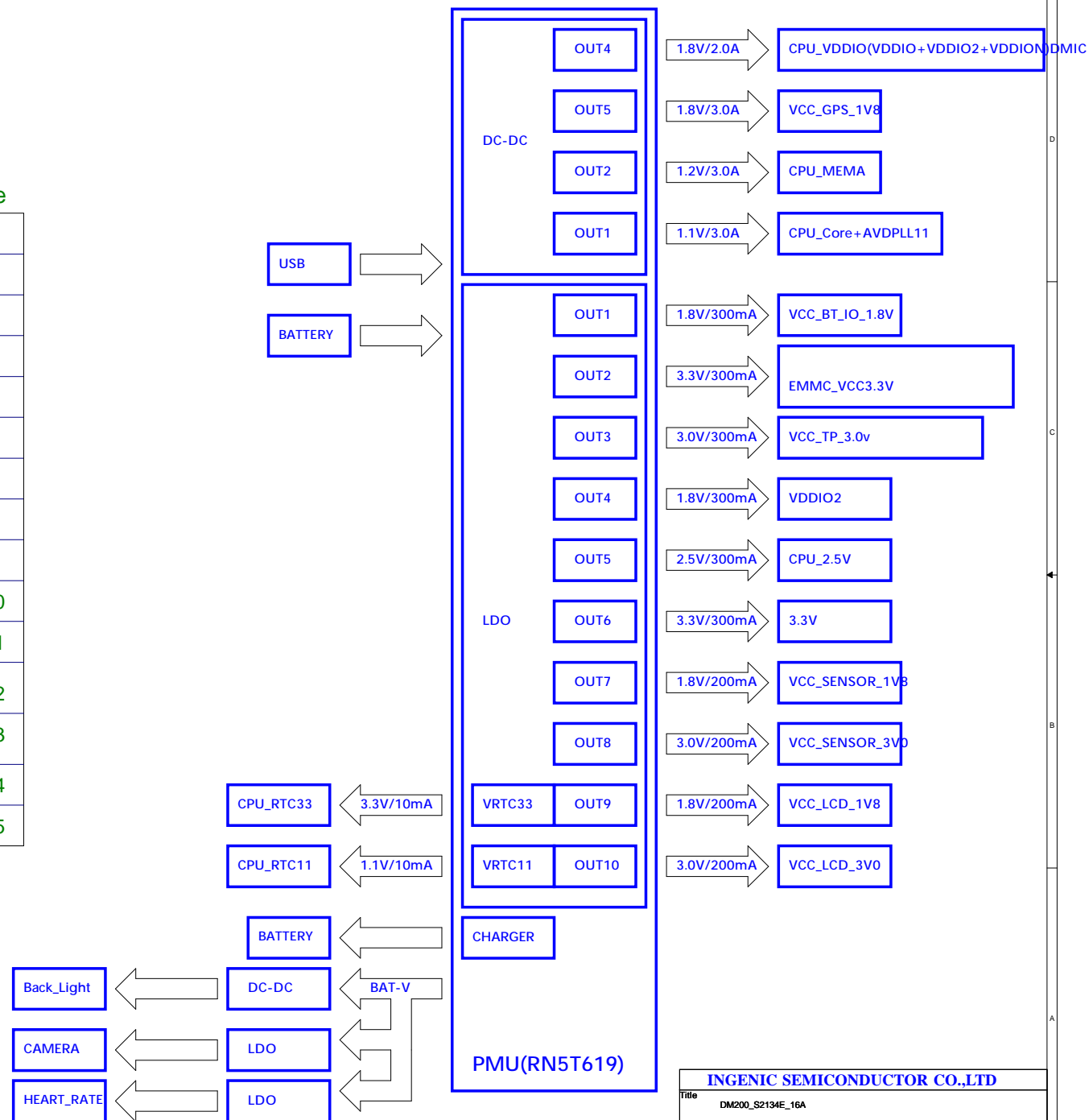
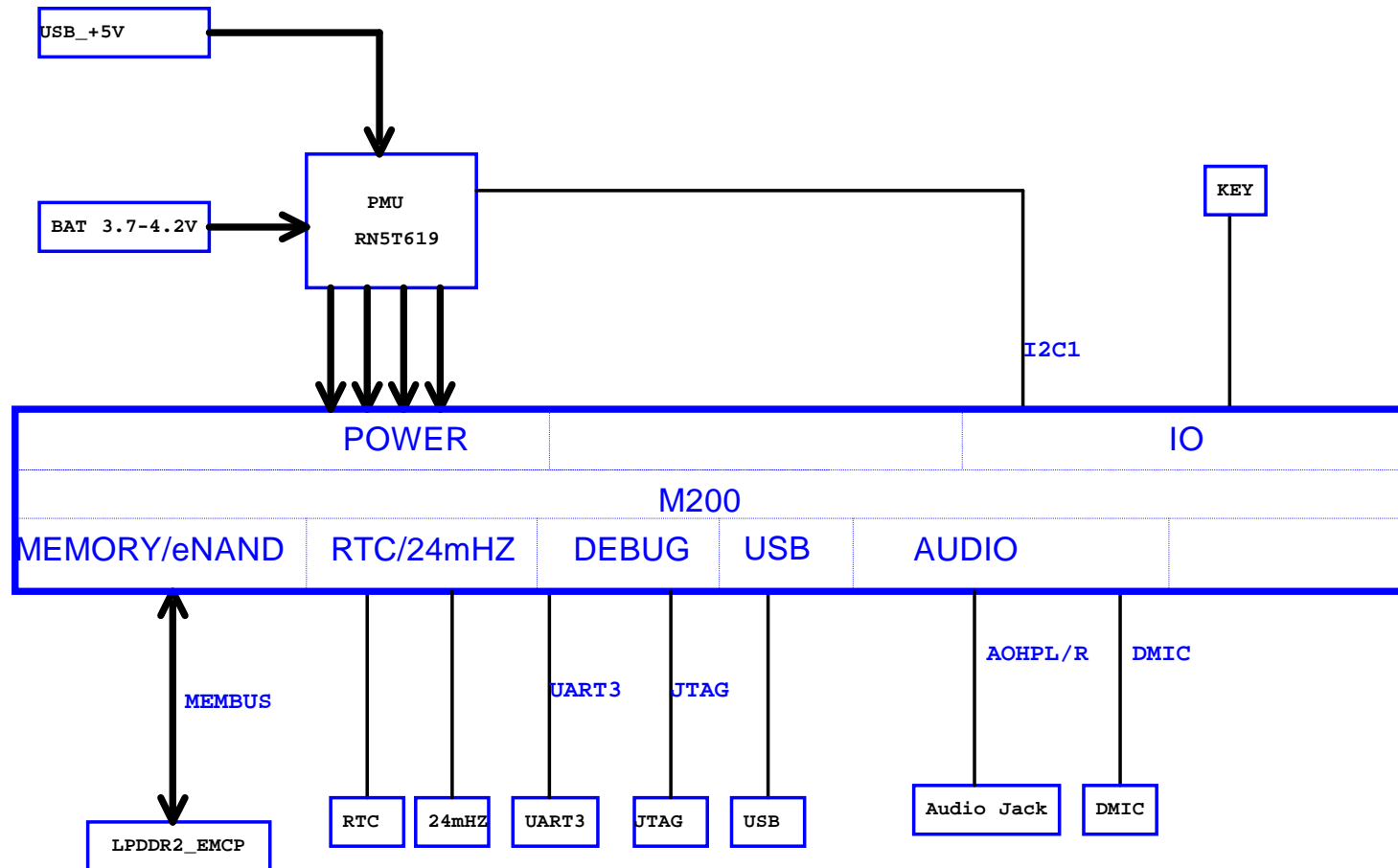


# **INGENIC M200\_S2134E-16A**

Title Page

COVER SHEET/POWER ARCHITECTURE	1
SYSTEM ARCHITECTURE	2
PMU_RC5T619	3
CPU_PWRKEY	4
EMCP	5
IO	6
AMOLED	7
BT&WIFI	8
SENSOR/MOTOR	9
USB/INTERFACE	10
HISTORY_CHANGE	11
	12
	13
	14
	15





ADP 不用跟BUS连起防止之间的互漏

6 SMB1\_SDA  
6 SMB1\_SCK  
5,6 PPRST\_N  
6 WKUP\_N  
6 PMU\_IRQ\_N  
6 PMU\_SLEEP  
6 RTCLK

ILP, ILM 跟按 LA 焊盘来做  
走线直接返回到 EMU 的  
C4, C5 不能通过 Y 再到 PIN 脚

R4 与电池必须同时在或是同时不在

ICP, ICM 线跟 LP 类似处理

GPIO4 OTP 设置为一个内部带源上升沿有效, 但是不能作为关断源

DP, DM 接, 限制电流走 OTP

WKUP\_N: PMU 的 OTP 默认电平 1S 开机!  
默认长按 4S 给 PMU 掉电 (硬件掉电) 时间段。  
是关机操作还是软件可设。

CM8V-T1A 32.768K

PMU RC5T619

电源绿色字体上电默认打开

CPU\_CORE CPU\_CORE also for PLL1V1 SUPPLY

CPU\_VMENA Power For EMCP LPDDR2

CPU\_VDDIO CPU\_VDDIO also for VDDION, VDDMEM\_1V8 SUPPLY

VDDIO2: Adapt to some special Peripheral  
CPU\_2V5 also for CSI2V5, DSI2V5, PLL2V5 SUPPLY  
+3V3: Power for VDCDC, VADC, VUSB3

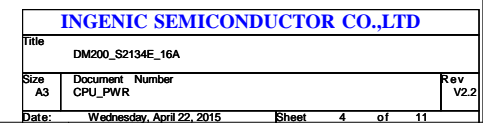
蓝色字体 ALWAYS ON  
GPIO2: HAD BE SET TO VRTC2 BY OTP

SLEEP 通过 EMU 的 O 控制,  
也可以通过 X 来控制

VCC\_BTIO\_1V8  
EMMC\_VCC  
VDDIO2  
CPU\_2V5  
+3V3  
VCC\_SENSOR1V8  
VCC\_SENSOR3V3  
VCC\_LCD\_1V8  
VCC\_LCD\_3V0

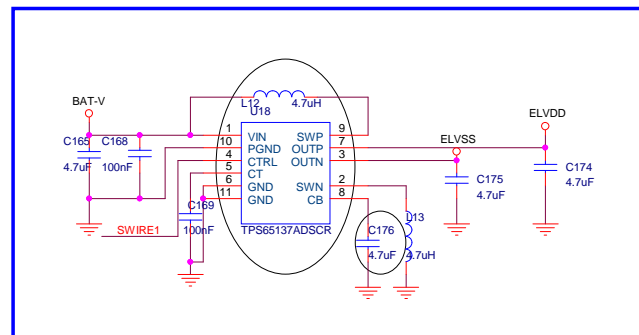
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Title			DM200_S2134E_16A
Size	Document Number	Rev	
A3	PMU_RC5T619	V2.2	
Date:	Wednesday, April 22, 2015	Sheet	3 of 11

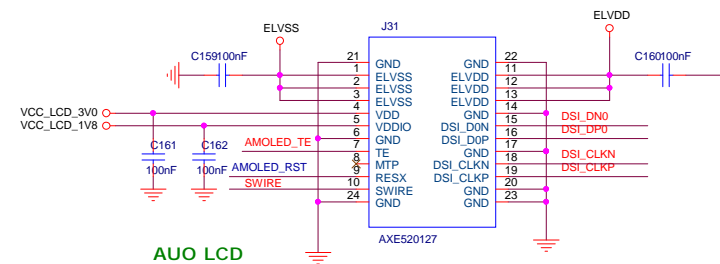






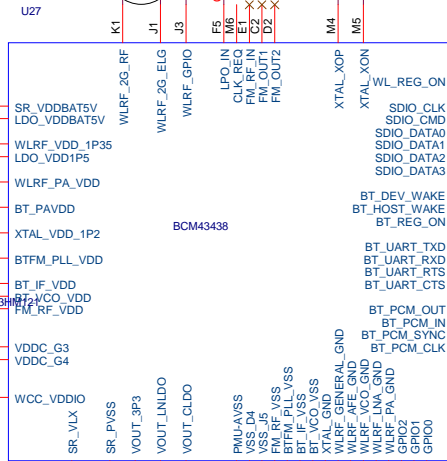
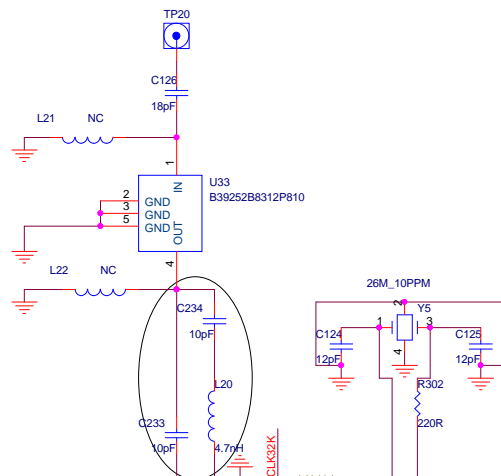


The diagram illustrates the electrical connections for the LCD module. It shows a power supply section with BAT-V and ELVDD pins connected to a common ground. The LCD module has three main signal lines: LCD\_PWM, LCD134, and SWIRE. The AU0 display is connected to R135, NC, and R136. The TFT display is connected to R135, R134, and R136. The SWIRE line is connected to the SWIRE pin of the LCD module.

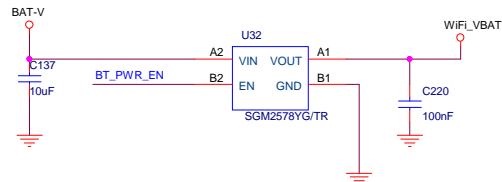


6 BT\_PWR\_EN >>  
6,10 CLK32K >>  
6 BT\_REG\_EN >>  
6 BT\_WAKE\_HOST >>  
6 HOST\_WAKE\_BT >>  
6 BT\_PCM\_DI >>  
6 BT\_PCM\_DO >>  
6 BT\_PCM\_SYNC >>  
6 BT\_PCM\_CLK >>  
6 BT\_UART0\_RXD >>  
6 BT\_UART0\_TXD >>  
6 BT\_UART0\_RTS >>  
6 BT\_UART0\_CTS >>  
6 WL\_REG\_EN >>  
6 WL\_WAKE\_HOST >>  
6 SDIO\_D0\_WIFI >>  
6 SDIO\_D1\_WIFI >>  
6 SDIO\_D2\_WIFI >>  
6 SDIO\_D3\_WIFI >>  
6 SDIO\_CMD\_WIFI >>  
6 SDIO\_CLK\_WIFI >>

VCC\_BTIO\_1V8  
R79 R80 R81 R82 R83  
47K 47K 47K 47K 10K  
SDIO\_D2\_WIFI  
SDIO\_D3\_WIFI  
SDIO\_D1\_WIFI  
SDIO\_D0\_WIFI  
SDIO\_CMD\_WIFI



G6 WL\_REG\_EN  
M7 SDIO\_CLK\_WIFI  
L6 SDIO\_CMD\_WIFI  
K6 SDIO\_D0\_WIFI  
H7 SDIO\_D1\_WIFI  
L7 SDIO\_D2\_WIFI  
J7 SDIO\_D3\_WIFI  
B1 HOST\_WAKE\_BT  
C1 BT\_WAKE\_HOST  
E6 BT\_REG\_EN  
A2 BT\_UART0\_RXD  
A1 BT\_UART0\_TXD  
C3 BT\_UART0\_CTS  
B2 BT\_UART0\_RTS  
B4 BT\_PCM\_DI  
C4 BT\_PCM\_DO  
B5 BT\_PCM\_SYNC  
A5 BT\_PCM\_CLK



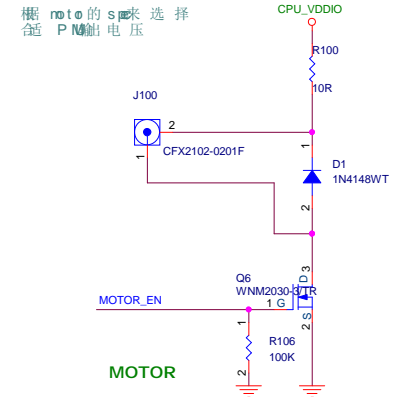
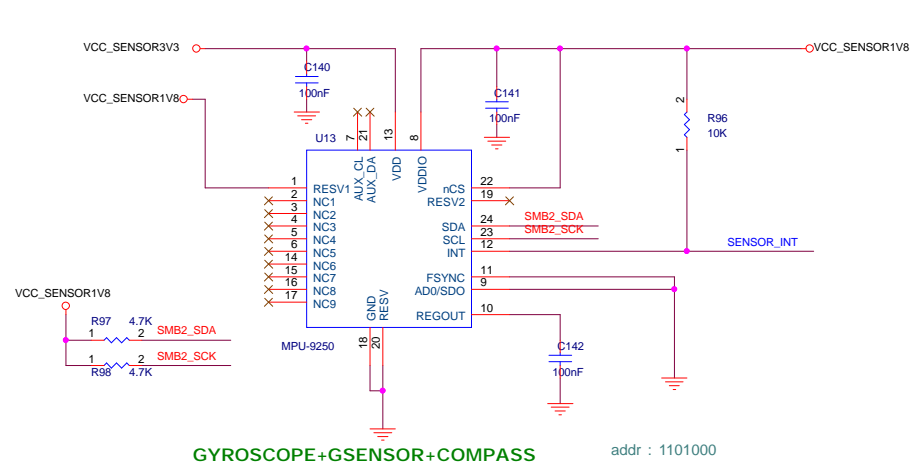
WIFI & BT & FM

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Title			
DM200_S2134E_16A			
Size	Document	Number	Rev
A3	BT&WIFI		V2.2
Date:	Wednesday, April 22, 2015		Sheet 8 of 11



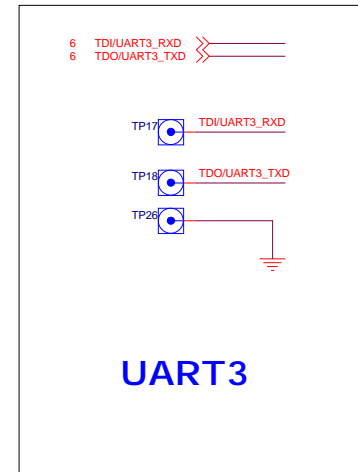
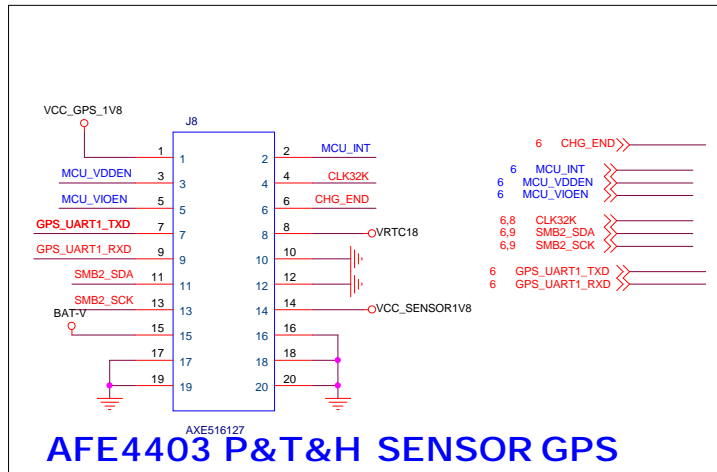
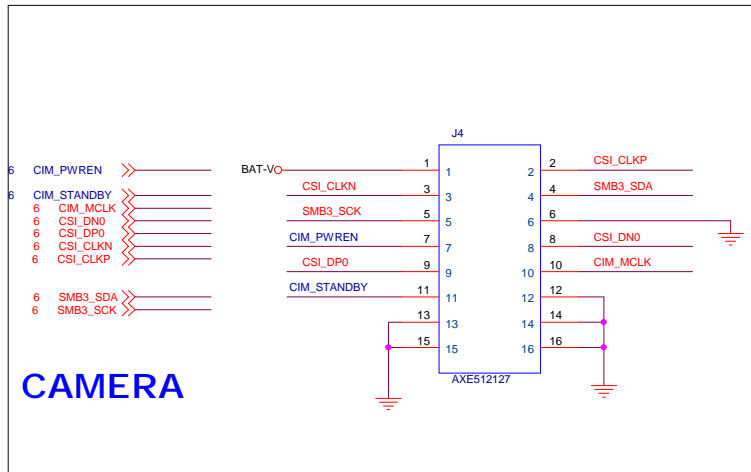
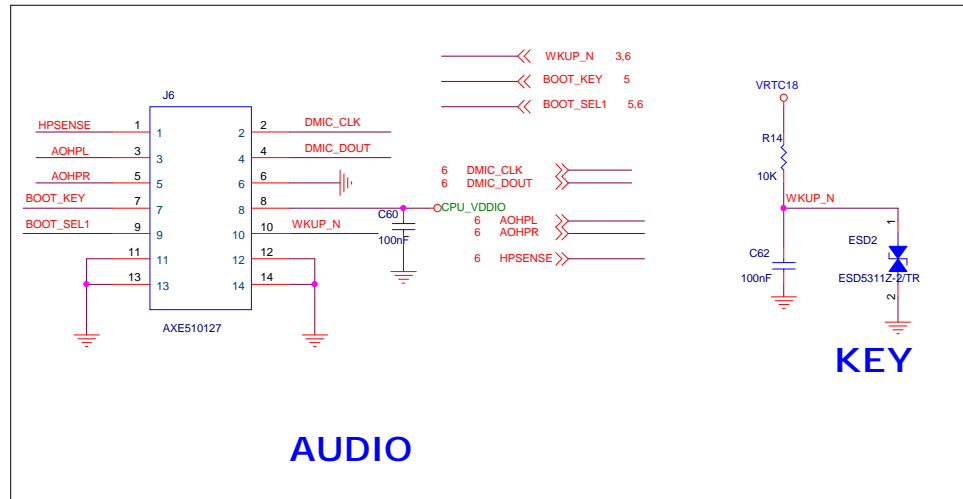
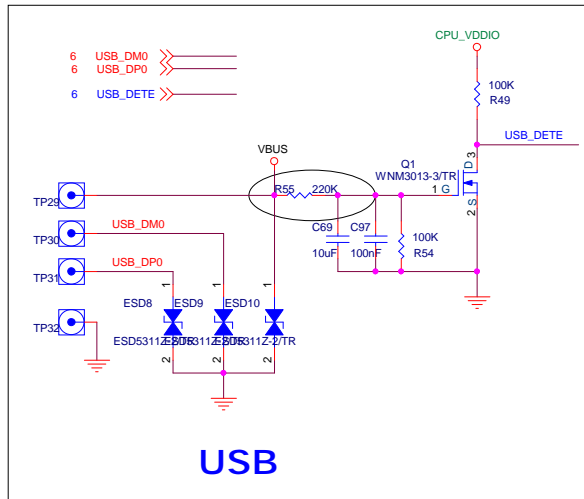
6 SENSOR\_INT>>  
6,10 SMB2\_SDA>>  
6,10 SMB2\_SCK>>  
6 MOTOR\_EN>>

Gyroscope : 3.2mA / 8uA  
Accelerometer: 450uA / 8uA  
Magnetometer : 280uA / NO Parameter



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Title			DM200_S2134E_16A
Size	Document	Number	Rev
A3	SENSOR		V2.2
Date:			Wednesday, April 22, 2015
Sheet			9 of 11



DataRevisionChange

JULY 22 2014	Rev1.0	1. First Revision
NOV 7 2014	Rev2.0	1.PAGE03 增加 C8，R9 改为 1M R10 改为 7K，R2 改为 39mR，VU SVAD 存在起 2.PAGE06,PAGE10 增加 CHG_0 网络 3.PAGE08 Y5 改为 20 封装 B 都 改为 0 21 封装 4.PAGE03 增加 R1 5.PAGE07 增加 R13，R35，R6，增加 IOPM 网络 来兼容 TF 160 6.PAGE06 C90，C91 改为 12p F
	Rev2.1	1.PAGE09 Q6 改为 WNM208 2.PAGE08 C126,C233,C234 改为 电阻：C236、C25 120 改为 33H C124，C125 改为 12 F 匹配。
JAN 20 2015	Rev2.2	1.PAGE07 将 ps65631dpd 改为 TPS65137 ADS 增加 C 2.PAGE10 去掉 J 插键部分 合到 J6 上 3.PAGE5 增加 R3，D2，C1，用于 BOOT 启动
JAN 22 2015	Rev2.2	1.PAGE10 增加 R5 与 R4 分压 确保 5V 导通 1.8V 不通 2.PAGE8 去掉 TP1 9 3.PAGE10 J8 改为 1pin 4.PAGE3 去掉 C9 5.PAGE8 去掉 C23，C25，C29 改为 100nF C23 改为 FC225,C226 改为 2.2u F 6.PAGE8 增加 U3，B 改为 03 封装，L2 改为 4.7nH,C233，C2 3 改为 0.1
APR 22 2015	Rev2.2.1	1.PAGE03 去掉 R3，R 改为 4 减小功耗。