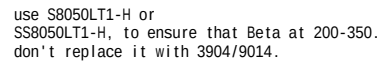


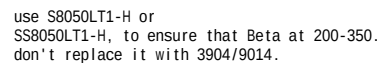
Amplifier placed close to the MIC, MIC1N/MIC1P close alignment, differential line package HP_AGND;

Headphone MIC

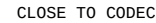


CLOSE TO MIC

Headphone MIC

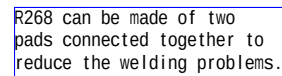


~~CLOSE TO MIC~~

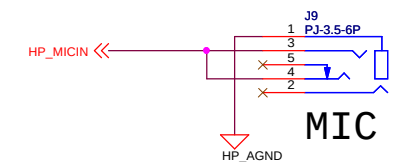


0.01uA when shutdown GND to the power and GND of the power amplifier directly, thick enough

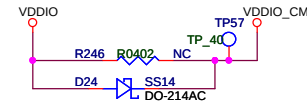
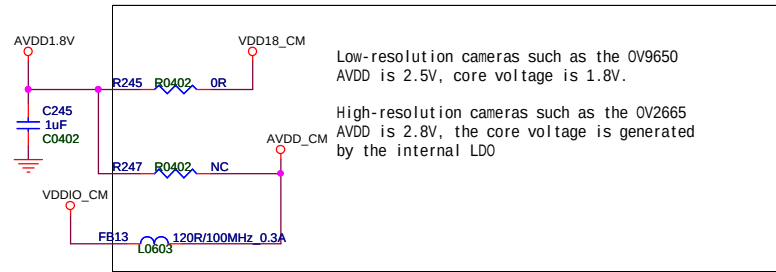
中间触点是Right声道
注意检查PCB和实物，
确认声道连接是否正确



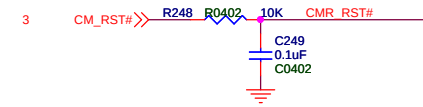
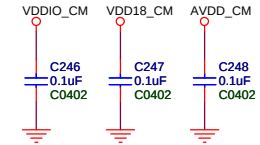
Please make sure that the physical package, left and right channels is correct.



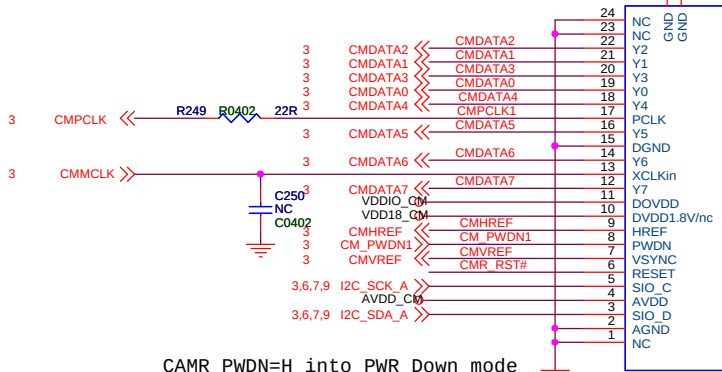
MIC



Some camera models require IO voltage <AVDD +0.3
Otherwise use 0R resistor to replace the diode



CAMERA

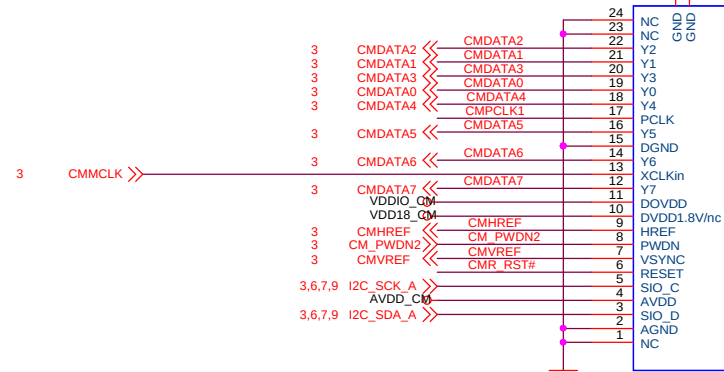


CAMR_PWDN=H into PWR_Down mode
Note to confirm the camera model match the structure

FPC24P-0.5MM
Front Camera
Galaxycore camera:
200W pixels/30fps

Camera: Ling Industrial Co., Ltd. Guangzhou
DC-100628A:200W pixels/
30fps for SVGA&15fps for UXGA.
Note that both camera FPC interface definition is different.

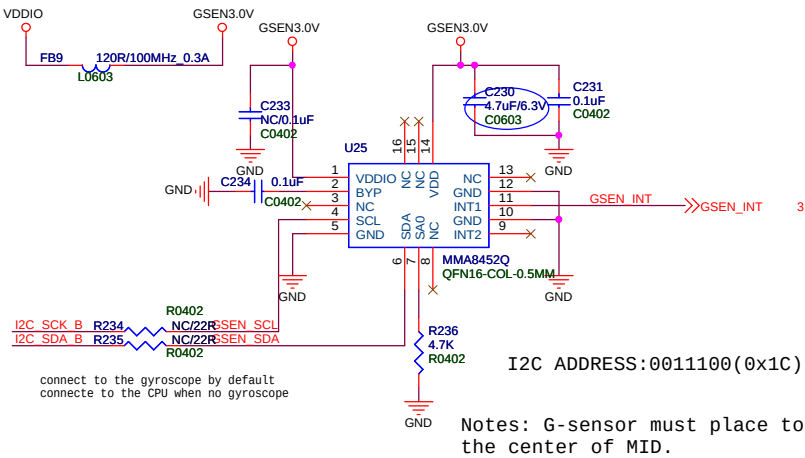
CAMERA



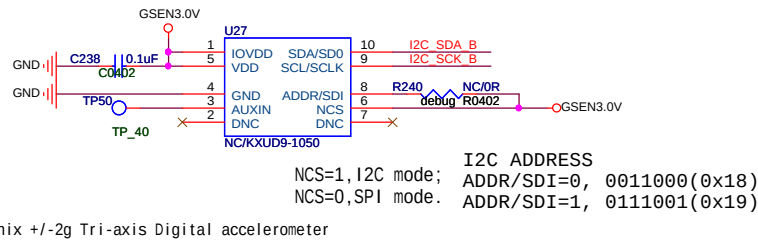
H powerdown,
L active

FPC24P-0.5MM
Back Camera
Galaxycore
camera:
200W pixels/30fps

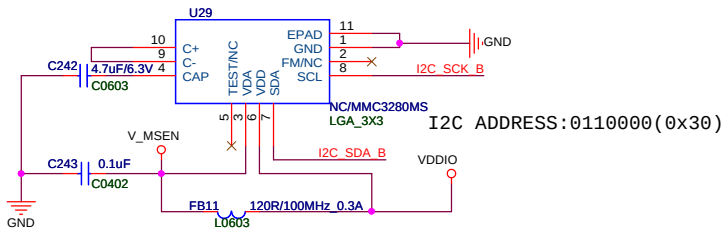
Note: The direction of the camera imaging
and LCD screen must be horizontal direction,
or 180°, otherwise the software can not be
adjusted.



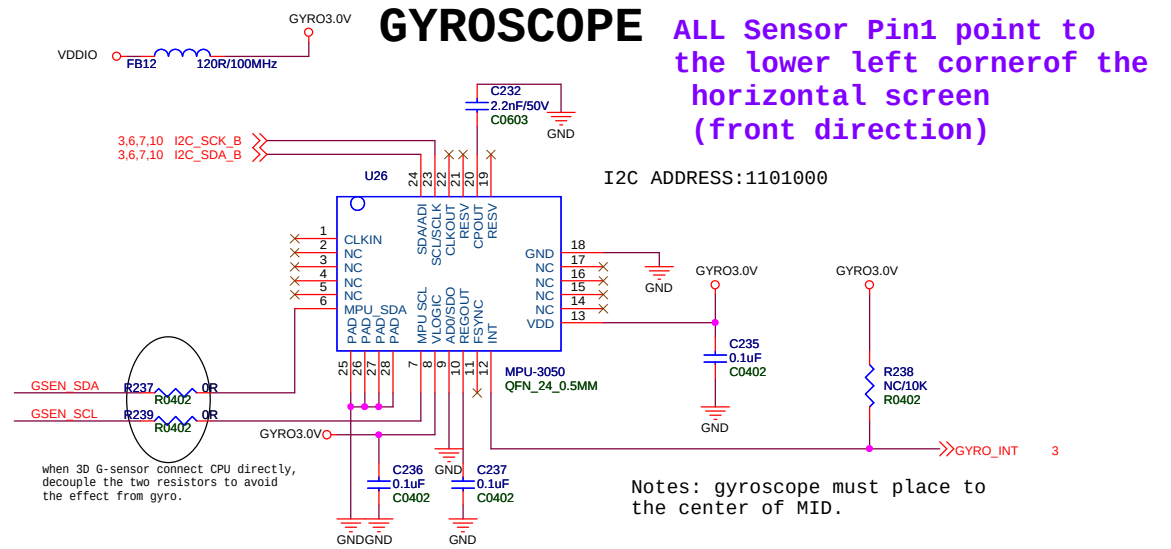
3-Axis G Sensor



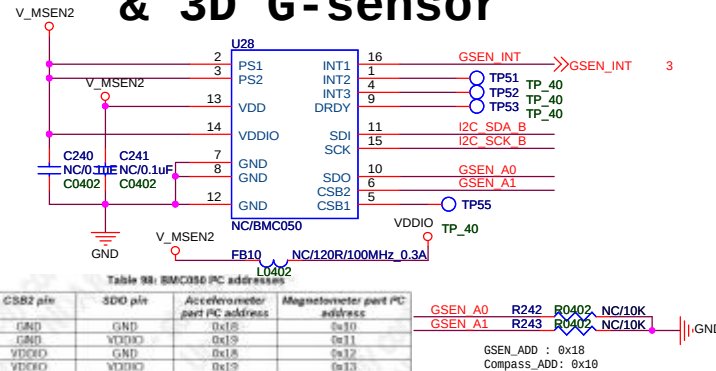
Magnetic Sensor



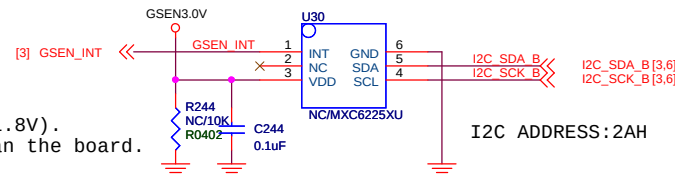
keep away from speakers, motors, metal dome buttons, tin and other materials with great impact on the field, >20mm away from Speaker, MOTOR, >20mm away from large current Power line, (such as VBAT,VCCX,VCC1.2V, VCC1.8V). place on the board side, for the magnetic field environment is better than the board.



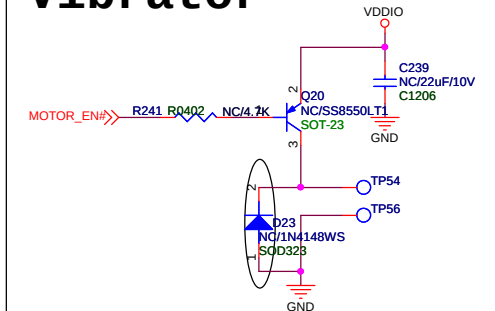
Magnetic Sensor & 3D G-sensor



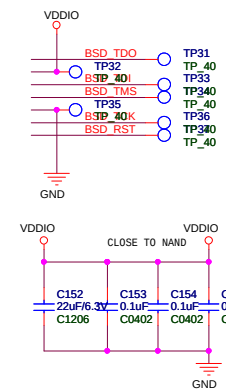
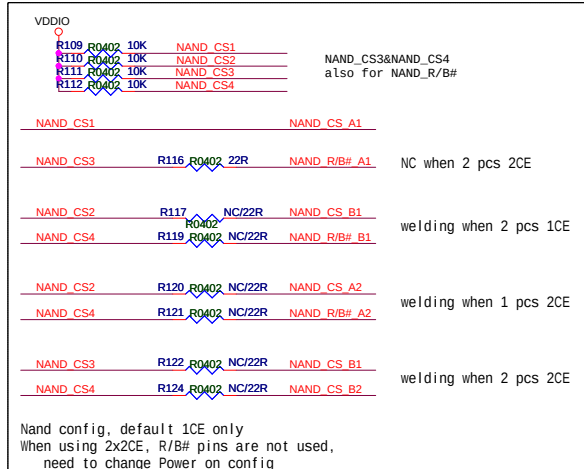
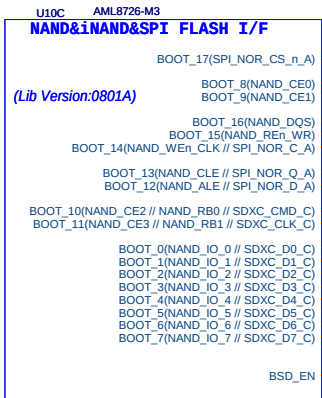
2-Axis G Sensor for option



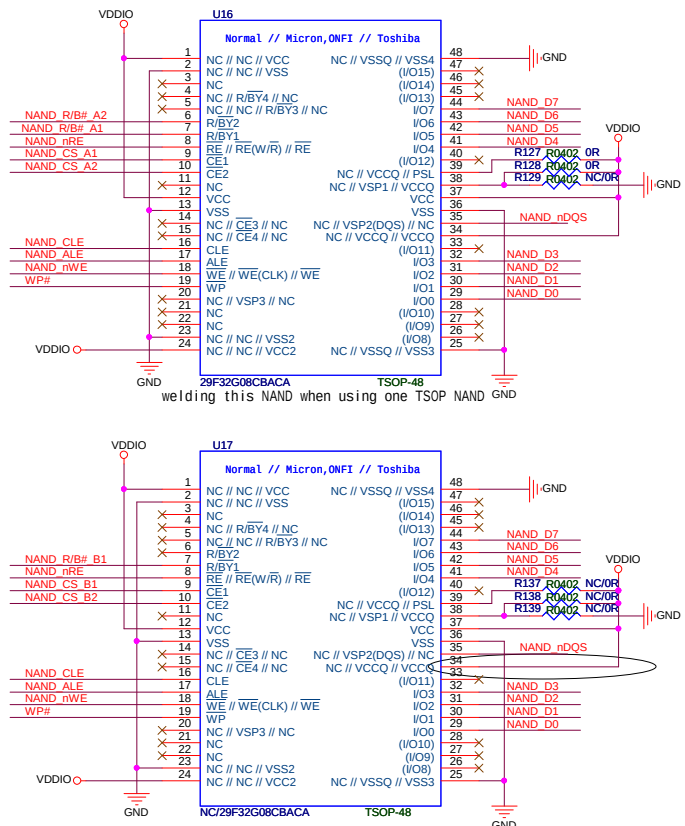
Vibrator



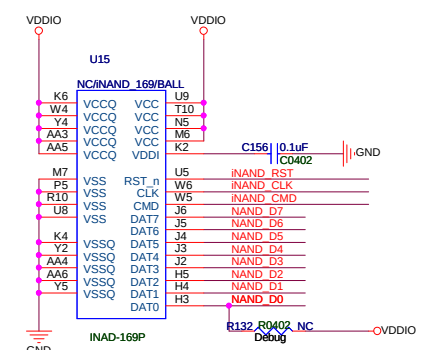
OPTIONAL



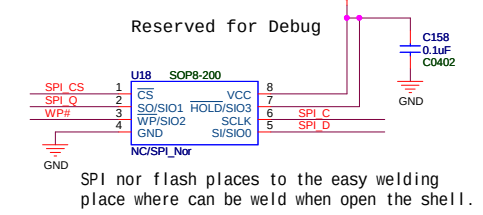
TSOP_NAND



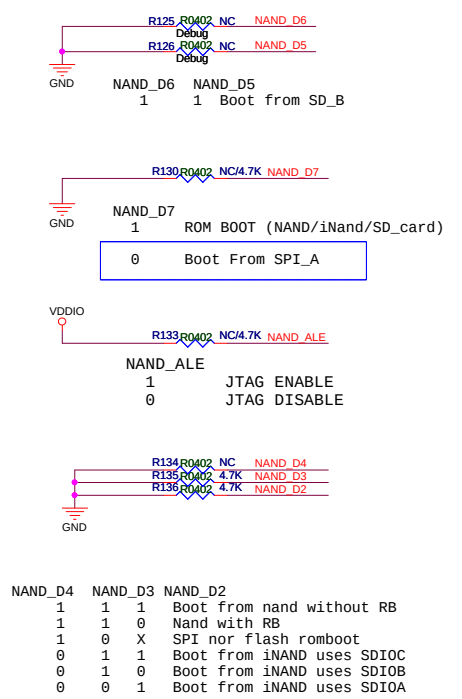
INAND



SPI NOR



Power On Config place to the
 easy welding place where can be
 weld when open the shell.



Power ON Config

U108

DDR II or DDR III I/F

DDR3_RST_B	P20	DDR3_RST
DDR3_WE_B(DDR2_A12)	AA18	DDR3_DWE
DDR3_CS0_B(DDR2_A13)	W21	DDR3_CS0
DDR3_CS1_B(DDR2_A14)	AB18	DDR3_CS1
DDR3_RAS_B	AA16	DDR3_RAS
DDR3_CAS_B(DDR2_A7)	AB17	DDR3_CAS
DDR3_BA_0(DDR2_WE#)	Y21	DDR3_BA0
DDR3_BA_1(DDR2_CAS#)	P22	DDR3_BA1
DDR3_BA_2(DDR2_A9)	Y19	DDR3_BA2
DDR3_A_0(DDR2_BA2)	AA22	DDR3_A0
DDR3_A_1(DDR2_A8)	T21	DDR3_A1
DDR3_A_2(DDR2_A5)	AA19	DDR3_A2
DDR3_A_3(DDR2_BA0)	Y22	DDR3_A3
DDR3_A_4(DDR2_A2)	T20	DDR3_A4
DDR3_A_5(DDR2_BA1)	U22	DDR3_A5
DDR3_A_6(DDR2_A4)	AB20	DDR3_A6
DDR3_A_7(DDR2_A1)	Y21	DDR3_A7
DDR3_A_8(DDR2_A8)	AA20	DDR3_A8
DDR3_A_9(DDR2_A3)	N21	DDR3_A9
DDR3_A_10(DDR2_RAS#)	U21	DDR3_A10
DDR3_A_11(DDR2_A6)	R22	DDR3_A11
DDR3_A_12(DDR2_CS#)	U21	DDR3_A12
DDR3_A_13(DDR2_A10)	V22	DDR3_A13
DDR3_A_14(DDR2_A11)	P21	DDR3_A14
DDR3_A_15(DDR2_CS#)	P21	DDR3_A15

(Lib Version:0801A)

DDR3_cke_0	AB23	DDR3_CKE0
DDR3_ck_B	AB24	DDR3_CLK0
DDR3_cke_1	M22	DDR3_CKE1
DDR3_ck_1	M23	DDR3_CLK1
DDR3_ck_1_N	AA17	DDR3_ODT0
DDR3_cke_0	Y17	DDR3_ODT1
DDR3_dm_0	AC22	DDR3_DQM0
DDR3_dm_1	AE21	DDR3_DQS0
DDR3_dqs_0	AD21	DDR3_DQS0
DDR3_dqs_0_n	AD18	DDR3_DQ
DDR3_dq_0(DDR2_DQ0)	AD25	DDR3_DQ0
DDR3_dq_1(DDR2_DQ7)	AC18	DDR3_DQ1
DDR3_dq_2(DDR2_DQ3)	AE17	DDR3_DQ2
DDR3_dq_3(DDR2_DQ0)	AB22	DDR3_DQ3
DDR3_dq_4(DDR2_DQ4)	AC24	DDR3_DQ4
DDR3_dq_5(DDR2_DQ5)	AD17	DDR3_DQ5
DDR3_dq_6(DDR2_DQ3)	AC25	DDR3_DQ6
DDR3_dq_7(DDR2_DQ2)	AD20	DDR3_DQM1
DDR3_dqs_1	AD22	DDR3_DQS1
DDR3_dqs_1_N	AD23	DDR3_DQS1
DDR3_dqs_1_n	AD19	DDR3_DQ1
DDR3_dq_10(DDR2_DQ10)	AC19	DDR3_DQ10
DDR3_dq_11(DDR2_DQ12)	AE23	DDR3_DQ11
DDR3_dq_12(DDR2_DQ15)	AE25	DDR3_DQ12
DDR3_dq_13(DDR2_DQ9)	AD23	DDR3_DQ13
DDR3_dq_14(DDR2_DQ8)	AD24	DDR3_DQ14
DDR3_dq_15(DDR2_DQ11)	AC21	DDR3_DQ15
DDR3_dm_2	T23	DDR3_DQM2
DDR3_dqs_2	T25	DDR3_DQS2
DDR3_dqs_2_n	U24	DDR3_DQS2
DDR3_dq_16(DDR2_DQ22)	Y24	DDR3_DQ16
DDR3_dq_17(DDR2_DQ13)	N23	DDR3_DQ17
DDR3_dq_18(DDR2_DQ17)	Y23	DDR3_DQ18
DDR3_dq_19(DDR2_DQ16)	AA23	DDR3_DQ19
DDR3_dq_20(DDR2_DQ20)	M23	DDR3_DQ20
DDR3_dq_21(DDR2_DQ21)	AA24	DDR3_DQ21
DDR3_dq_22(DDR2_DQ19)	N24	DDR3_DQ22
DDR3_dq_23(DDR2_DQ18)	V23	DDR3_DQ23
DDR3_dm_3	T24	DDR3_DQM3
DDR3_dqs_3	R23	DDR3_DQS3
DDR3_dqs_3_n	P24	DDR3_DQS3
DDR3_dq_24(DDR2_DQ29)	W25	DDR3_DQ24
DDR3_dq_25(DDR2_DQ30)	P25	DDR3_DQ25
DDR3_dq_26(DDR2_DQ26)	W23	DDR3_DQ26
DDR3_dq_27(DDR2_DQ28)	W24	DDR3_DQ27
DDR3_dq_28(DDR2_DQ31)	R24	DDR3_DQ28
DDR3_dq_29(DDR2_DQ25)	B24	DDR3_DQ29
DDR3_dq_30(DDR2_DQ24)	Y24	DDR3_DQ30
DDR3_dq_31(DDR2_DQ27)	Y24	DDR3_DQ31

DDR3_dm_1	AD20	DDR3_DQM1
DDR3_dqs_1	AD22	DDR3_DQS1
DDR3_dqs_1_N	AD23	DDR3_DQS1
DDR3_dqs_1_n	AD19	DDR3_DQ1
DDR3_dq_10(DDR2_DQ10)	AC19	DDR3_DQ10
DDR3_dq_11(DDR2_DQ12)	AE23	DDR3_DQ11
DDR3_dq_12(DDR2_DQ15)	AE25	DDR3_DQ12
DDR3_dq_13(DDR2_DQ9)	AD23	DDR3_DQ13
DDR3_dq_14(DDR2_DQ8)	AD24	DDR3_DQ14
DDR3_dq_15(DDR2_DQ11)	AC21	DDR3_DQ15

DDR3_dm_2	T23	DDR3_DQM2
DDR3_dqs_2	T25	DDR3_DQS2
DDR3_dqs_2_n	U24	DDR3_DQS2
DDR3_dq_16(DDR2_DQ22)	Y24	DDR3_DQ16
DDR3_dq_17(DDR2_DQ13)	N23	DDR3_DQ17
DDR3_dq_18(DDR2_DQ17)	Y23	DDR3_DQ18
DDR3_dq_19(DDR2_DQ16)	AA23	DDR3_DQ19
DDR3_dq_20(DDR2_DQ20)	M23	DDR3_DQ20
DDR3_dq_21(DDR2_DQ21)	AA24	DDR3_DQ21
DDR3_dq_22(DDR2_DQ19)	N24	DDR3_DQ22
DDR3_dq_23(DDR2_DQ18)	V23	DDR3_DQ23
DDR3_dm_3	T24	DDR3_DQM3
DDR3_dqs_3	R23	DDR3_DQS3
DDR3_dqs_3_n	P24	DDR3_DQS3
DDR3_dq_24(DDR2_DQ29)	W25	DDR3_DQ24
DDR3_dq_25(DDR2_DQ30)	P25	DDR3_DQ25
DDR3_dq_26(DDR2_DQ26)	W23	DDR3_DQ26
DDR3_dq_27(DDR2_DQ28)	W24	DDR3_DQ27
DDR3_dq_28(DDR2_DQ31)	R24	DDR3_DQ28
DDR3_dq_29(DDR2_DQ25)	B24	DDR3_DQ29
DDR3_dq_30(DDR2_DQ24)	Y24	DDR3_DQ30
DDR3_dq_31(DDR2_DQ27)	Y24	DDR3_DQ31

DDR3_rRAS	DDR3_rRAS
DDR3_ODT1	DDR3_ODT1
DDR3_ODT0	DDR3_ODT0
DDR3_rCAS	DDR3_rCAS
DDR3_rCS1	DDR3_rCS1
DDR3_rWE	DDR3_rWE
DDR3_BA2	DDR3_BA2
DDR3_A2	DDR3_A2
DDR3_A9	DDR3_A9
DDR3_A7	DDR3_A7
DDR3_A13	DDR3_A13
DDR3_A5	DDR3_A5
DDR3_A0	DDR3_A0
DDR3_A3	DDR3_A3
DDR3_BA0	DDR3_BA0
DDR3_rCS0	DDR3_rCS0
DDR3_A8	DDR3_A8
DDR3_A14	DDR3_A14
DDR3_A6	DDR3_A6
DDR3_A11	DDR3_A11
DDR3_A15	DDR3_A15
DDR3_A10	DDR3_A10
DDR3_CKE0	DDR3_CKE0
DDR3_CKE1	DDR3_CKE1

DDR3_A0	DDR3_A0
DDR3_A3	DDR3_A3
DDR3_BA0	DDR3_BA0
DDR3_rCS0	DDR3_rCS0
DDR3_A8	DDR3_A8
DDR3_A14	DDR3_A14
DDR3_A6	DDR3_A6
DDR3_A11	DDR3_A11
DDR3_A15	DDR3_A15
DDR3_A10	DDR3_A10
DDR3_CKE0	DDR3_CKE0
DDR3_CKE1	DDR3_CKE1

DDR3_CLK0	R105 R0402 22R	DDR3_CLK0
DDR3_CLK1	R106 R0402 22R	DDR3_CLK1
DDR3_CLKN1	R107 R0402 22R	DDR3_CLKN1
DDR3_CLKN1	R108 R0402 22R	DDR3_CLKN1

DDR3_RST	R102 R0402 NC/22R	DDR3_RST
DDR3_RST	R103 R0402 10K	DDR3_RST
DDR3_RST	C151 1uF	DDR3_RST

TEST TP28

TEST TP29

TEST TP30

TEST TP31

TEST TP32

TEST TP33

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TEST TP37

TEST TP38

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TEST TP73

TEST TP74

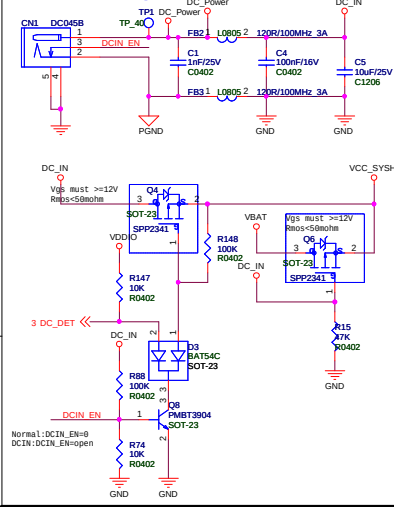
TEST TP75

TEST TP76

TEST TP77

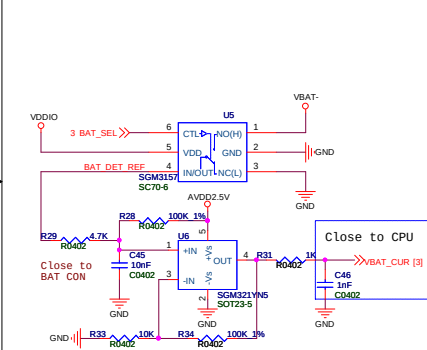
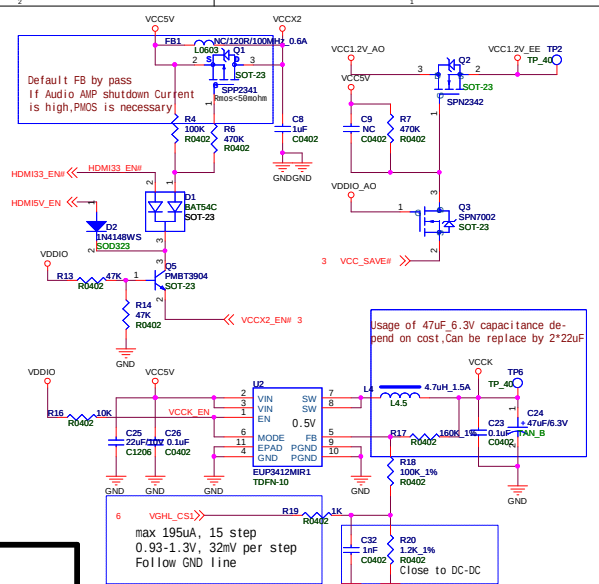
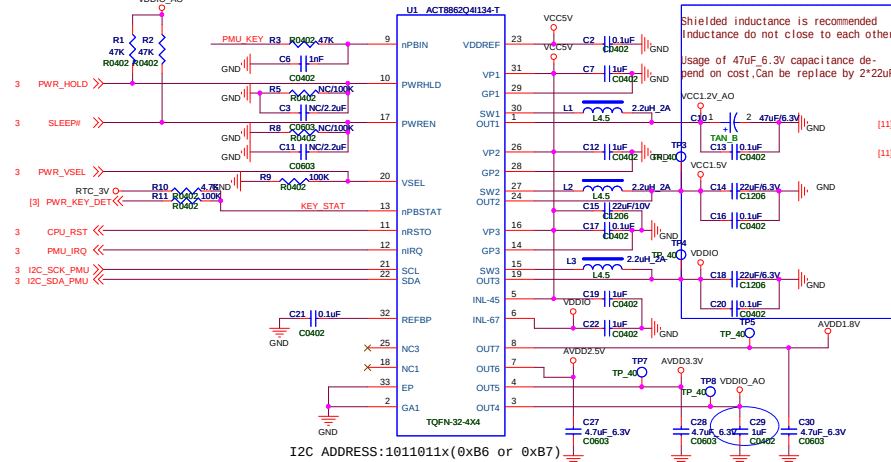
TEST TP78

9.6V/2A Input

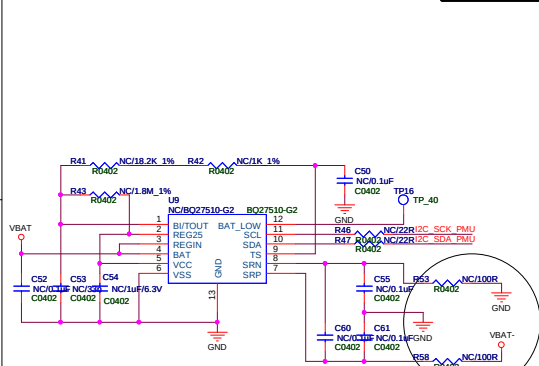


When used ACT8942QJ233-T with linear charger, replace this page with the ACT8942 power page.

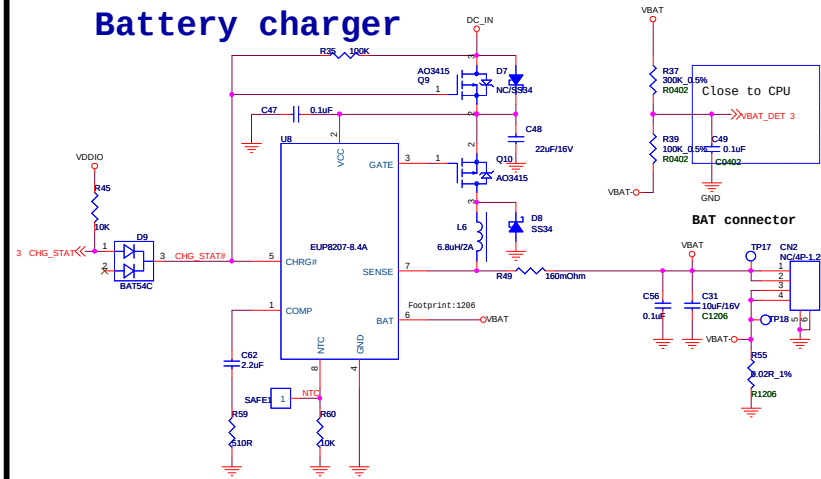
Notes:
PMU change to ACT8962Q4I134-T,
OUT7 is 1.8V instead of 3.3V, old part number not used again



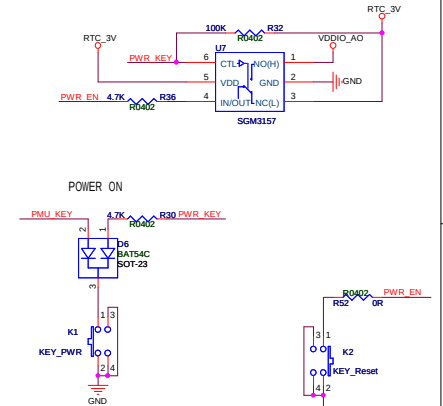
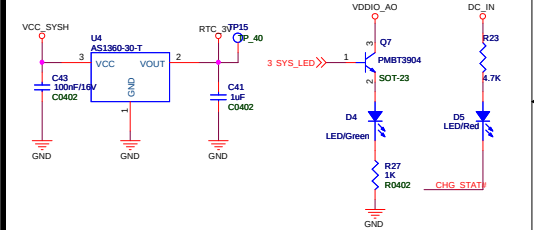
High voltage DC Buck to 5V DC
Heavy duty and light load both
request efficiency Frequency
500K-1MHz is recommended



Battery charger



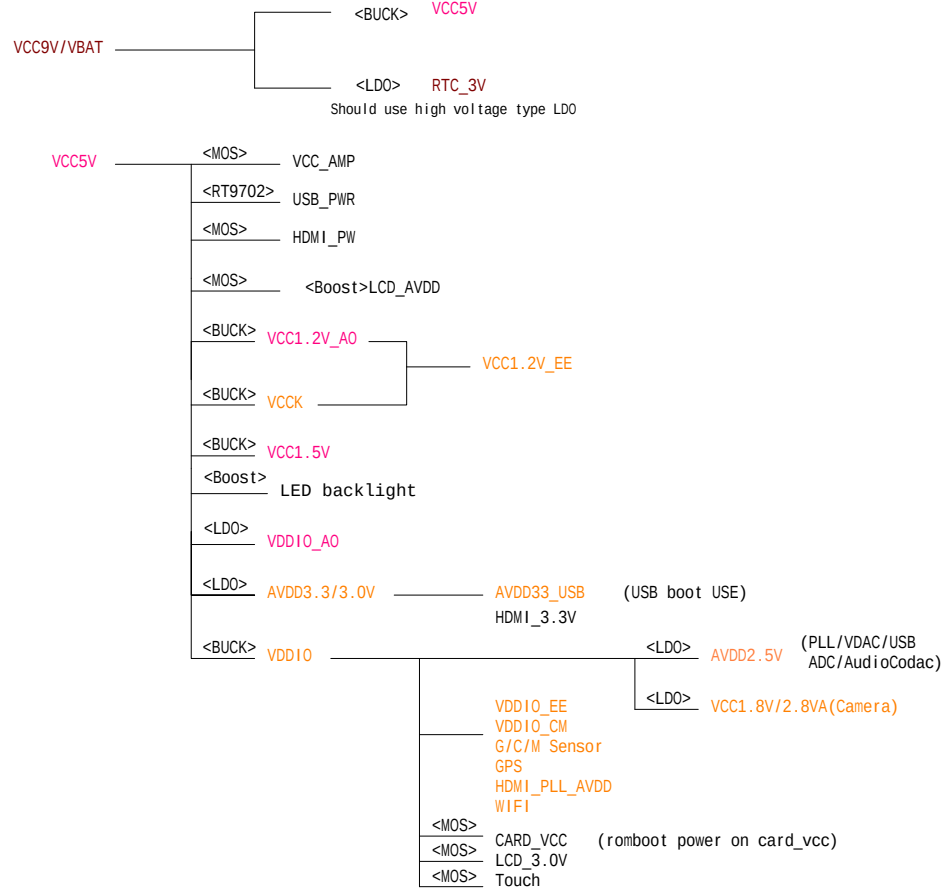
RTC LDO should use Quiescent Current less than 10uA type



Place the voltmeter close to the battery, net VBAT- must be strong enough, may >80mV.



2-CELLS LI BATTERY



When push PWR KEY
PWR_EN must be valid to power on the 5V power supply

