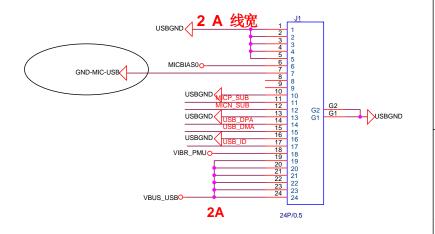
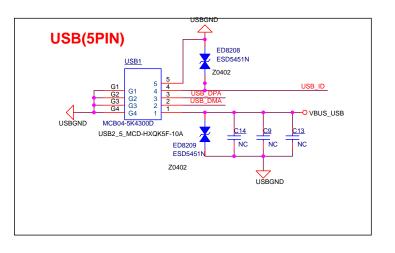


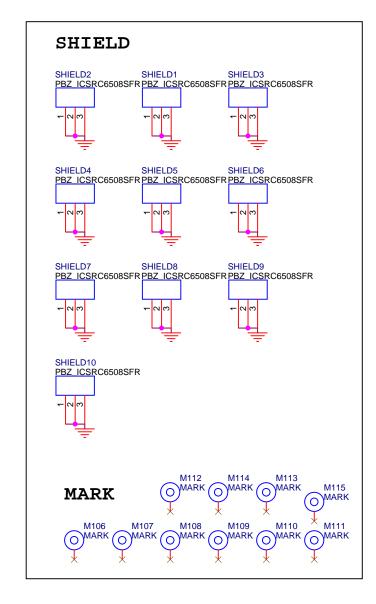
MAIN CONNECTER

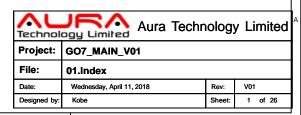




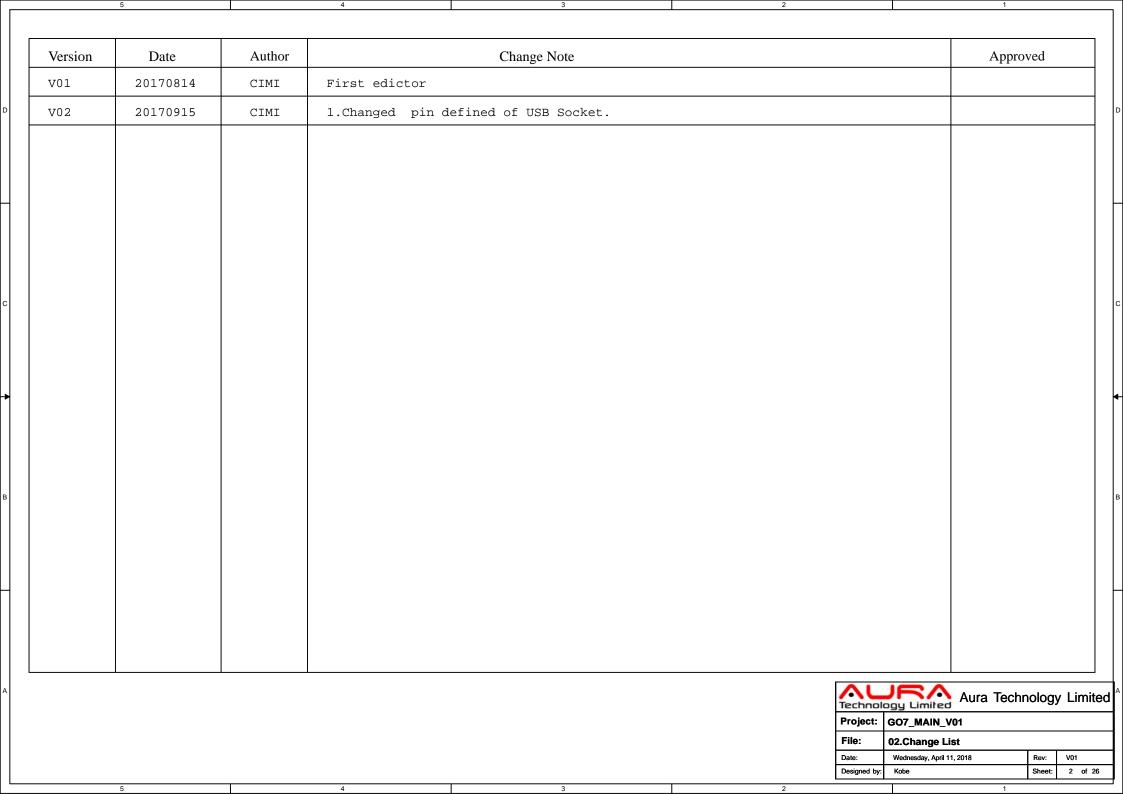
01.Index 02.Change List 03.Block Diagram 04.Power Tree-RC5T620 05.Power Tree-RK808-B 06.Power Tree-RK818-1 10.RK3288 Power 11.RK3288 PMU Controler 12.RK3288 DDR Controler 13.RK3288 Flash Controler 14.RK3288 USB/HSIC Controler 15.RK3288 SARADC/Key Board 16.RK3288 DVP Interface 17.RK3288 Display Interface 18.RK3288 GPIO 20.USB Port 21.Power-RT5C620_1CELL (option) 22.Power-RK808-B_2CELL (option) 23.Power-RK818-1 1CELL (option) 30.RAM-DDR3 4x16bit 32.RAM-DDR3 2x32bit (option) 33.RAM-LPDDR2(168P) (option) 34.RAM-LPDDR2(216P) (option) 35.RAM-LPDDR2(220P) (option) 36.RAM-LPDDR3(178P) (option) 40.Memory-eMMC 41.Memory-Nand FLASH (option) 42.Memory-tSD (option) 45.DVP power and Flash LED 46.Camera-MIPI CSI 47.Camera-CIF (option) 50.LCM-eDP Panel 51.LCM-MIPI Panel (option) 52.LCM-Dual MIPI Panel (option) 53.LCM-LVDS Panel (option) 60.WIFI/BT-AP6210/AP6212/XZ3538 61.WIFI ac/BT-AP6335 (option) 62.WIFI/BT/GPS-AP6476 (option) 65.3G-UNA 66.3G-UNA LITE (option) 70.Audio Codec-ES8323 71.Audio Codec-ALC5631 (option) 72.Audio Codec-ALC5640 (option) 73.Audio Codec-ES8316 (option) 74.Audio Codec-ALC5672 (option) 75.TP COF 76.TP COB-CT363 (option) 77.TP COB-FT5506 (option) 78.TP COB-GSL3680 (option) 80.Sensor/VIB 81.TF Card 82.HDMI Port 84.eFUSE (option)

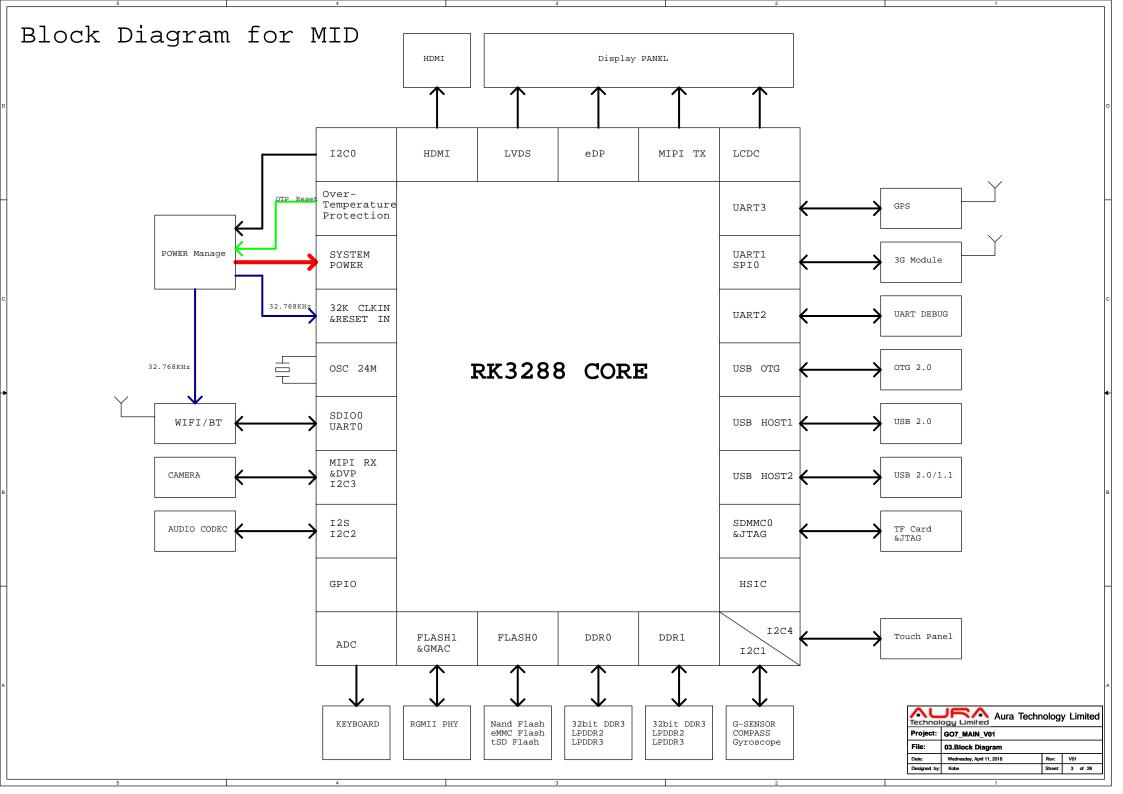
I2C address(7bit): 1.I2C0 Power: **RK808** 0x1b CW2013 0x62 **RK818** 0x1C RT5C620 0x32 **SYR837** 0x40 **SYR838** 0x41 2.I2C1 Sensor: CM3218 0x10.0x0c LSM330TR G:0x6a A:0x1e MMA8452Q 0X1d MPU6500 0x34 LIS3DH 0X19 0X1d LSM303D 3.I2C2 Audio Codec: ALC5640 0x19 ALC5623 0x1a ALC5631 0x1a ES8323 0x10 ES8316 0x10 4.I2C3 Camera: OV2659 0x30 OV8825 0x36 5.I2C4 Touch: CT363 0x1b FT5506 GSL3680 0x40

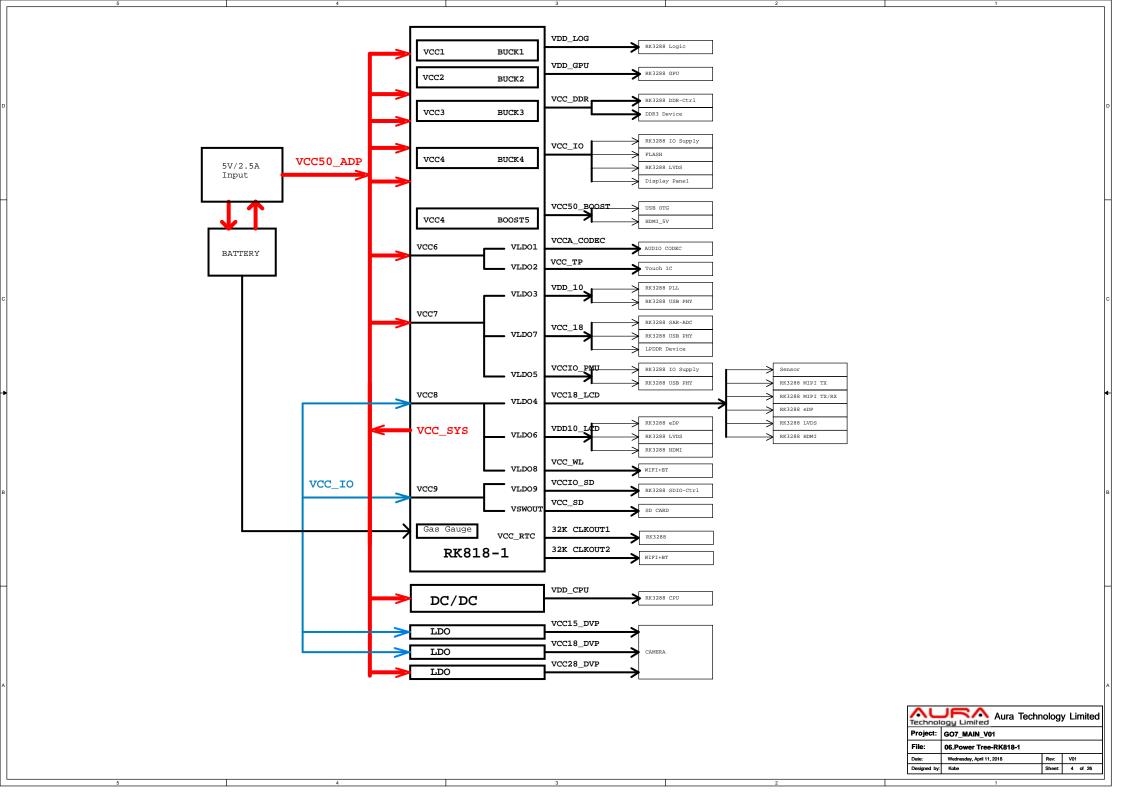


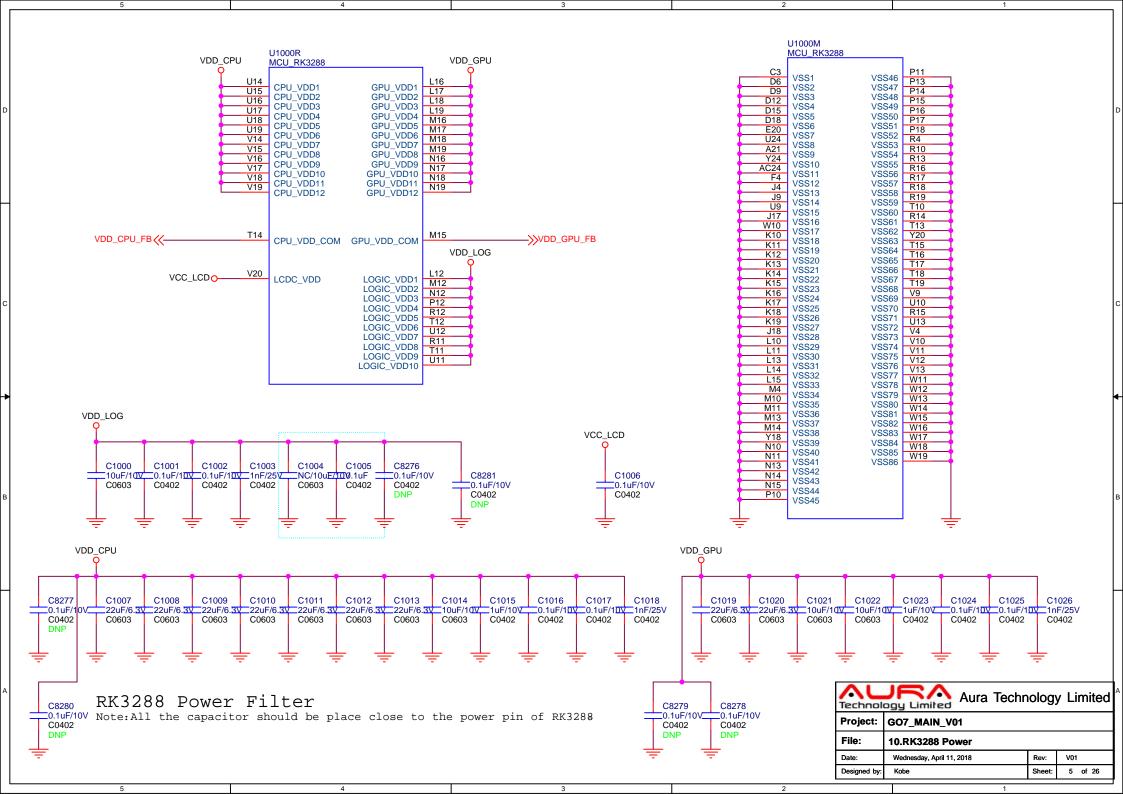


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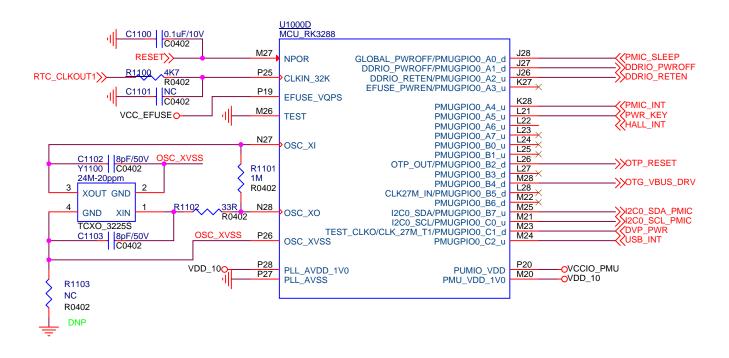


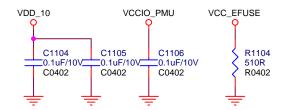








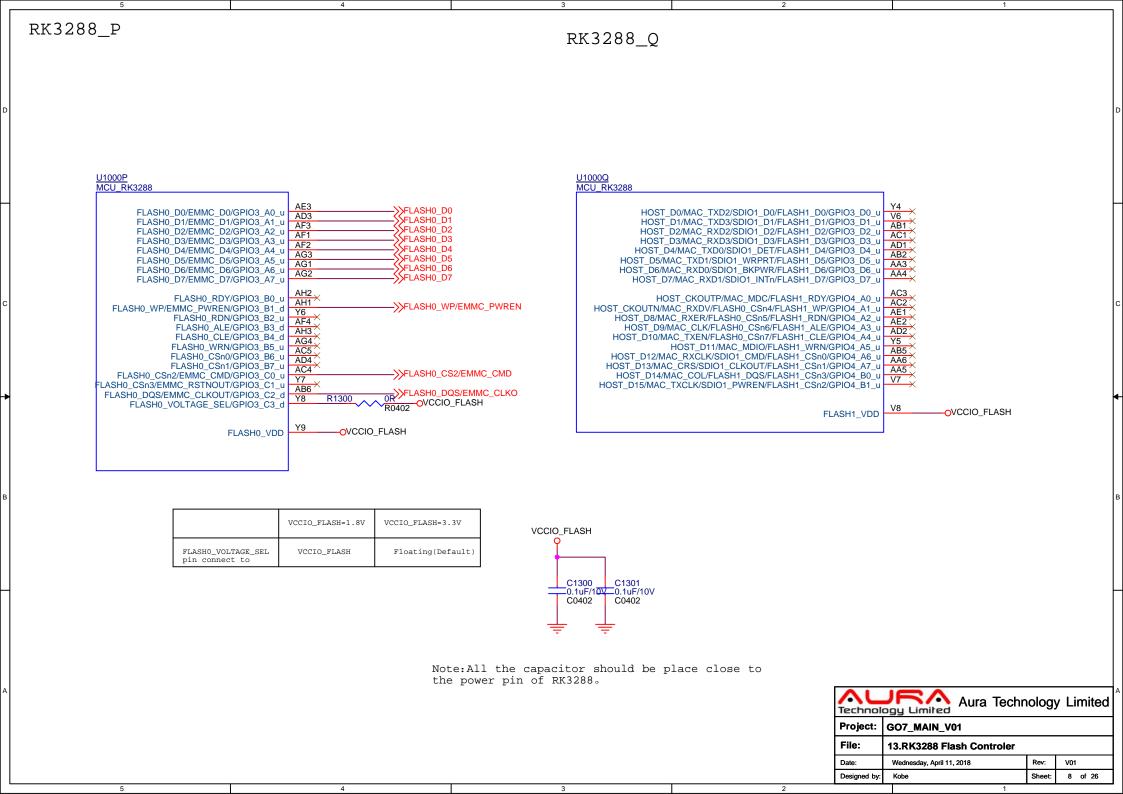




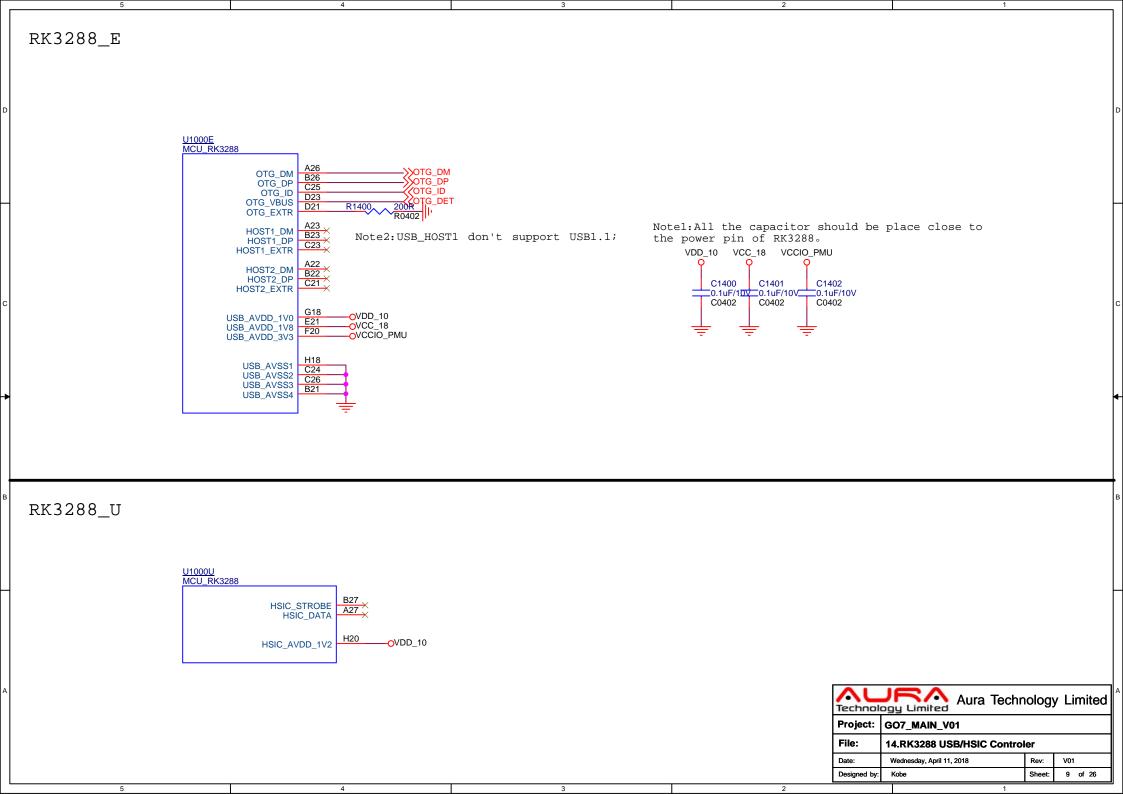
Note:All the capacitor should be place close to the power pin of RK3288 $_{\circ}$

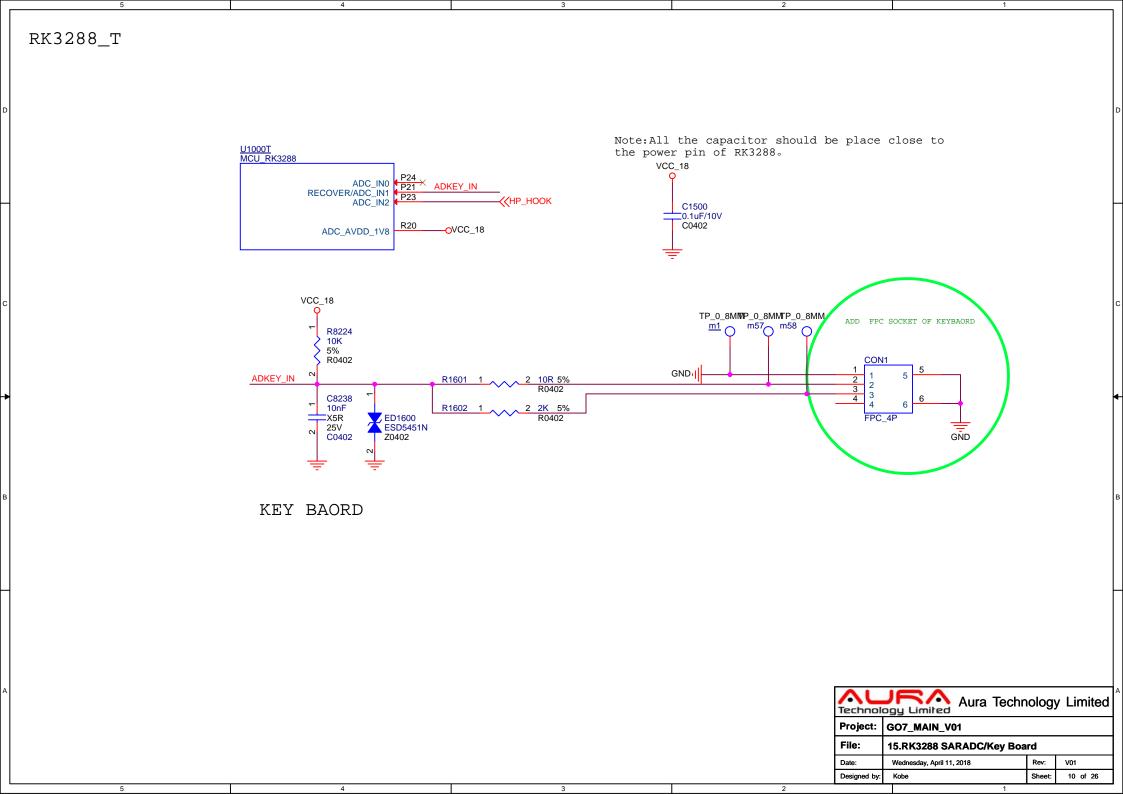
Technol	Technology Limited Aura Technology Limited			
Project:	GO7_MAIN_V01			
File:	11.RK3288 PMU Controler			
Date:	Wednesday, April 11, 2018	Rev:	V01	
Designed by:	Kobe	Sheet:	6 of 26	

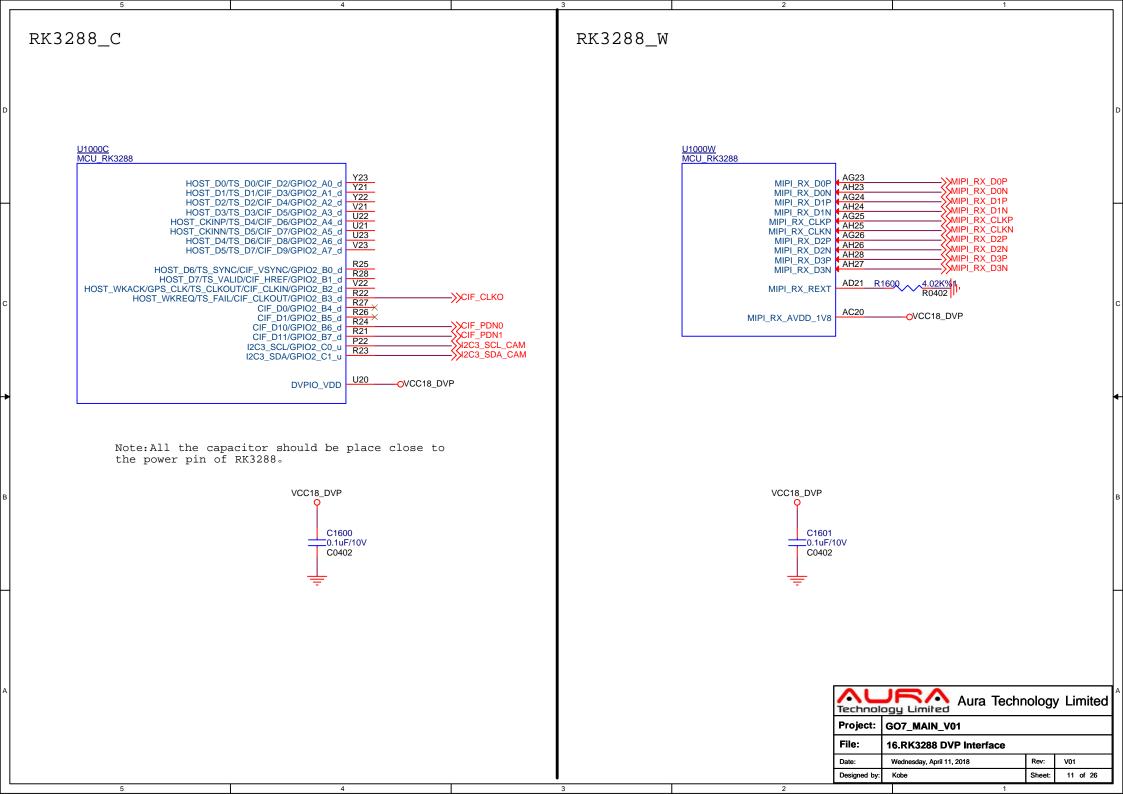
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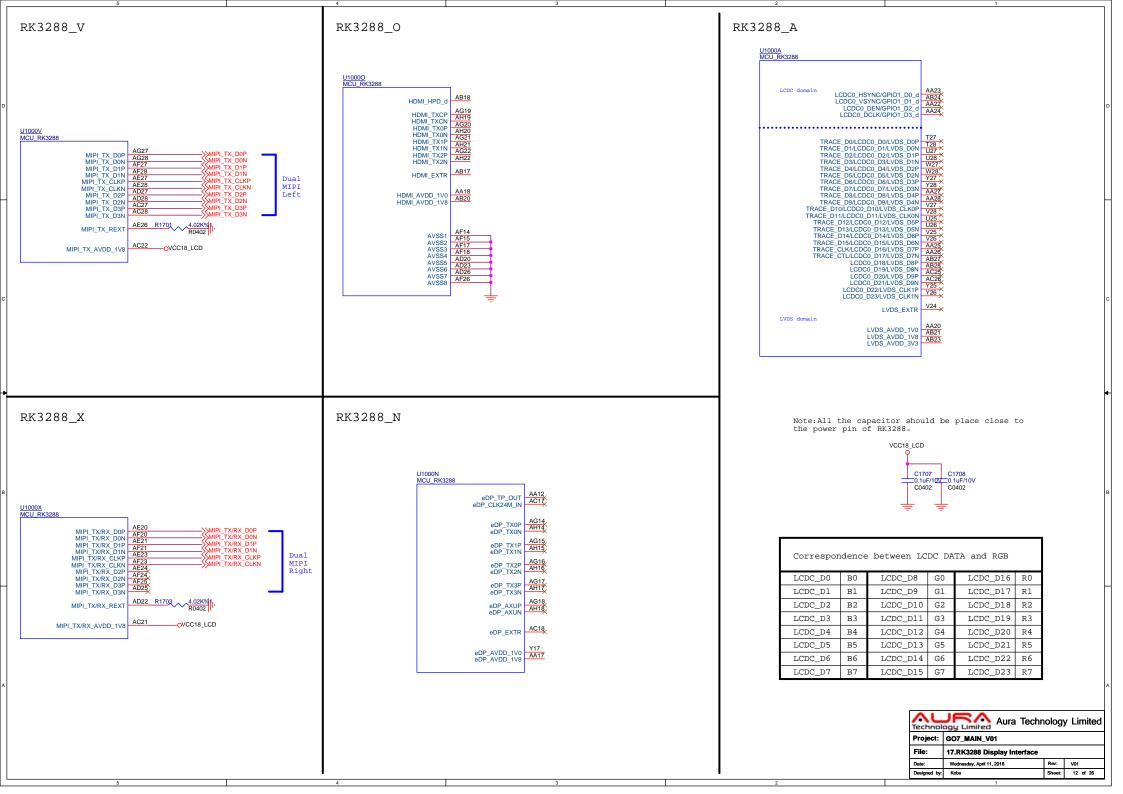


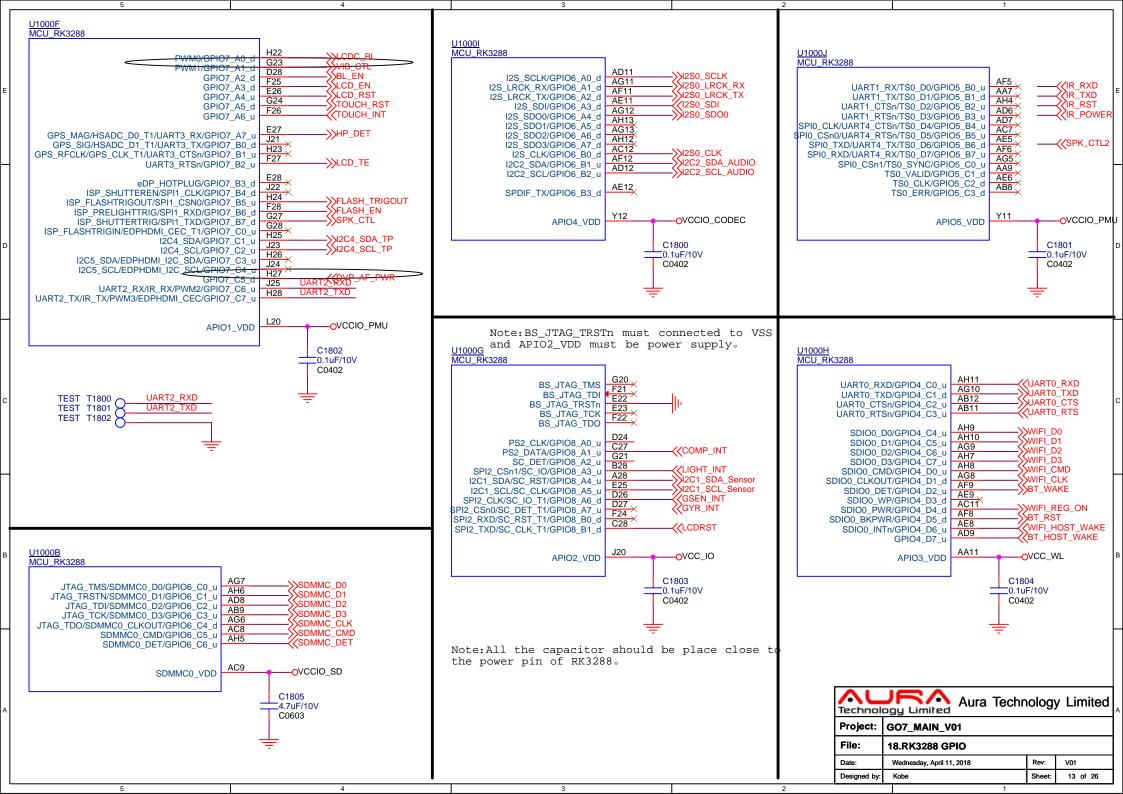
RK3288 DDR Channel-1 RK3288 DDR Channel-0 U1000K U1000L DDR0_D0 <</br> DDR0_D1 <</br> DDR0_D2 <</br> DDR0_DQ0 DDR1_DQ0 DDR1_A0 K2 DDR1_A1 K1 DDR1_A2 M5 DDR1_A0 V3 DDR1_DQ0 Y1 DDR1_DQ1 DDR1_DQ2 DDR1_A0 DDR1_A1 DDR1_A2 DDR1_A3 DDR0_A1 DDR1 DDR0_DQ1 DDR0_DQ2 DDR0_A2 DDR1 D2 DDR0_A2 DDR1_A3 M6 DDR1_A4 M2 DDR0 D3 DDR0_DQ3 DDR0_DQ4 DDR0_A3 DDR1 D3 W1 DDR1_DQ3 A19 E18 DDR1_A3 DDR1_A5 DDR1_A6 DDR0 A4 V5 DDR1_DQ6 V3 DDR1_DQ6 DDR1_A4 DDR1_A5 DDR1_A6 DDR1_A7 DDR1_A8 DDR1_A9 DDR1_A9 DDR0_D5 DDR0_DQ5 DDR0_A5 NDDR0 A5 DDR1 D DDR0_DQ6 DDR0_A6 DDR0_A7 B13 SDDR1 A7 DDR0 D7 DDR0_DQ7 NORO A7 DDR1 D7 E2 DDR1_DQ7 DDR1_DQ8 DDR1_DQ9 C1 DDR1_DQ9 DDR1_DQ7 DDR0 DO8 DDR0_A8 A14 DDR0_A9 A13 DDR0_D9 DDR0_DQ9 DDR0_A9 DDR1 D9 -SDDR1_A9 DDR0_A19 DDR0_A10 DDR0_A11 DDR0_A12 DDR0_A12 DDR0_A14 DDR0_A14 DDR0_A14 DDR1_A10 P4 F3 DDR1_DQ10 DDR0 DO10 C6 E8 A6 B6 DDR1_A10 P4 DDR1_A11 P6 DDR1_A12 P3 DDR1_A13 P2 DDR0_D11 DDR0_DQ11 DDR1 D1 H5 DDR1_DQ11 H4 DDR1_DQ12 J5 DDR1_DQ13 DDR1_DQ14 DDR0_D12 DDR0_DQ12 DDR0_DQ13 DDR0_D13 DDR0_D14 DDR1 D13 DDR1 D14 DDR0 DO14 DDR0_A15 C15 DDR0_A14 J6 DDR1_DQ14 T2 DDR1_DQ15 R6 DDR1_DQ16 T1 DDR1_DQ17 DDR1 A14 F8 B15 DDR0_D15 DDR0 DQ15 DDR1_A15 DDR0_DQ16 DDR0_DQ17 DDR1 D16 DDR0_CLK B11 DDR0_CLK —>>DDR1_CLK —>>DDR1_CLKN ->>DDR0_CLK ->>DDR0_CLKN DDR1_CLK T1 DDR1_DQ17 R5 DDR1_DQ18 U4 DDR1_DQ19 V1 DDR1_DQ20 DDR0 D18 DDR0_DQ18 **DDR1 D18** DDR0_D19 DDR0_DQ19 DDR0_DQ20 DDR0 DO19 DDR0_BA0 D8 DDR1_D20 DDR1_BA0 V1 DDR1_DQ20 U3 DDR1_DQ21 V2 DDR1_DQ22 B1 DDR1_DQ23 B2 DDR1_DQ24 B2 DDR1_DQ25 DDR0_BA1 DDR0_BA2 DDR1_BA1 DDR1_BA2 L5 DDR0 DO21 C17 DDR0 D22 DDR0_DQ22 DDR1_D22 DDR0_DQ23 DDR0_DQ24 DDR0_D24 < DDR0_D25 < DDR0_ODT0 E15 ->>DDR0 ODT0 DDR1 D24 ->>DDR1_ODT0 DDR1_ODT0 DDR0 DQ25 D5 E6 C5 E4 DDR0_D26 DDR0_D27 DDR0 DQ26 DDR0_CSn0 B8 F11 DDR1 DQ26 >>DDR0_CS0N ->>DDR0_CS1N DDR1 D27 ->>DDR1_CS0N ->>DDR1_CS1N DDR0_DQ27 DDR0_DQ28 DDR1_DQ27 DDR1_DQ28 DDR1_CSn0 DDR1_CSn1 DDR0_D28 DDR0_D29 DDR1_D28 DDR1_D29 F5 E7 DDR0_DQ3u DDR0_DQ31 C2 DDR1_DQ30 DDR1_DQ31 DDR0_CKE0 ->>DDR1_CKE0 ->>DDR1_CKE1 DDR0 CKE0 DDR1 CKE0 DDR0_D31 << AA2 AA1 DDR1_DQS0 DDR1_DQS0 DDR1_DQS1 DDR1_DQS1 U2 DDR1_DQS1 DDR1_DQS1 DDR1_DQS2 DDR1_DQS2 DDR1_DQS3 DDR1_DQS3 DDR1_DQS3 DDR1_DQS3 DDR0_RASn DDR0_CASn DDR0_CASn B9 DDR0 DQS0P & DDR0_DQS0 DDR1_DQS0P & DDR0 DQS0M DDR1 CASn DDR0_DOS1P DDR0_WEn DDR1_DOS1P DDR1_WEn DDR0_DQS1M DDR1_DQS1M DDR0_RESET E9 F2 DDR1_RESET DDR0_DQS2M DDR1_DQS2M DDR0_DQS2n DDR0_DQS3 H12 M8 DDR1_DQS3P OVREF_DDR1 DDR0_DOS3P DDR0_VREF DDR0_VREFAO OVREF_DDR0 DDR1_VREF A4 DDR0_DQS3M L8 -OVREFAO DDR0 DDR0_DQS3n DDR1_VREFAO NC1 NC2 NC3 NC3 U5 DDR1_DM0 DDR1_DM1 P7 R7 × L7 × DDR0 DM0 / NC4 NC5 DDR0_DM0 DDR0_DM1 DDR1_DM1 < DDR0 DM1 A15 DDR0_DM2 NC3 DDR1_DM2 NC6 DDR0_DM3 DDR1_DM3 H9 H7 DDR1_RETLE DDR1_ATO DDR1_DTO OVCC DDRC OVCC DDRC DDR0_RETLE DDR0_VDD1 DDR0_VDD2 DDR0_VDD3 DDR0_VDD4 DDR0_VDD1 DDR1_RETLE DDR1_VDD1 L9 DDR1_VDD3 P9 DDR1_VDD4 R9 DDR1_VDD1 DDR0 RETLE G12 DDR0_RETLI DDR0_ATO DDR0_DTO1 DDR0_DTO1 DDR0_DTO0 DDR0_VDD4 DDR0_VDD5 H14 DDR1_VDD5 P8 __OVCC_DDR OVCC DDR DDR0 PZQ DDR0 VDDAO DDR1 PZQ DDR1 VDDAO R1201 R0402 MCU RK3288 MCU RK3288 240R%1 240R%1 R1200 R0402 R1204 120K R0402 DDRIO_RETEN R1205 120K DDR1_RETLE DDR0 DDRIO_RETE | R1207 120K R0402 R1206 120K VCC_DDRC VCC_DDR VCC_DDRC VREF_DDR0 VCC_DDRC VCC_DDR VCC_DDRC VREF_DDR1 R1208 1K%1 R0402 R1209 1K%1 R0402 C8273 C1203 R1210 C1204 C8274 R1211 C1209 11/0/1 1K%1 C0603 C0402 C0603 C0402 C0402 R0402 C0402 C0402 C0402 C0402 C0402 C0402 C0402 C0402 C0402 R0402 C0402 C0402 C0402 VCC_DDR VCC DDR C1210 | 0.1uF | C0402 C1211 | 0.1uF | C0402 | R1213 | 10K%1 | R0402 VREFAO_DDR0 VREFAO_DDR1 R1212 10K%1 C1212 C1213 C1214 Aura Technology Limited 10K%1 10K%1 C0402 C0402 Technology Limited Project: GO7 MAIN V01 RK3288 K File: 12.RK3288 DDR Controler RK3288 L Designed by: Kobe Sheet: 8 of 26

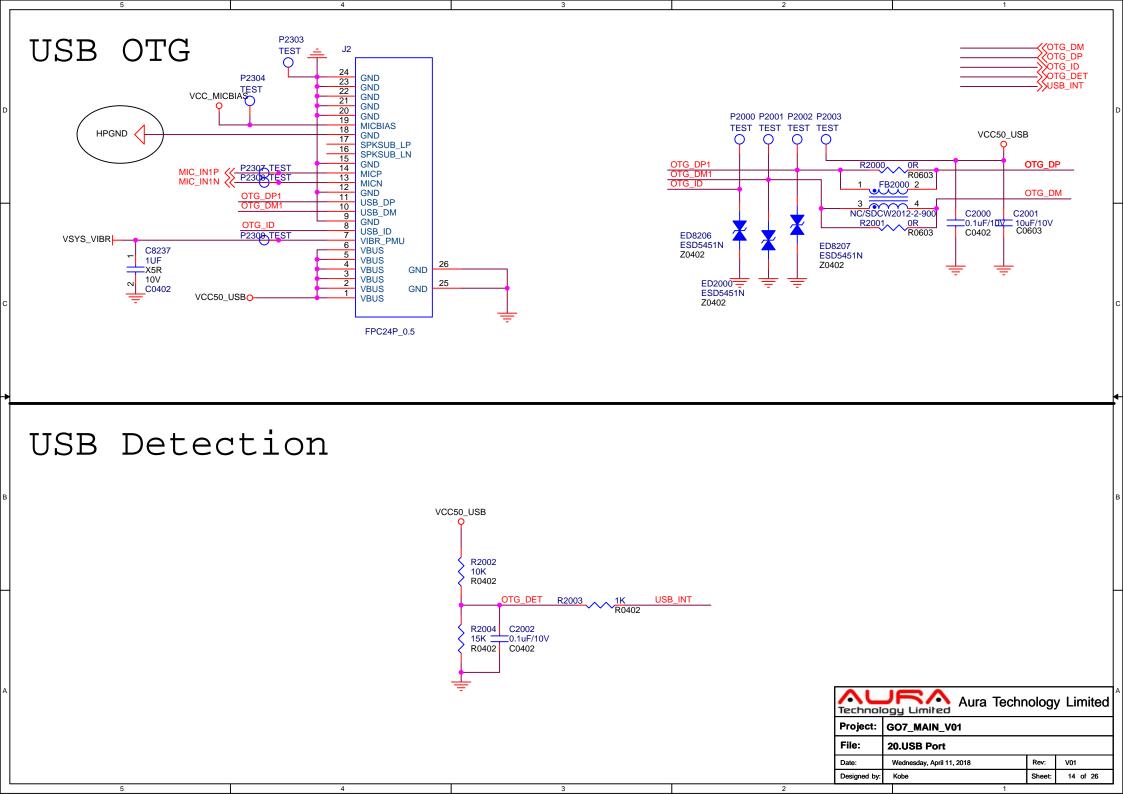


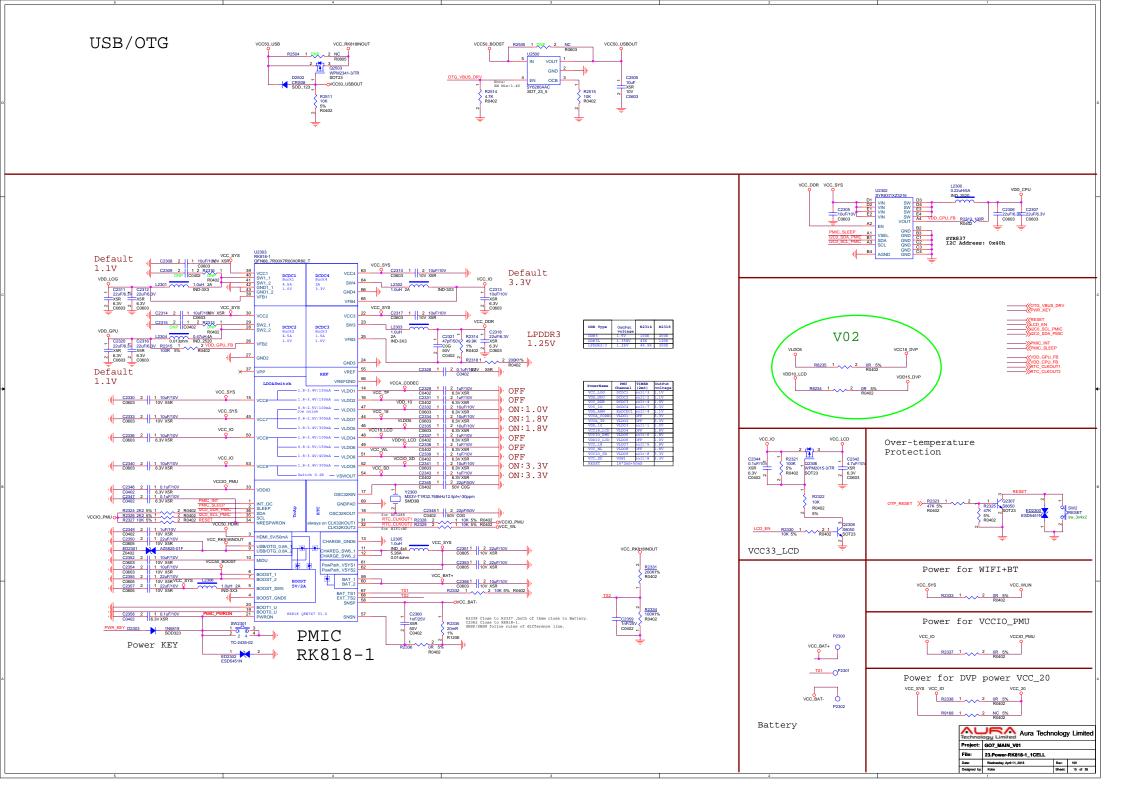


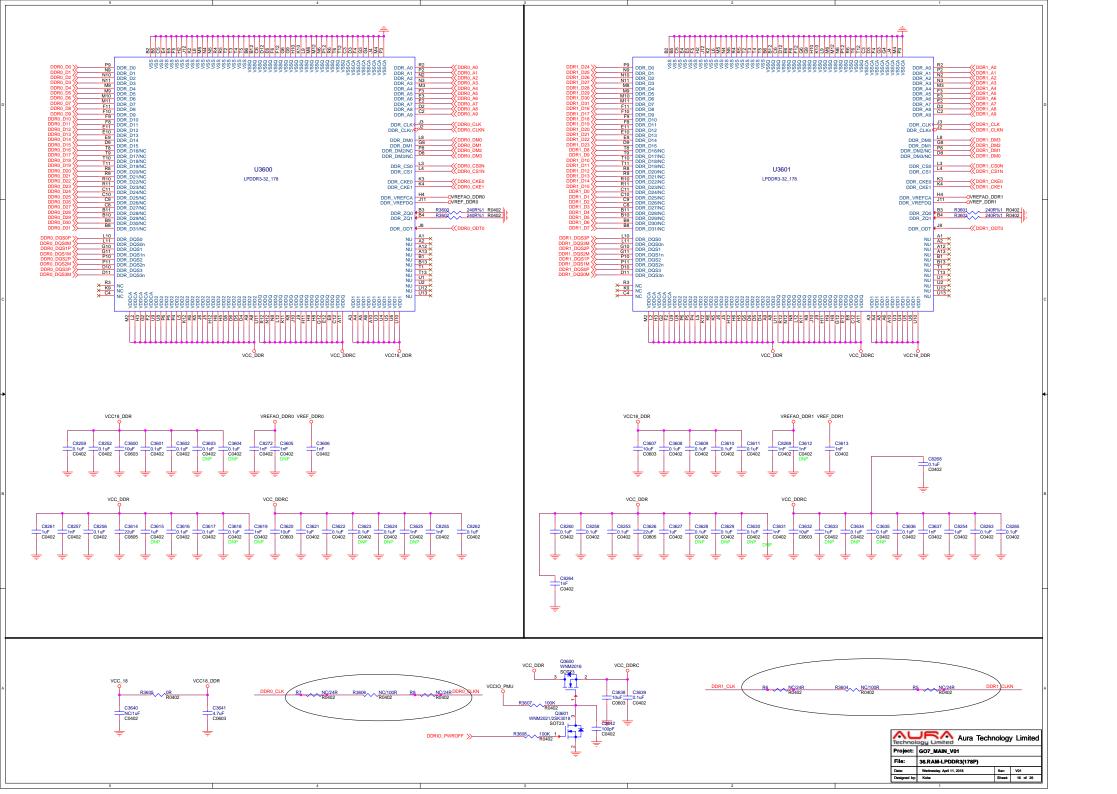


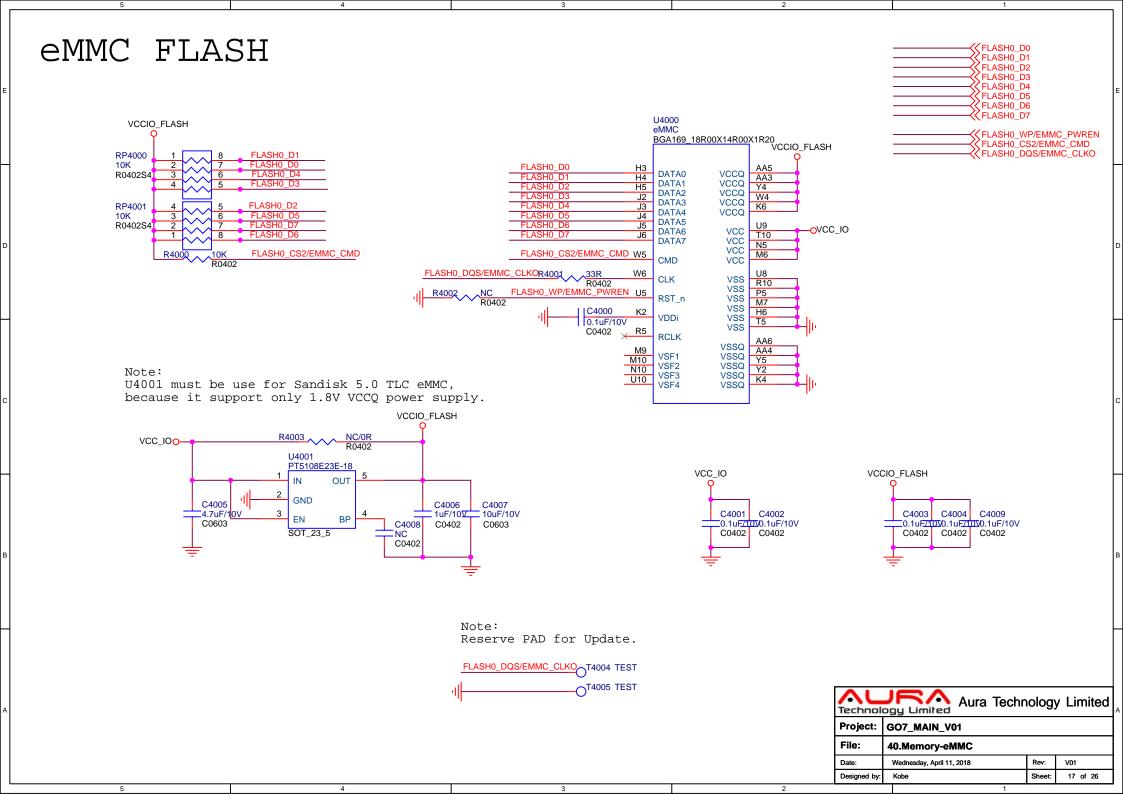






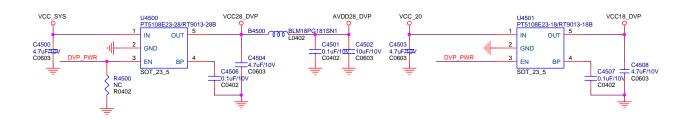


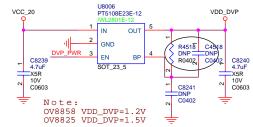




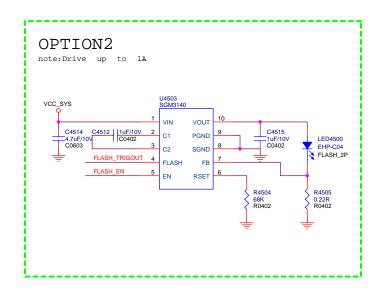


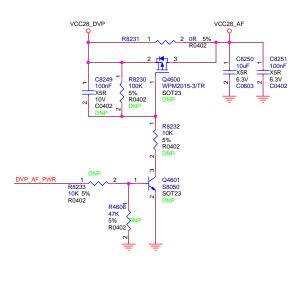


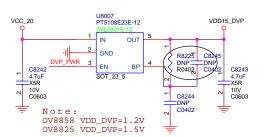




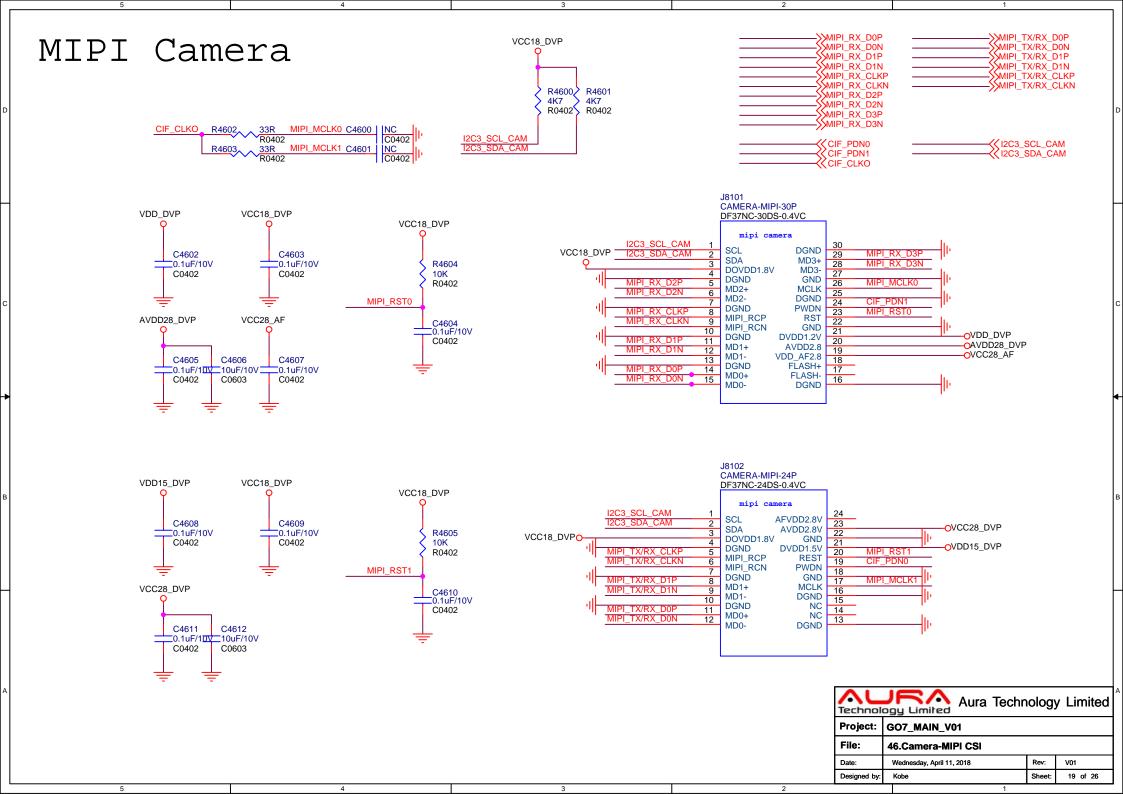
FLASH LED Drive

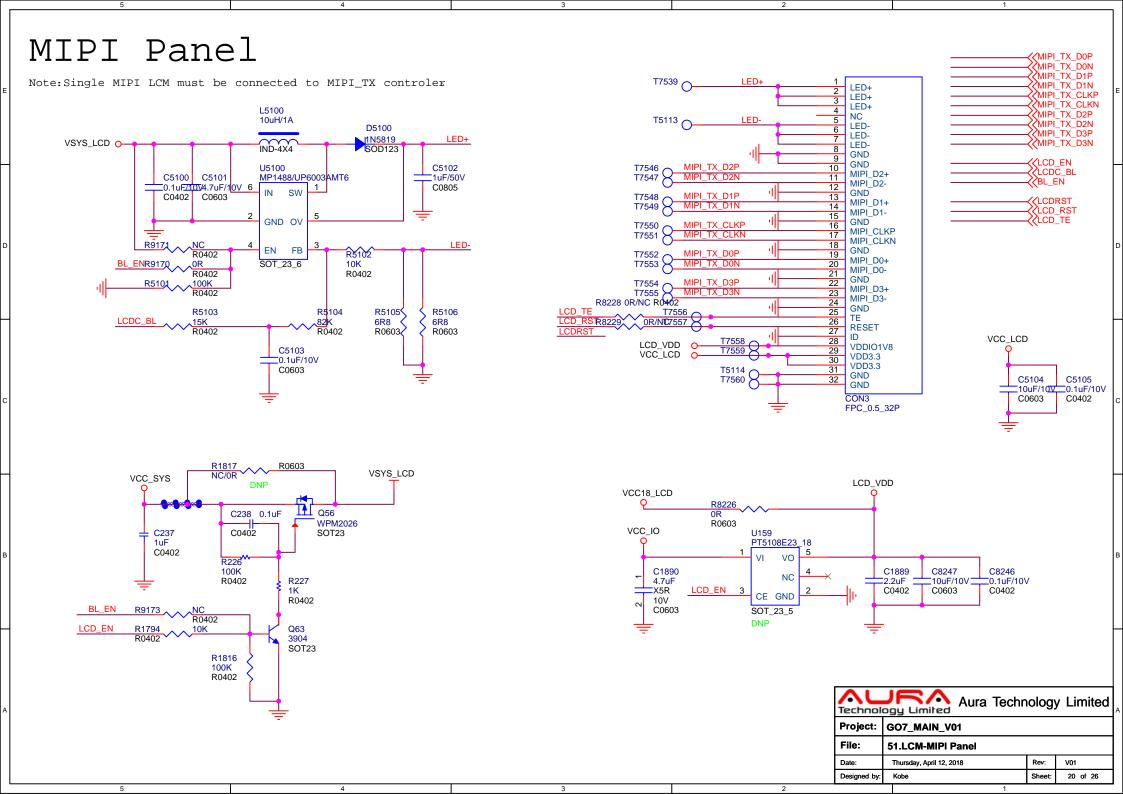






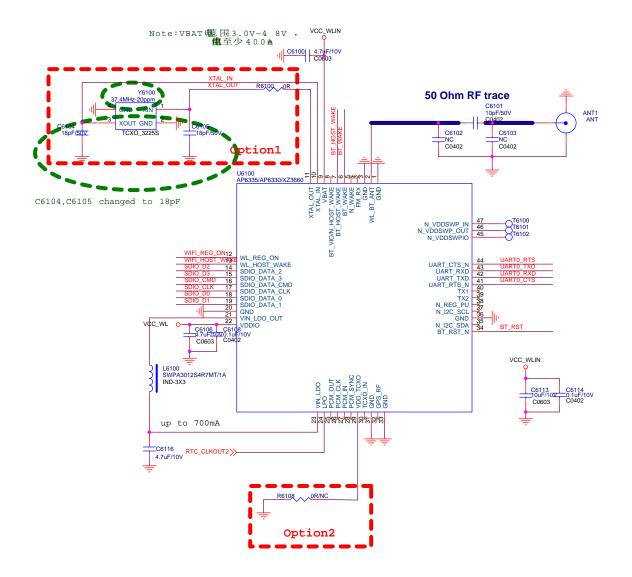
Project: GO7_MAIN_V01
File: 45.DVP power and Flash LED
Date: Wednesdey, April 11, 2018 Rev: V01
Designed by: Kobe Sheet: 18 of 26



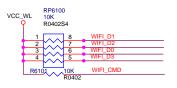


WIFI/WIFI ac/BT MODULE

	Option1	Option2	Y6100	Default:AP6335
AP6335	YES	YES	37.4MHz	Note:
AP6330	YES	NO	26MHz	YES:相构数
XZ3660	YES	NO	26MHz	NO: 框内不贴
AP6255	YES	YES	37.4MHz	

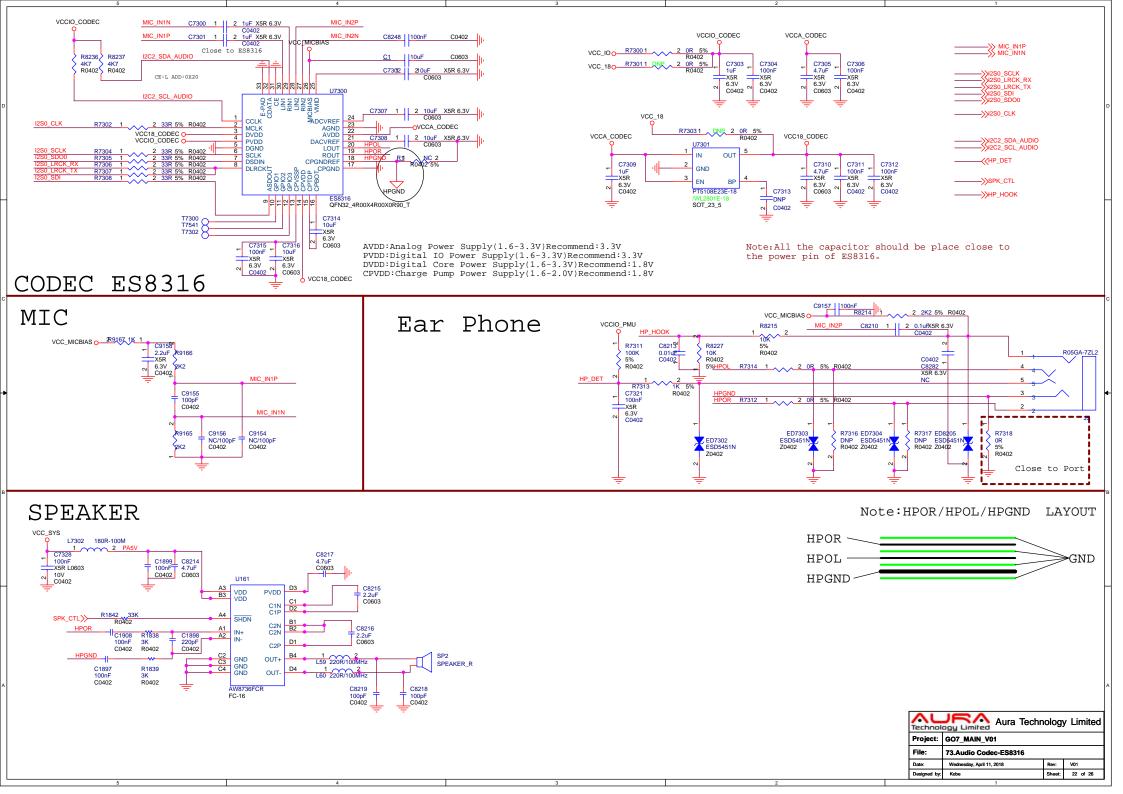


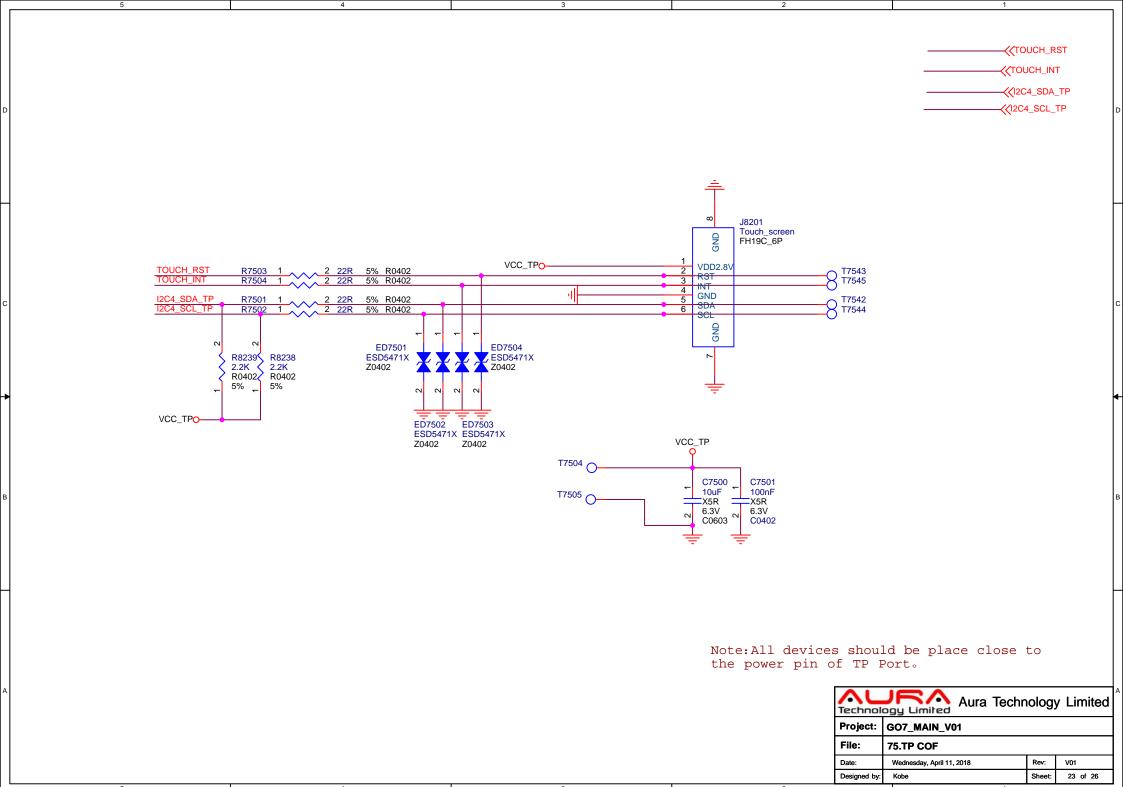


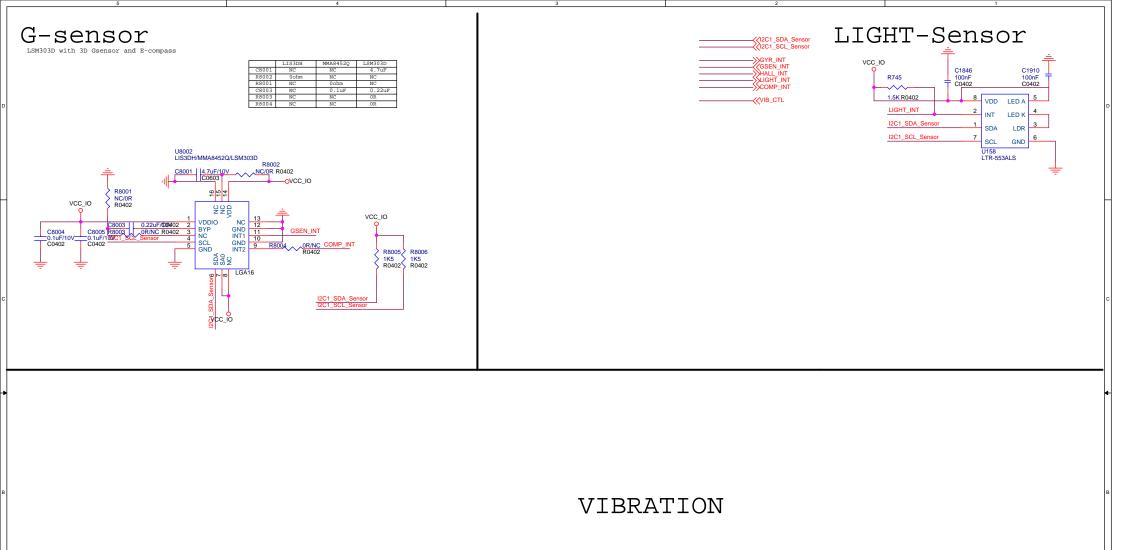


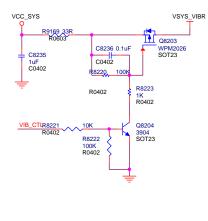
лL	C6107	33pF/50V	SDIO_D0	R6102	33R R0402	WIFI_D0
111	C6109	C0402 33pF/50V	SDIO_D1	R6103	33R R0402	WIFI_D1
	C6110	C0402 33pF/50V	SDIO_D2	R6104	33R R0402	WIFI_D2
	C6111	C0402 33pF/50V	SDIO_D3	R6105	33R R0402	WIFI_D3
	C6112	C0402 33pF/50V	SDIO_CMD	R6106	33R R0402	WIFI_CMD
	C6115	C0402 33pF/50V	SDIO_CLK	V V	33R R0402	WIFI_CLK
		C0402				

Aura Technology Limited			
Project:	GO7_MAIN_V01		
File:	61.WIFI ac/BT-AP6255		
Date:	Wednesday, April 11, 2018	Rev:	V01
Designed by	V-L-	Chara.	24 -4 20

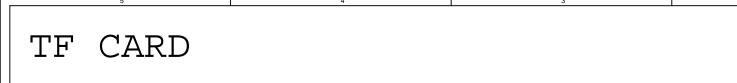


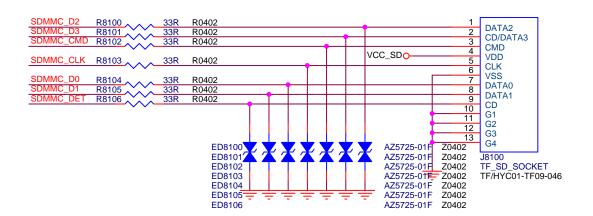


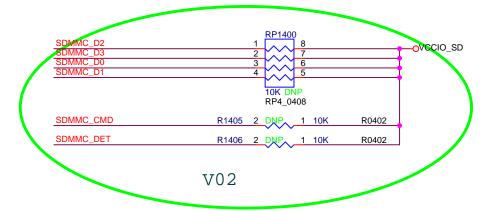


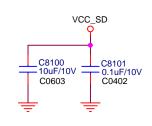


Technology Limited				
Project:	GO7_MAIN_V01			
File:	80.Sensor/VIB			
Date:	Wednesday, April 11, 2018	Rev:	V01	
Designed by:	Kohe	Sheet:	24 of 26	









Technology Limited Aura Technology Limited				
Project:	GO7_MAIN_V01			
File:	81.TF Card			
Date:	Wednesday, April 11, 2018	Rev:	V01	
Designed by:	Kobe	Sheet:	25 of 26	

SDMMC_D0 SDMMC_D1 SDMMC_D2

SDMMC_D3

SDMMC_CLK SDMMC_DET

SDMMC_CMD

4 3 2