 L_C3 L_C4 A_C4 L_C5 S_C6 P_C10 L_C1		0
10000028	CAP_CER_1uF_6.3V_0402	49	S_C1 S_C2 L_C2 S_C3 A_C6 L_C7 L_C8 A_C	1	100
10009102	CAP_CER_1uF_6.3V_0402	49	S_C1 S_C2 L_C2 S_C3 A_C6 L_C7 L_C8 A_C	2	0
10000043	CAP_CER_1uF_16V_0603	6	L_C15 L_C16 L_C17 L_C18 L_C19 L_C20		0
10000037	CAP_CER_4.7uF_6.3V_0603	15	A_C1 P_C5 P_C6 P_C8 P_C11 C12 C14 C17 P	1	100
10009109	CAP_CER_4.7uF_6.3V_0603	15	A_C1 P_C5 P_C6 P_C8 P_C11 C12 C14 C17 P	2	0
10000020	CAP_CER_470nF_50V_0805	2	L_C11 L_C12		0
10000029	CAP_CER_10uF_6.3V_0805 1.25mm	8	W_C5 P_C9 P_C15 P_C17 P_C19 P_C23 P_C37		0
10000039	CAP_CER_22uF_6.3V_0805	1	A_C26	1	100
10009107	CAP_CER_22uF_6.3V_0805 高1.25mm	1	A_C26	1	0
10009086	CAP_CER_10uF_16V_1206	1	L_C23		0
10000029	CAP_CER_10uF_6.3V_0805 1.25mm	1	U_C11		0
10020014	CAP_TAN_22uF_6.3V_A型	2	P_C16 L_C22	2	0
10020015	CAP_TAN_22uF_6.3V_A型	2	P_C16 L_C22	1	100
11300001	CRYS0001_32.768KHZ_20PPM_12.5pF	1	Y2		0
13130022	JAC_CAD_TF_TF-0011-015	1	S_CON1		0
11300019	CRYS_24MHZ_10PPM_10pF	1	Y1	1	100
11300040	CRYS_24MHZ_10PPM_9.5pF	1	Y1	2	0
11110002	DIO_SB0002_BAT54C	3	P_D2 L_D6 L_D7		0
11110007	DIO_SB_40V_1A_SOD-123	1	L_D1	1	100
11110014	DIO_SB0014_SS1040	1	L_D1	2	0
11110008	DIO_SB0008_BAT54S	2	L_D2 L_D4	2	0
11110013	DIO_SB0013_BAV99	2	L_D2 L_D4	1	100
11140002	DIO_ZEN0002_6.8V_500mW	1	L_D3		0
11140004	DIO_ZEN0004_15V_500mW	1	L_D5		0
11150009	DIO_TV_S_6.2V_±15KV/10KV_1.2pF	2	U_D4 U_D5		0
11030008	TRI_PMOS_MI2305_SOT-23	2	S_Q1 L_Q2	2	0

11030015	TRI_PMOS_±12V_-4.2A_SOT-23-3	2	S_Q1 L_Q2	1	100
11000003	TRI_NPN0003_MMBT3904	3	L_Q1 A_Q1 L_Q3	1	100
11000007	TRI_NPN0007_S9014	3	L_Q1 A_Q1 L_Q3	2	0
10230008	IND_BEAD_120Ω_1A_0.1Ω	3	A_FB3 A_FB4 A_FB6		0
10220007	IND_PWR_22uH_1.1A_268mΩ	1	L_PL1	2	0
10220041	IND_PWR_22uH_1.18A_5020	1	L_PL1	1	100
10220059	IND_PWR_4.7uH_2A_5.0*4.8*1.9mm	1	P_PL1	2	0
10220068	IND_PWR_4.7uH_2.5A_5.0*5.0*2.0mm	1	P_PL1	1	100
10220008	IND_PWR_22uH_620mA_486mΩ	1	L_PL2	2	0
10220048	IND_PWR_22uH_620mA_3015	1	L_PL2	1	100
10220012	IND_PWR_2.2uH_2.1A_59mΩ	2	P_PL4 P_PL5	1	100
10220028	IND_PWR_2.2uH_1.1A_110mΩ	2	P_PL4 P_PL5	3	0
10220047	IND_PWR_4.7uH_1.1A_3815	1	P_PL2	1	100
10220066	IND_PWR_4.7uH_1.8A_4.0*4.0*1.8mm	1	P_PL2	2	0
11200015	LED0015_黄绿色_0603	1	P_LED2		0
11200016	LED0016_红色_0603	1	P_LED1		0
12300021	CPU_1GHZ_A13_LQFP-176P	1	U1		0
12400012	IC_PMU_AXP209_QFN-48	1	P_U2		0
12580016	IC_OTH0016_PCF8563TS	1	U2	2	0
12580056	IC_OTH_时钟IC_AT8563S_MOP8	1	U2	1	100
196M0012	通讯模块_WIFI模块_RL-UM02BS	1	W_U1		0
12430040	IC_DC/DC_MT7004B	1	L_U1		0
12430001	IC_DC/DC_AP3012	1	L_U2		0
12430010	IC_DC/DC_ACT6907UCADJ-T	1	P_U4	2	0
12430032	IC_DC/DC_XM5081-ADJ	1	P_U4	1	100
12420003	IC_LDO_VA7318XFR-A	2	L_U3 P_U5	2	0
12420026	IC_LDO_BL9193-33BAPRN	2	L_U3 P_U5	1	100
12420035	IC_LDO0035_RT9193-33GB	2	L_U3 P_U5	3	0
12520019	IC_AMP0019_音频功放_FT2010M	1	A_U2	2	0
12520021	IC_AMP0021_音频功放_FT2010V	1	A_U2	1	100
13110025	JAC_EAR_3.5mm_表贴_PJ-381-5P 无头	1	A_CON1		0
13200064	CON_FPC_6P_间距0.5mm_翻盖下接触_卧式_高1.5mm	1	T_CON2		0

13200063	CON_FPC_50P_间距0.5mm_翻盖下接触_卧式_高1.5mm	1	L_CON1		0
13300015	SWH_TACT0015_SKRTLAE010	4	P_SW1 E_SW1 E_SW2 P_SW4		0
13120017	JAC_USB_MICRO_5PIN_前插后贴	1	U_CON1		0
13000306	PCB_NORM_ME12_V2_6层_2拼板_OSP	1			0
10000019	CAP_CER_47nF_10V_0402	2	A_C23 A_C24		0
10100189	RES_NORM_110K_±1%_0402	2	A_R17 A_R18		0
10100141	RES_NORM_56K_±5%_0402	1	A_R15		0

Maintenance Manual for ME12_V2

This manual, for your information, describes common failures in circuit theory terms and provide troubleshooting meanwhile. Positions for circuit investigation are introduced generally, for details, please refer to maintenance schematic diagram.

I Booting Failure

The phenomena of booting failure include no display of LCD (and no backlight), no speaker sounds, no response of touch screen by touching, no response of power-on/power-off keystroke and no response of reset. Reasons for these vary. Follow the troubleshooting steps below to make it work right.

1 Abnormal System Power Supply

LED status under normal work state of the whole machine is: green LED indicator (the work instructions LED) in the main board is on and red LED indicator is on when power on. When the battery is welded, both the red and green LED indicators are on when charging, and the red LED indicator is off after the battery fully charged.

Before connecting the board to DC power or battery, please firstly perform tests of short circuit to earth on the power test points on the board to confirm there is no short circuit to earth. Press POWER and investigate the problem as stated in the table below.

Table 1 System Power Supply

Test point	normal voltage limits	Failure causes (Investigation Range)
USB_H5V	5+/-0.5V	Connect to DC power, 5+/-0.5V voltage shall be at this point

VSYS	3.5V-5V	For system main power, check if PMU is well welded or if there is short circuit to earth for abnormality.
P_TP6/ CPUVDD	1.2V+/-0.2V	For CUP core power supply, check if PMU/P_PL2 is well welded or if there is short circuit to earth for abnormality.
P_TP4/ INTVDD	1.2V+/-0.2V	For CUP core power supply, check if PMU/P_PL4 is well welded or if there is short circuit to earth for abnormality.
P_TP7/ DRAM-VCC	1.56V+/-0.1V	For CPU RAM power supply, check circuit of P_U4 for abnormality
P_TP8/ VCC-3V3	3.3V+/-0.1V	For system IO power supply, check circuit of P_U3 for abnormality
AVCC	3.0V+/-0.1V	For system IO power supply, check if relevant PMU is well welded or if there is short circuit to earth for abnormality.

Power supply abnormality is usually caused by poor welding of PMU and peripheral components since PMU is adopted on A13 platform.

2. Poor Welding or Abnormity of CPU, DRAM and Flash

After the above investigation, the system power supply should be normalized. The following circuits need to be checked.

Check if the CPU and peripheral components are well welded.

Check if Y1 crystal oscillates.

Check if DRAM, Flash and peripheral components are well welded, if Flash data is lost, or reprogram Flash

3. No Display of LCD

Confirm the current is normal when the equipment is started. If LCD has no display after connected, do investigation by following the steps below.

Firstly check if the voltage of TP50/ LCD_VDD is normal as $3.3V \pm 0.1V$. If yes, it indicates the system startup is normal and the problem is in the LCD backlight part. If not, check backlight IC and peripheral components and check if there is short circuit to earth.

Connect the LCD, and then check if DC & DC output voltage of backlight drive circuit and AVDD are normal, check if voltage of VGL and VGH is right.

If the system cannot be started after confirming that relevant components of the CPU, DRAM and Flash are well welded, please consider replacing Flash, CPU and DRAM.

II. Functional Fault Checking

1. Failure of Charging and Power Detection

Abnormal charging: For charging failure when DC is applied, check whether the welding of P_PL1 P_R19 and peripheral components of PMU is good, whether the battery is damaged, whether the charging indicator LED is damaged, whether the surrounding circuit is normal.

Abnormal DC insertion check (software shows battery power supply when DC power is inserted): Confirm firstly USB_H5V has a voltage of around 5V, and then check if PMU is

well welded.

The equipment does not work with battery power supply (but work with external power supply): Without external power supply, check if the voltage of VSYS is normal and check if the circuit of PMU is normal.

2. Abnormal Operation of USB and USB Peripheral

Detection failure of USB insertion: While connecting the equipment with PC via USB cable, USB insertion cannot be detected. Check mainly if the circuits of U_R9 U_R10, U_CON1 and TVS are well welded.

Abnormal USB data communication and abnormal USB peripheral communication:
Check if U_CON1 and VDR are well welded.

Abnormal OTG function: after OTG cable is plugged in, please confirm whether the USB_DC5V and USB_H5V have a voltage of 5V around, whether USB0_IDDET voltage is at a low level and the whether the TVS is well welded.

3. Abnormal LCD Operation

Abnormal LCD backlight:

LCD backlight doesn't work: Check if the circuit of Part L_U1 is in normal condition

Nonadjustable LCD backlight brightness: Check if L_R16, L_R13, L_R12, L_R14 and L_R15 are normal

Abnormal LCD color display: Test if the exclusions and the extension cords are well welded.

Touch screen abnormality:

Run touch screen calibration program and then check if it is normalized.

Replace the LCD screen.

Test if the extension cords of LCD are well welded. Test if the connection of LCD extension cords and the CPU is normal. Check if the CPU is welded without tin.

4. Abnormal Operation of TF Card

Card insertion undetected:

Test if the TF card connector is damaged and if it is well welded.

Test if the PIN9 of TF card connector is welded without tin or is welded with the sideward bonding pad in short circuit.

Abnormal TF card reading:

Test if the power supply of TF card (VDD_SD) is normal as 3.3V $\pm$ 0.1V when the card is inserted. If not, test the circuit of Part U8.

Test if the peripheral components of TF card are well welded or damaged.

5. Sounds abnormality

No sounds of earphone and speaker:

Check relevant components

Check if the earphone extension cord is damaged.

Earphone sounds and speaker do not sound

Check relevant components

Abnormal sounds of earphone and speaker

Check relevant components

Sounds cannot be switched when earphone is plugged in

Test to confirm HP_IN is at a voltage of 1.5V around when the earphone is plugged

in. Test if circuit of A_Q1 is well welded.

6. WIFI abnormality

WIFI can not search

Check the welding condition of WIFI module.

Check if the Antenna board and feeders are well welded.

7. Camera abnormality

Test if relevant power supply is normal when camera on. Test if the CAM_DOVDD is of 2.8V around. Test if CAM_DVDD and CAM_AVDD are of 1.5V.

Check if exclusion and camera are well welded.

8. GPS fault

Check if VDD_GPS is as 3.0V and Check if VDD18_GPS is as 1.8V. Check if POWERON signal is at high level of 3V when abnormal.

Check if the crystal oscillates.

Check if GPS_RTCCLK has 32.768K clock.

Check if peripheral and GPS master chip are well welded.

9. G-sensor fault

check if G-sensor well welded.

Dismount G-sensor and test if PIN2 and PIN12 at a high level of 2.8V around

10. Button fault

Test whether circuit of the buttons is normal and whether the relevant voltage value is right when the buttons pressed down.

11. Other faults

Large operating current of the system: Check if the main board has heating components. Test if the power test points of relevant heating components are short circuited to earth or with small resistance to earth. If yes, replace relevant components.

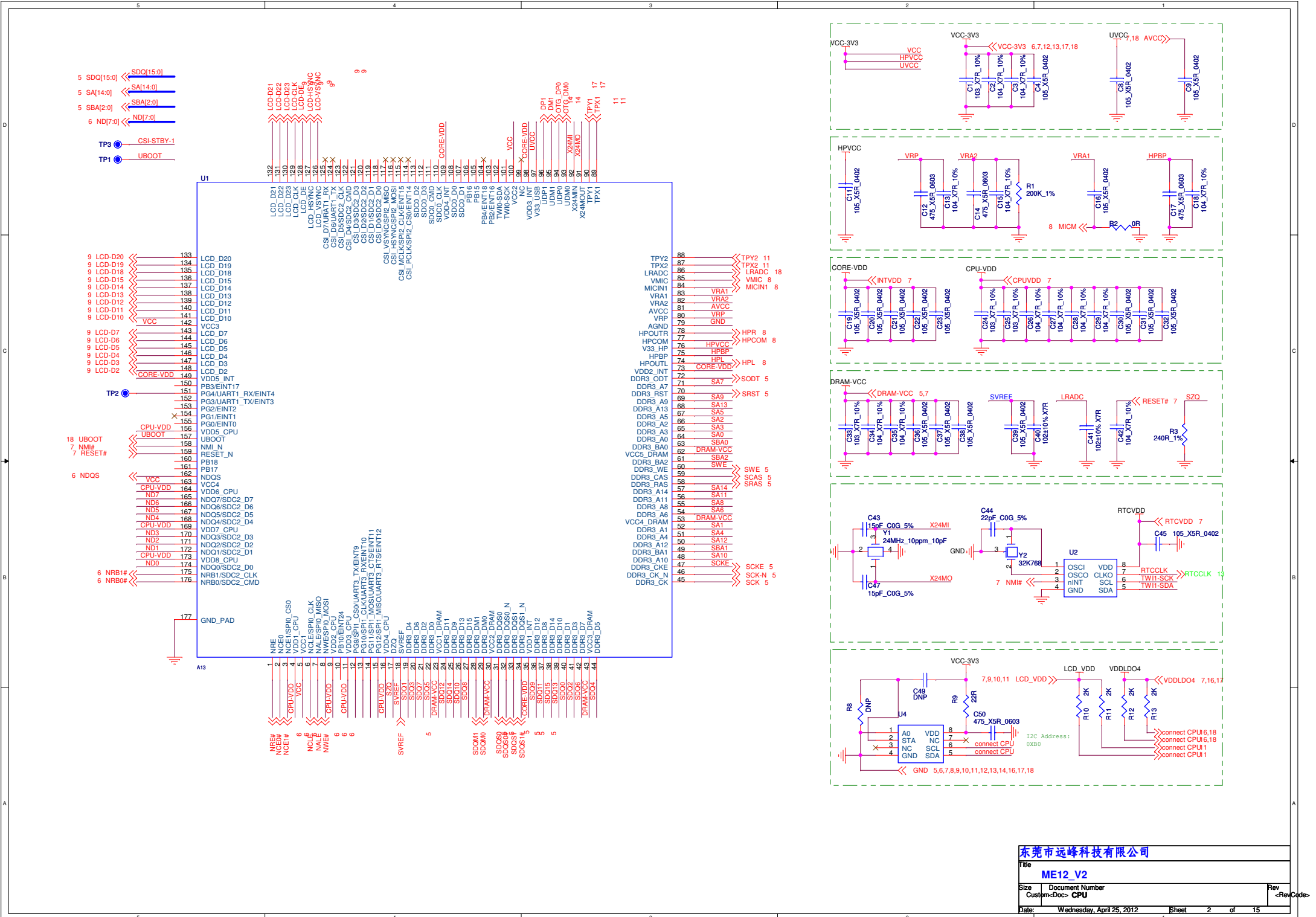
Booting failure

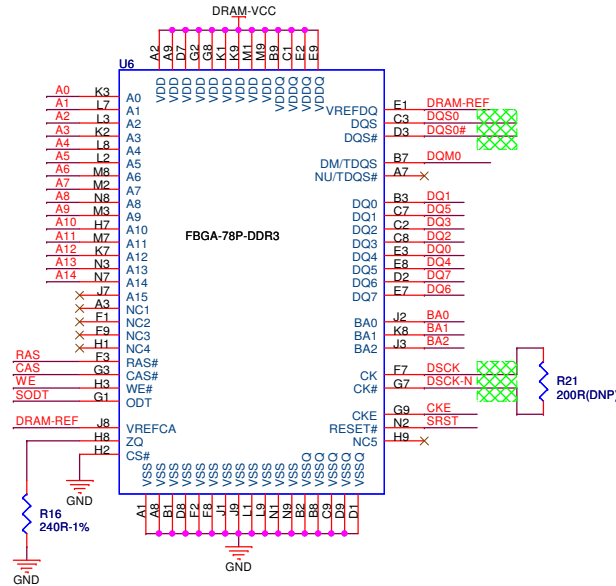
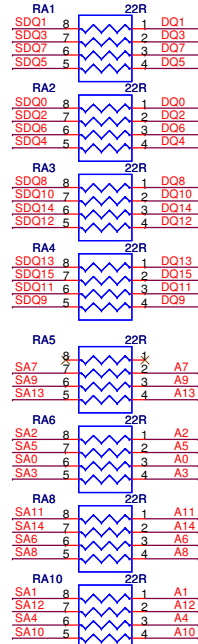
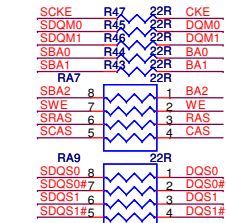
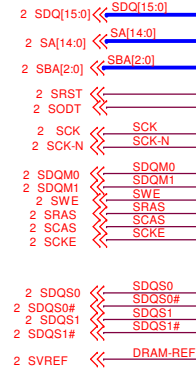
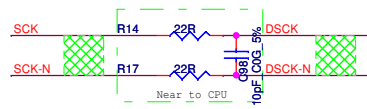
Firstly confirm that relevant power supply of PMU is OK, and then rewrite img file using program bum tool to eliminate failure caused by loss of img file.

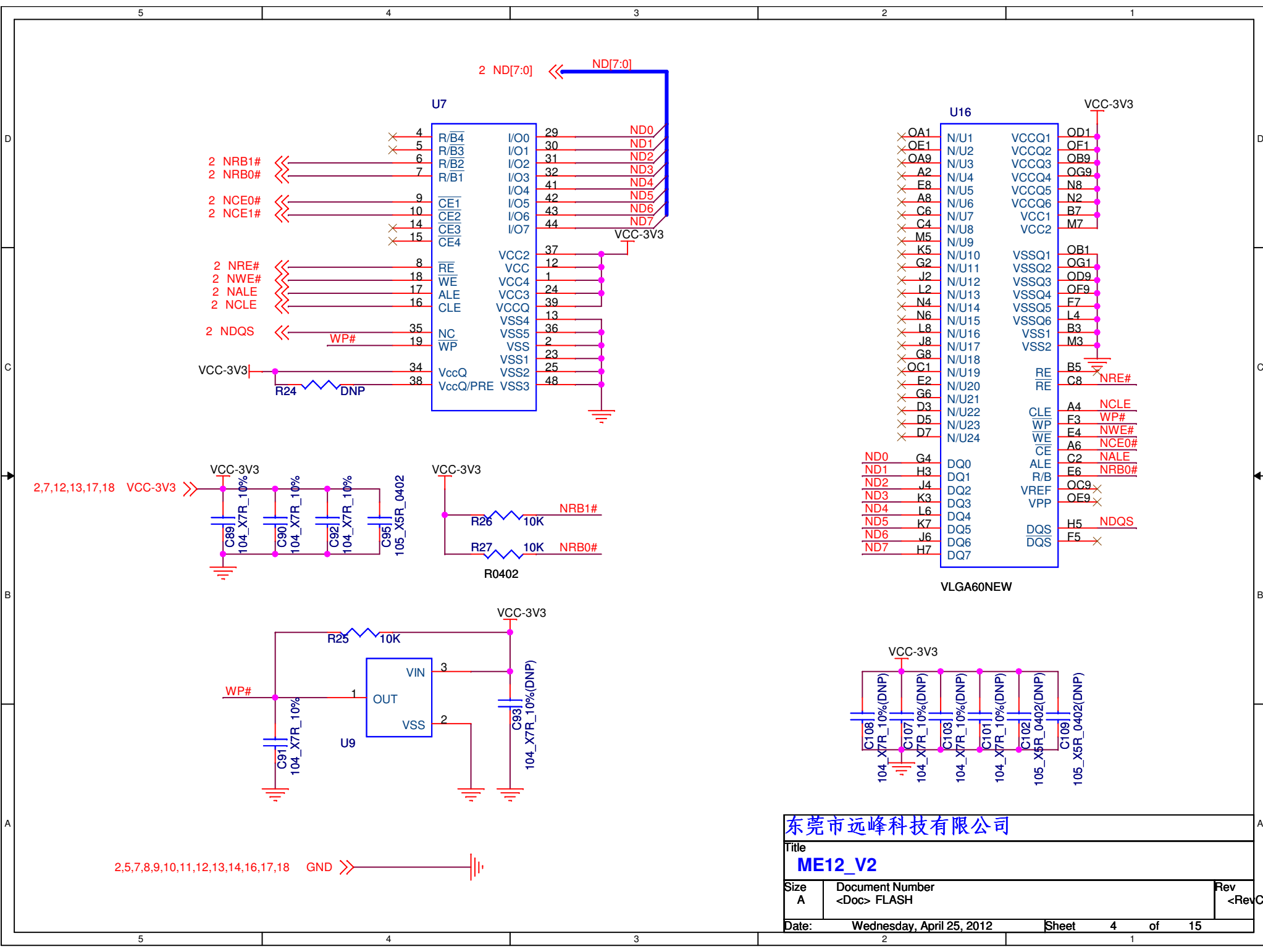
If it can not run after rewriting img file, the failure might be caused by DRAM.

BLOCK

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ME12_V2			
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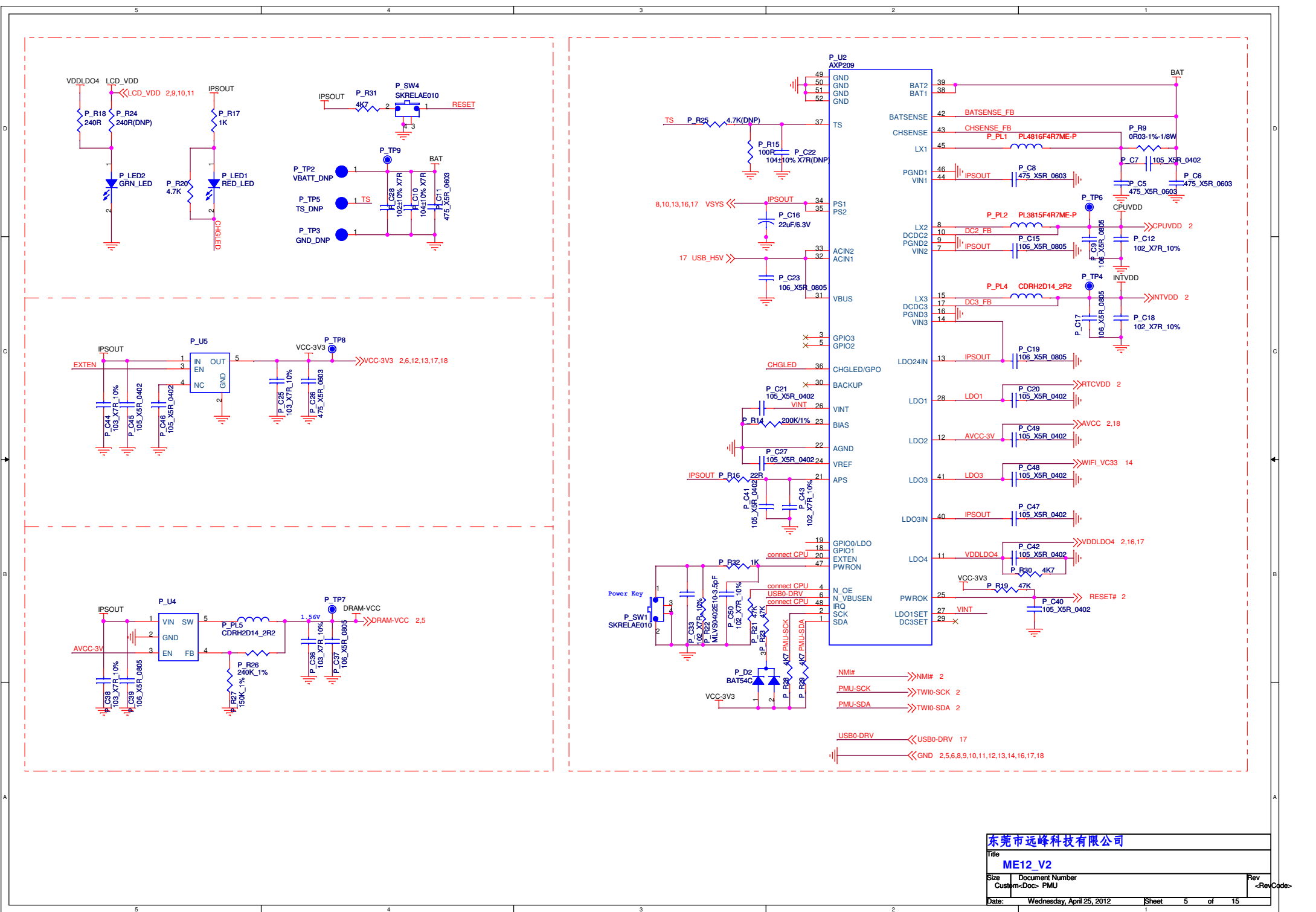
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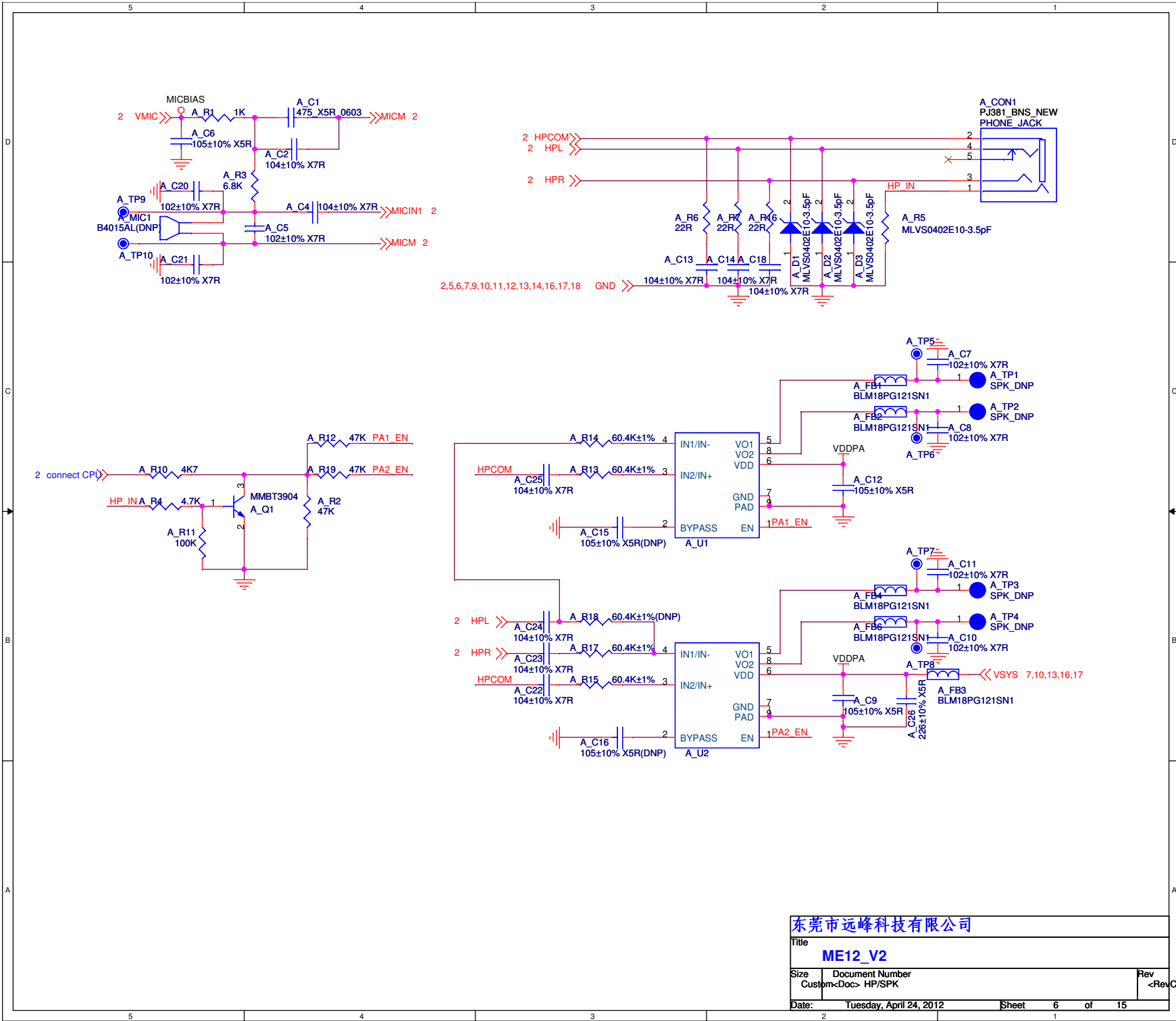
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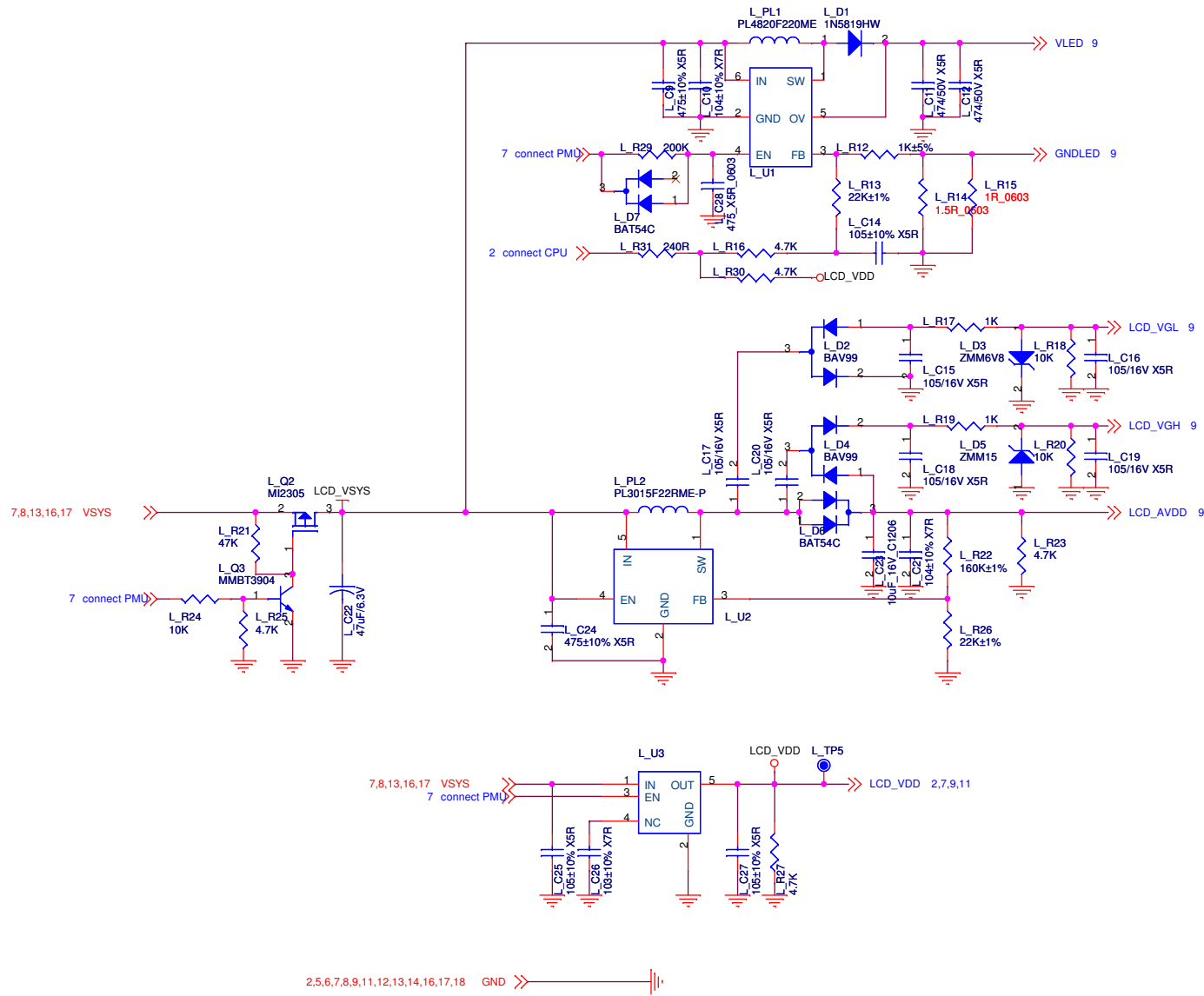
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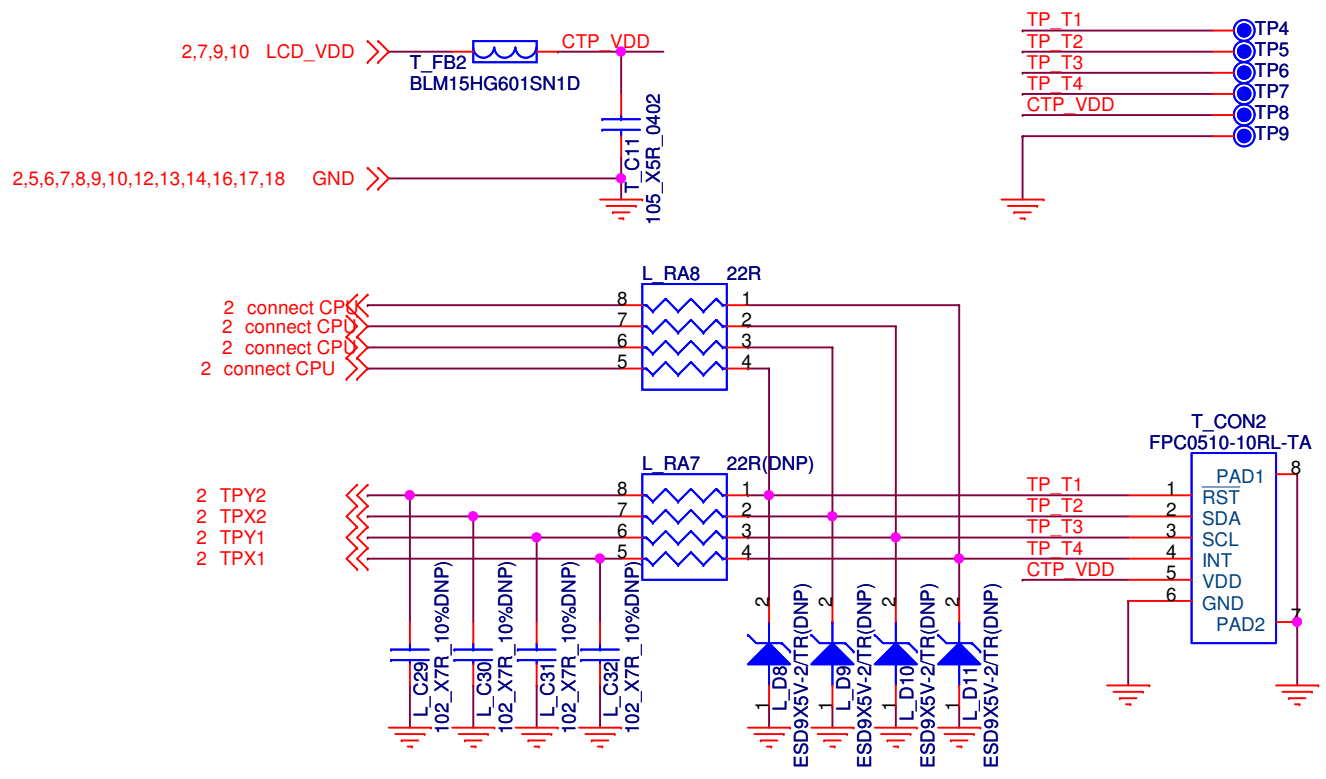
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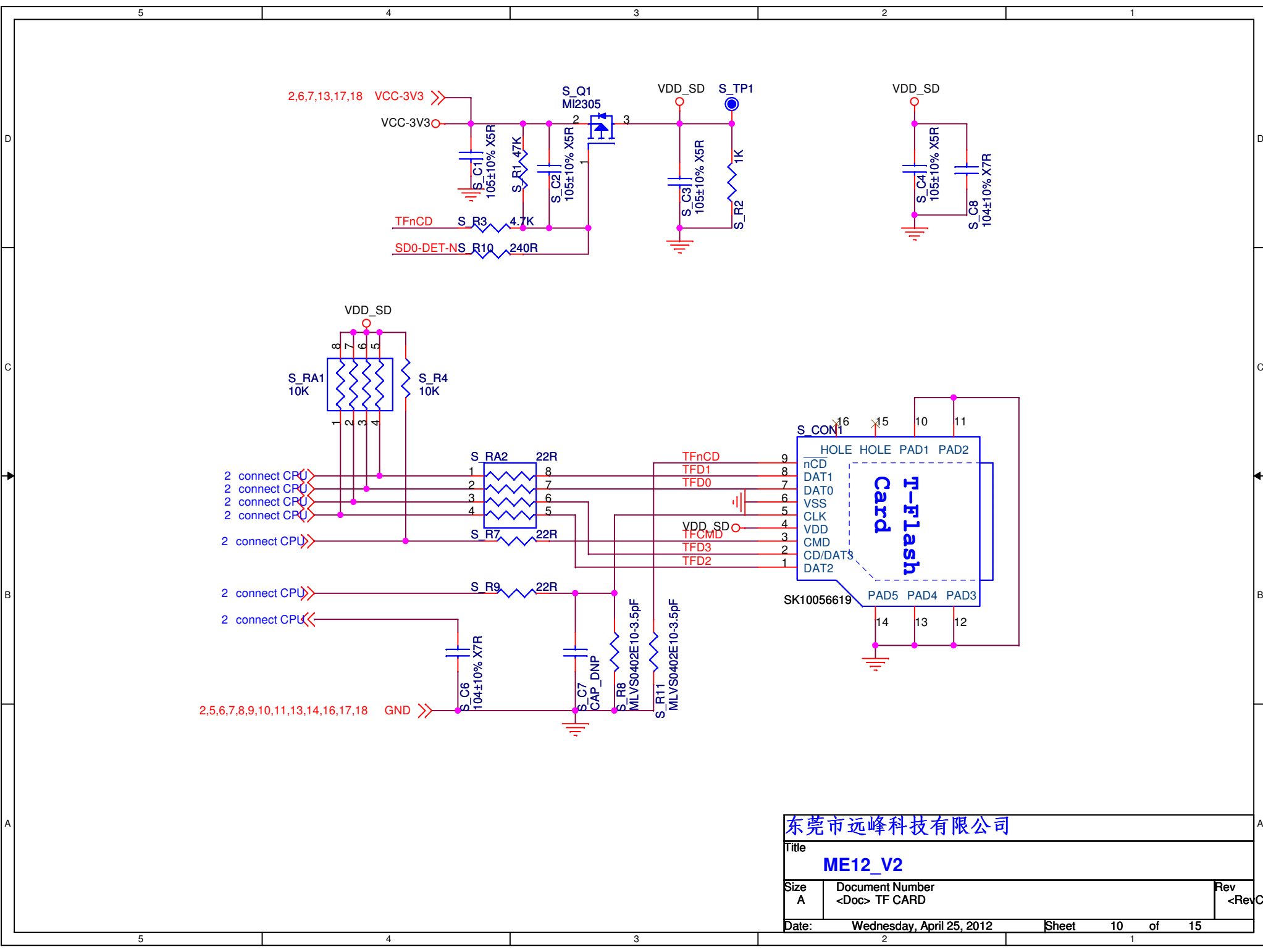
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<Doc> TF CARD

Rev

<Rev Code>

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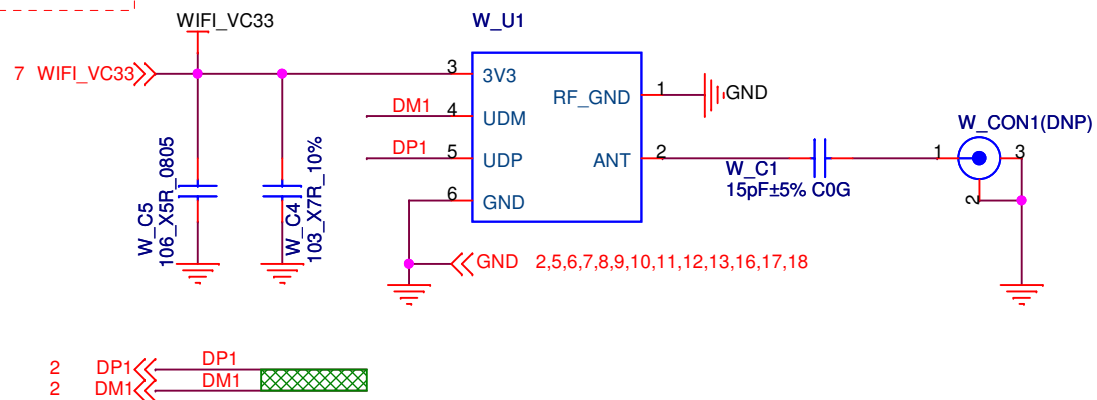
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USB WIFI



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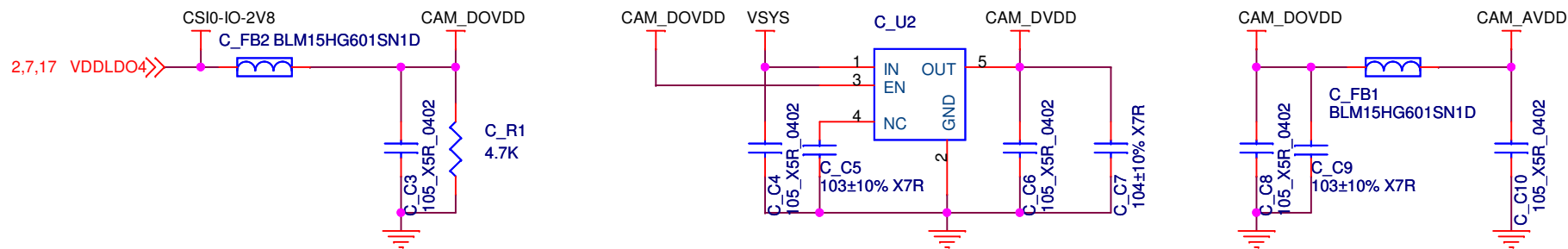
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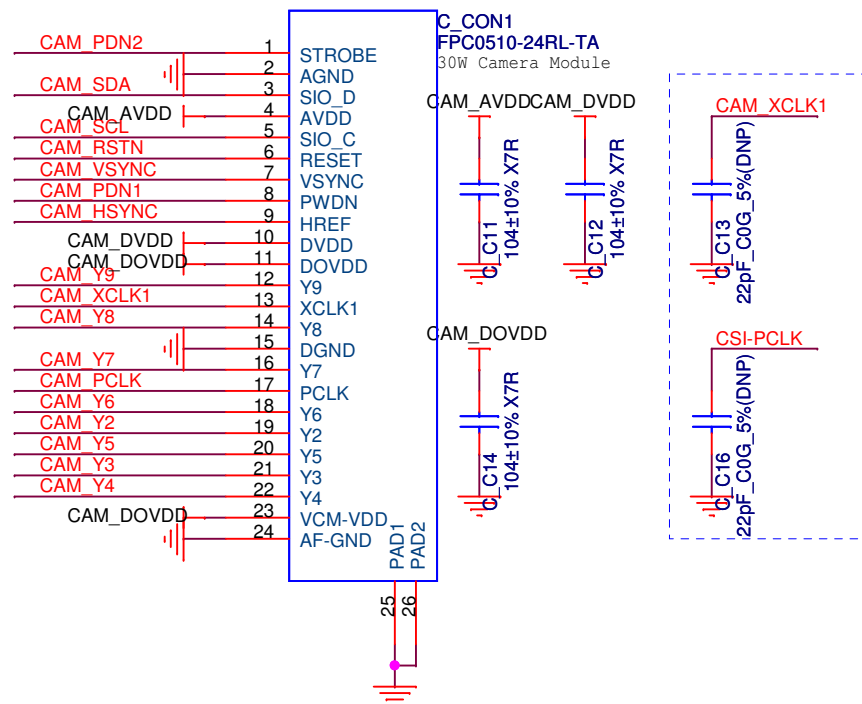
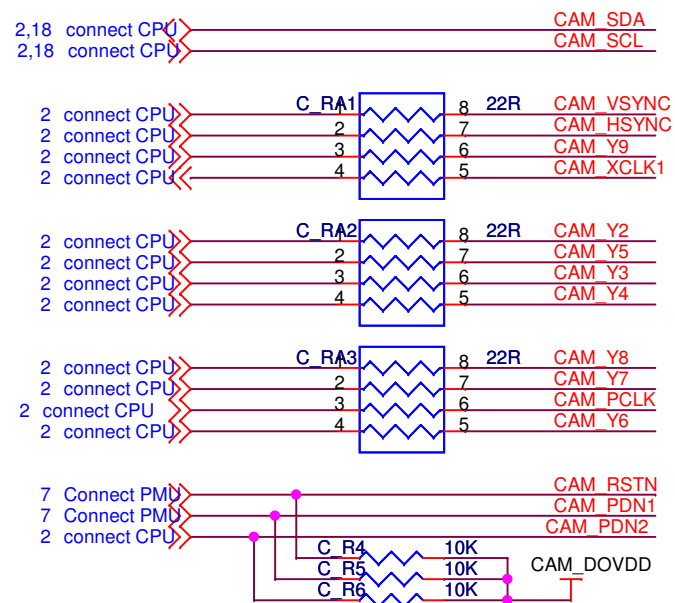
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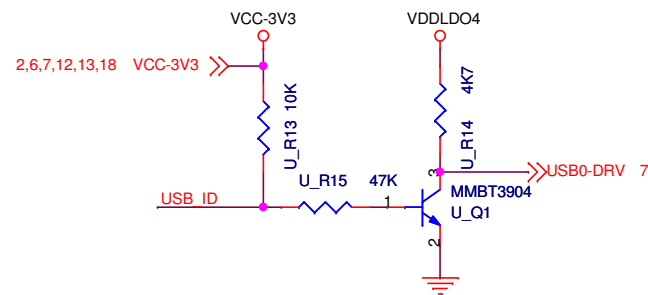
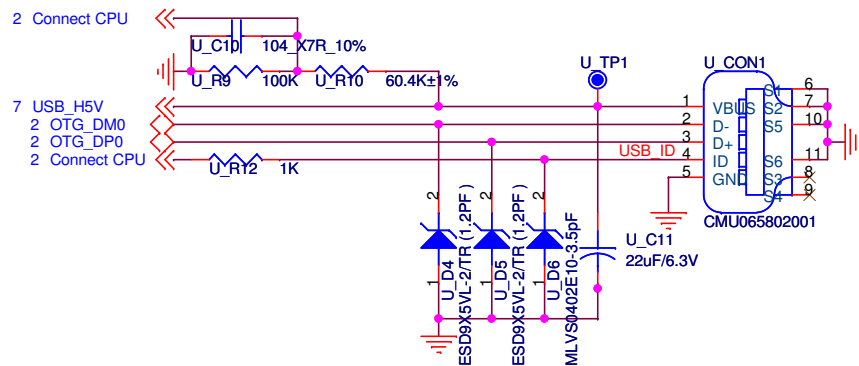
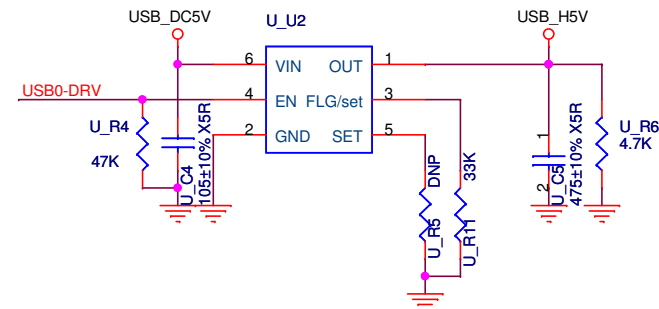
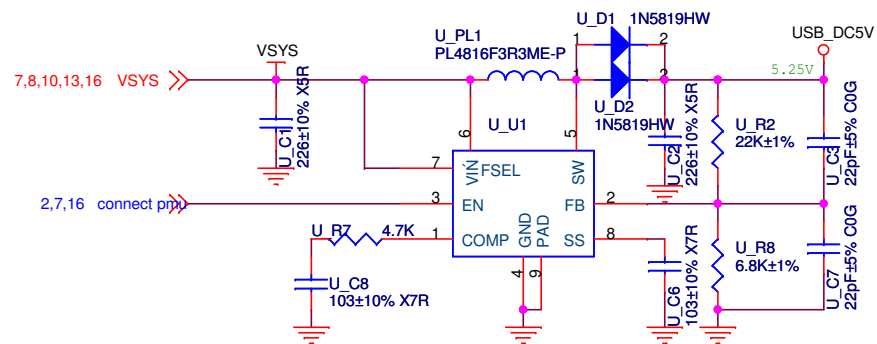


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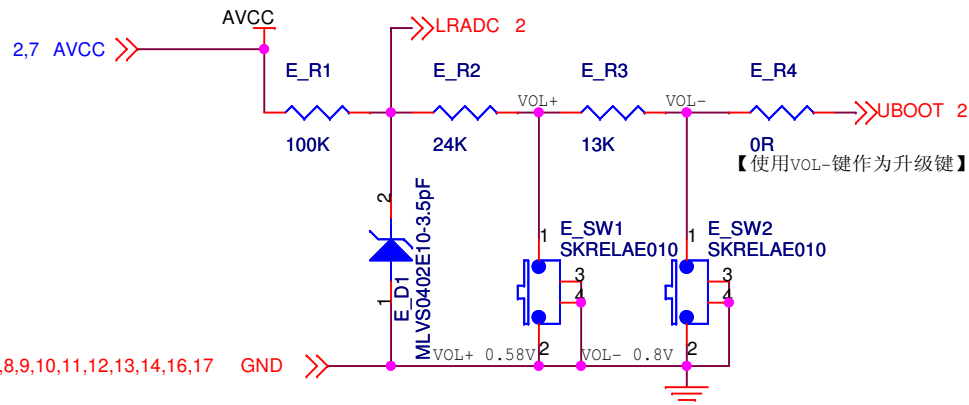


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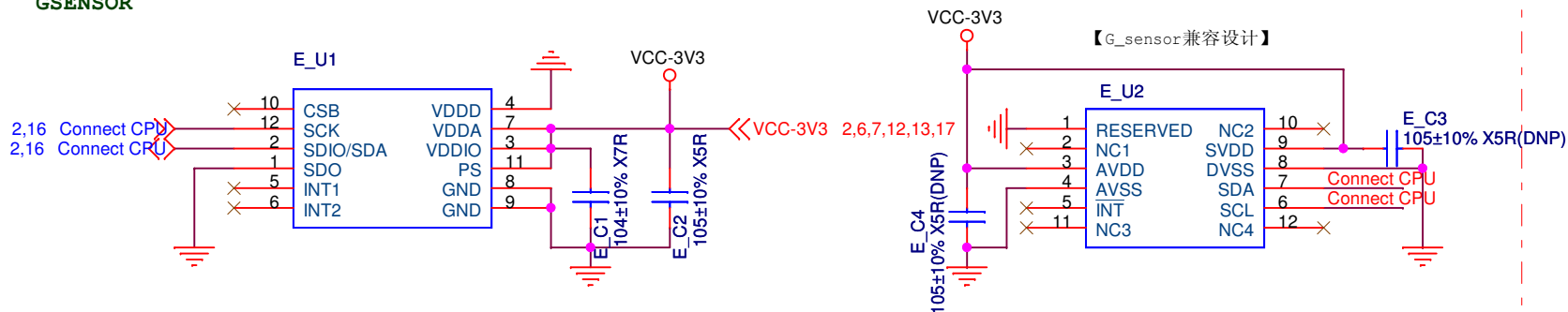
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KEY



GSENSOR



MARK1 MARK2 MARK3 MARK4
MARK(DNP) MARK(DNP) MARK(DNP) MARK(DNP)

MARK5 MARK6
MARK(DNP) MARK(DNP)

H1
H0.5X1.1(DNP)

H2
H0.5X1.1(DNP)

PCB HOLE1
HOLE1.2N(DNP)

PCB HOLE2
HOLE1.2N(DNP)

PCB HOLE4
HOLE1.2N(DNP)

PCB HOLE3
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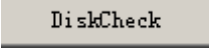
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<Doc> 其它功能部分电路

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1: Run phoenixcard

2: connect SD card reader to PC (only support mirco-SD card-reader)

3: Click on  button

4: and select the right disk 

5: Click  to select the FW

6: Select the write mode

We use **Product** mode

7: Click burn button, and then it begin to write the fw to the micro-SD card

When it finished burning, insert the card into the device, and turn on the device.

Now the device is beginning to upgrade

