Modify note

Date	Author	Change Note	Approved
20160713	hwq	First edictor	



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Title: Modify note File: Firefly-RK3399

REV: 1.0

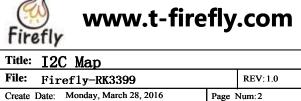
Modify Date: Tuesday, January 03, 2017

Page Total: 30

Create Date: Monday, March 28, 2016 Page Num:1

RK3399 I2C MAP

Port	Pin name	Domain	Bus name	Pull-up voltage	Slave Device	Slave Addr (MS 7Bits)	Note	Slave Bus Capability
1200	GPIO1_B7/SPI3_RXD/I2C0_SDA	PMUIO2 VCC3V0_IO	I2CO_SDA_PMIC I2CO_SCL_PMIC	VCC3V0	TT8563	0xA2,0XA3	RTC	
	GPIO1_CO/SPI3_TXD/I2CO_SCL				Rockchip RK808	0x1b	PMIC	
			I2C1_SDA_PCIE I2C1_SDA_PCIE	VCCA1V8_CODEC				
			I2C1_SDA_AUDIO I2C1_SCL_AUDIO	VCCA1V8_CODEC	ALC5640	0x38h	Audio codec	
I2C1	GPIO4_A1/I2C1_SDA GPIO4_A2/I2C1_SCL	APIO5 VCC1V8_IO	I2C1_SDA_CAM I2C1 SCL CAM	VCCA1V8_CODEC VCCA1V8_CODEC	Omnivision OV13850 S5K4ECGX	0x6c0,0x6D 0x78	MIPI Camera DVP Camera	
			Other pin function	VCCA1V8_CODEC		OX70		
12C2	GPIO2_A0/VOP_D0/CIF_D0/I2C2_SDA GPIO2_A1/VOP_D1/CIF_D1/I2C2_SCL	APIO2 VCC1V8_IO	Other pin function	VCC1V8_DVP				
I2C3	GPIO4_C0/12C3_SDA/UART2B_RX GPIO4_C1/12C3_SCL/UART2B_TX	APIO4 VCC3V0_IO	I2C3_SDA_HDMI I2C3_SCL_HDMI	VCC_3V0				
		PMUIO2 VCC3V0_IO	I2C4_SDA_TYPEC I2C4_SCL_TYPEC	VCC_3V0	Fairchild FUSB302B	0x44,0x46	USB-TypeC Mux	100kHz,400KHz,1MHz fast mode+
	GPIO1_B3/I2C4_SDA GPIO1_B4/I2C4_SCL		I2C4_SDA_TP I2C4_SCL_TP	VCC_3V0	Silead GSL3680	0x40	Touch panel	
			AT18_SDA AT18_SCL	VCC_3V0	AT18		Encryption	
			Other pin function	VCC_3V0				
I2C5	GPIO3_B2/MAC_RXER/I2C5_SDA GPIO3_B3/MAC_CLK/I2C5_SCL	APIO1 VCC3V3_LAN	Other pin function	VCC3V3_S3				
12C6	GPIO2_B1/SPI2_RXD/CIF_HREF/I2C6_SDA GPIO2_B2/SPI2_TXD/CIF_CLKIN/I2C6_SCL	APIO2 VCC1V8_IO	Other pin function	VCC1V8_DVP				
1207	GPIO2_A7/VOP_D7/CIF_D7/I2C7_SDA GPIO2_B0/VOP_CLK/CIF_VSYNC/I2C7_SCL	APIO2 VCC1V8_IO	Other pin function					
12C8	GPIO1_C4/I2C8_SDA GPIO1_C5/I2C8_SCL	PMUIO2 VCC3V0_IO	Other pin function					



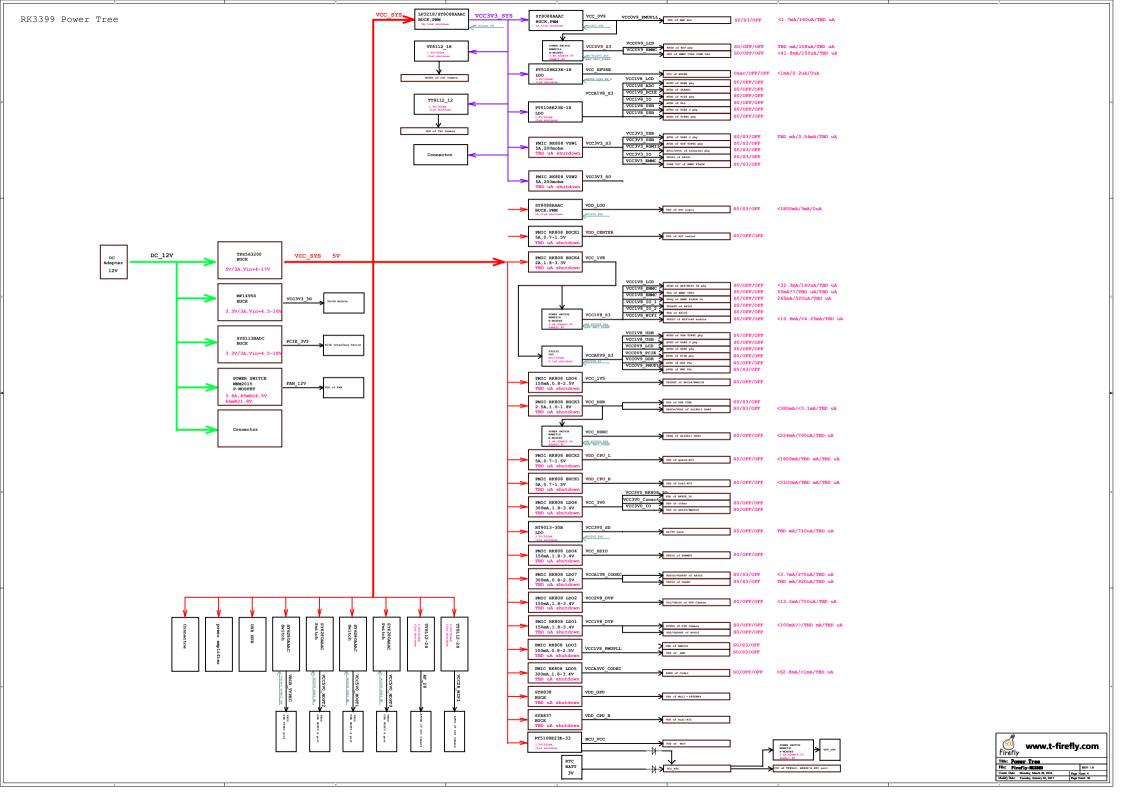
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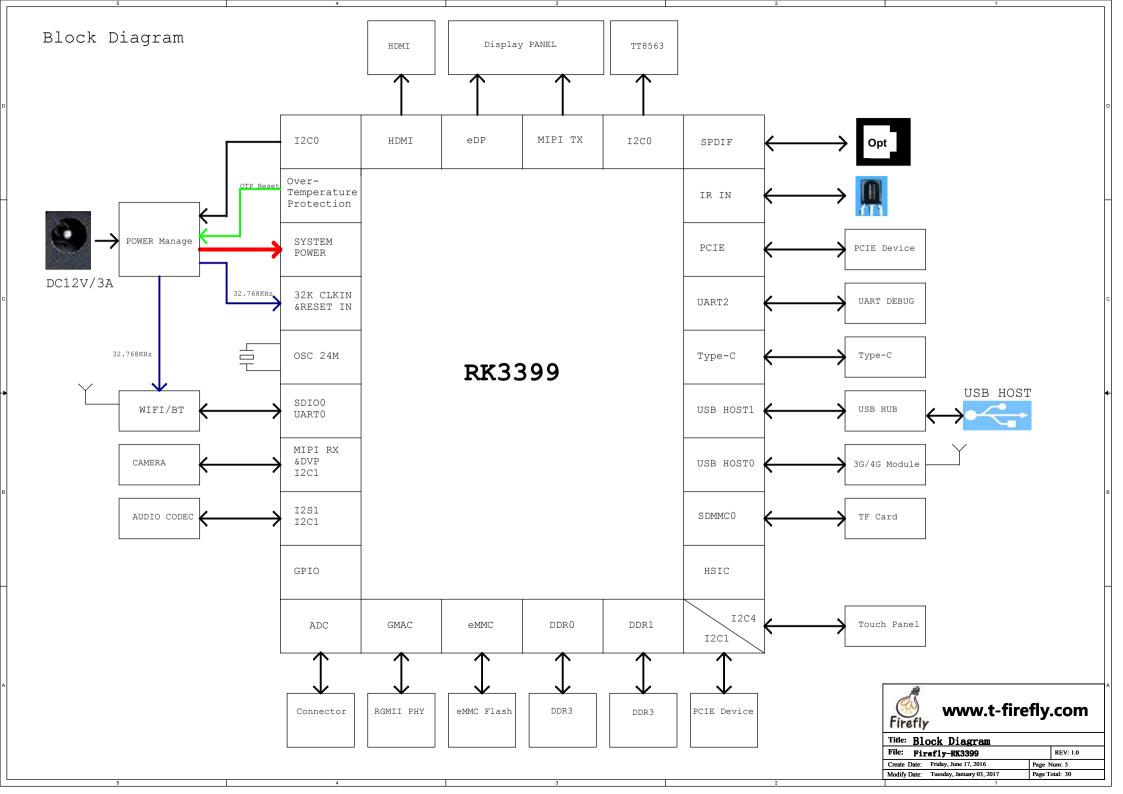
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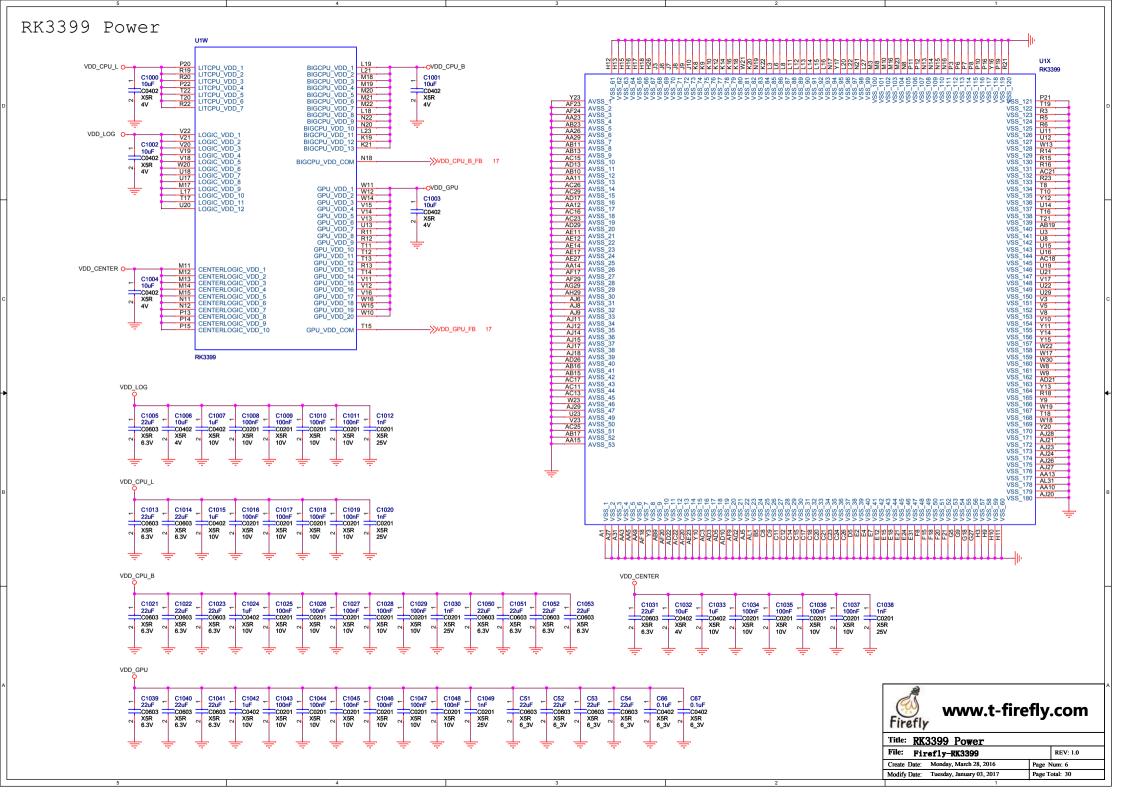
RK3399 Power Domain Map

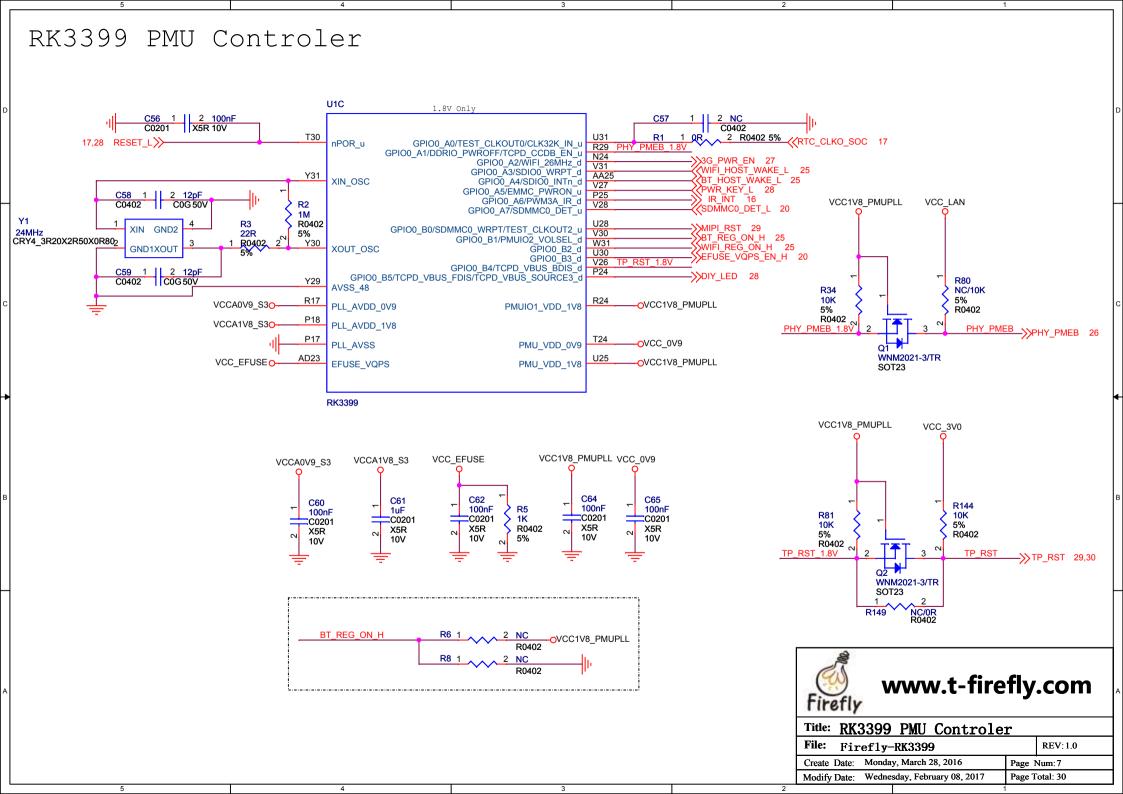
Part Port	Domain	Pin name in datasheet	I/O type	Power supply	Power source
Part C	PMUIO1	pmuio1_gpio0ab	1.8V only	VCC1V8_PMUPLL	RK808 VLDO3
Part E	PMUIO2	pmu1830_gpio1abcd	1.8V(Default) 3.0V	vcc_1v5 vcc_3v0	RK808 VLDO6 RK808 VLDO8
Part I	APIO1	gmac_gpio3abc	3.3V only	VCC3V3_S3	RK808 VSW1
Part L	APIO2	bt656_gpio2ab	1.8V(Default) 3.0V	VCC1V8_DVP	RK808 VLDO1
Part G	APIO3	wifi/bt_gpio2cd	1.8V only	VCC1V8_S3	RK808 Buck4
Part K	APIO4	gpio1830_gpio4cd	1.8V 3.0V(Default)	VCC_1V5 VCC3V0_IO	RK808 VLDO6
Part J	APIO5	audio_gpio3d_gpio4a	1.8V(Default) 3.0V	VCCA1V8_CODEC	RK808 VLDO7
Part F	SDMMC0	sdmmc_gpio4b	1.8V 3.0V(Default)	VCC_SDIO	RK808 VLDO4

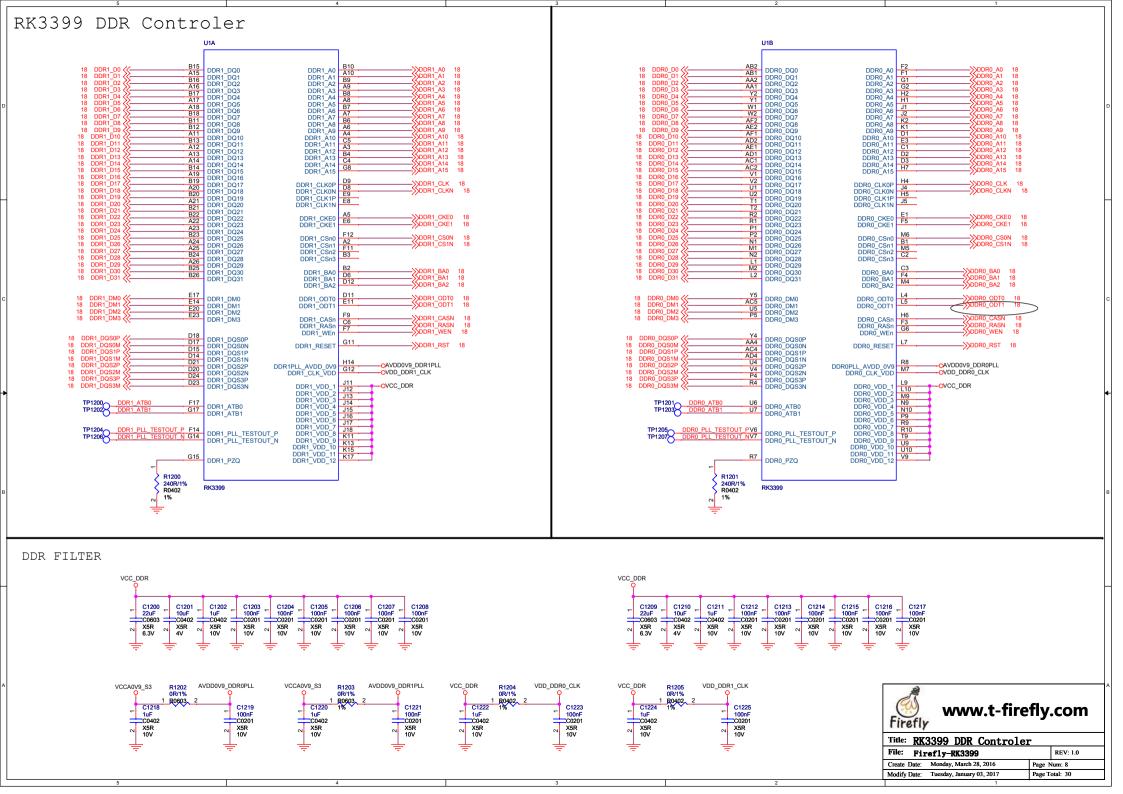
Www.t-firefly.com					
Title: Power Domain Map					
File: Firefly-RK3399		REV: 1.0			
Create Date: Monday, March 28, 2016	Page Num:3				
Modify Date: Tuesday, January 03, 2017	Page Total: 30				

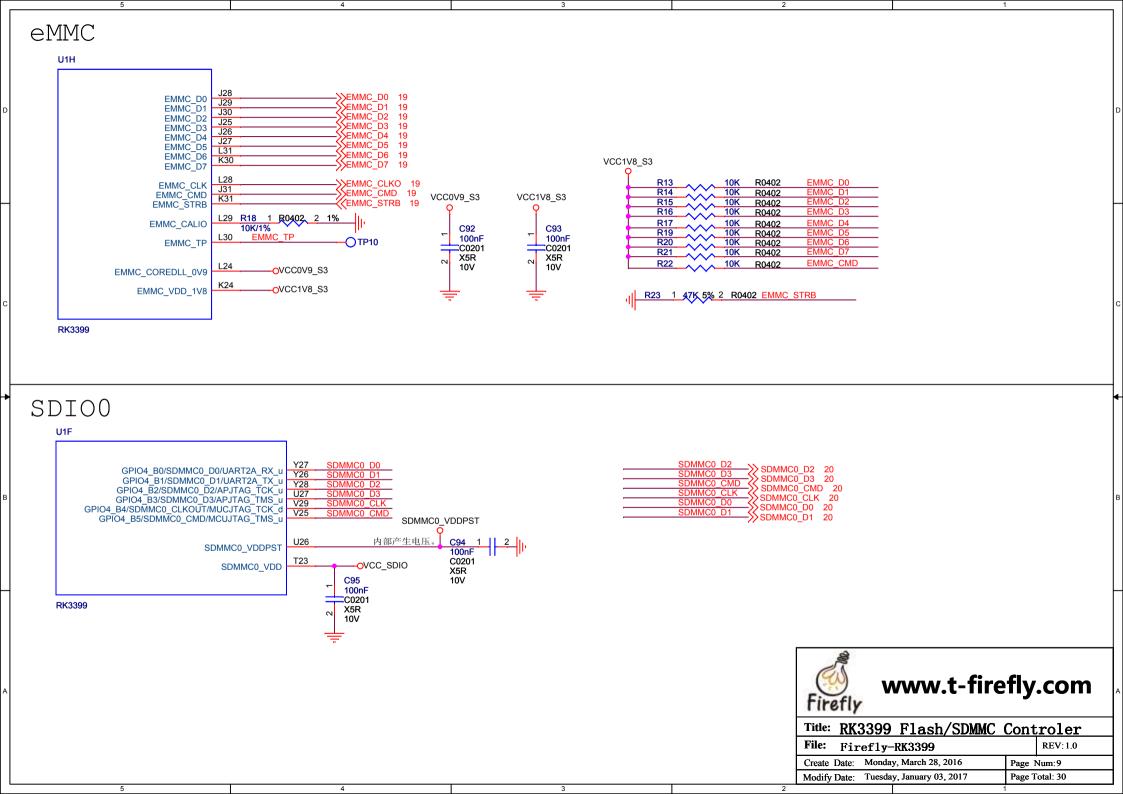








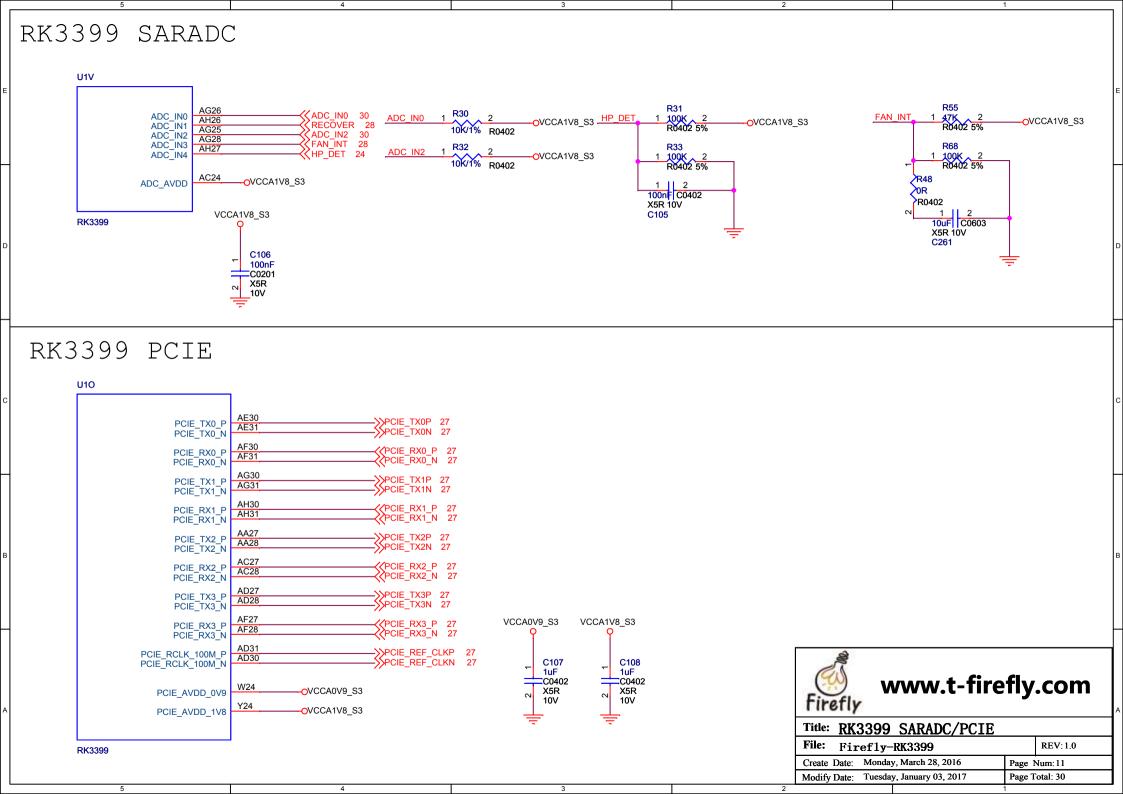


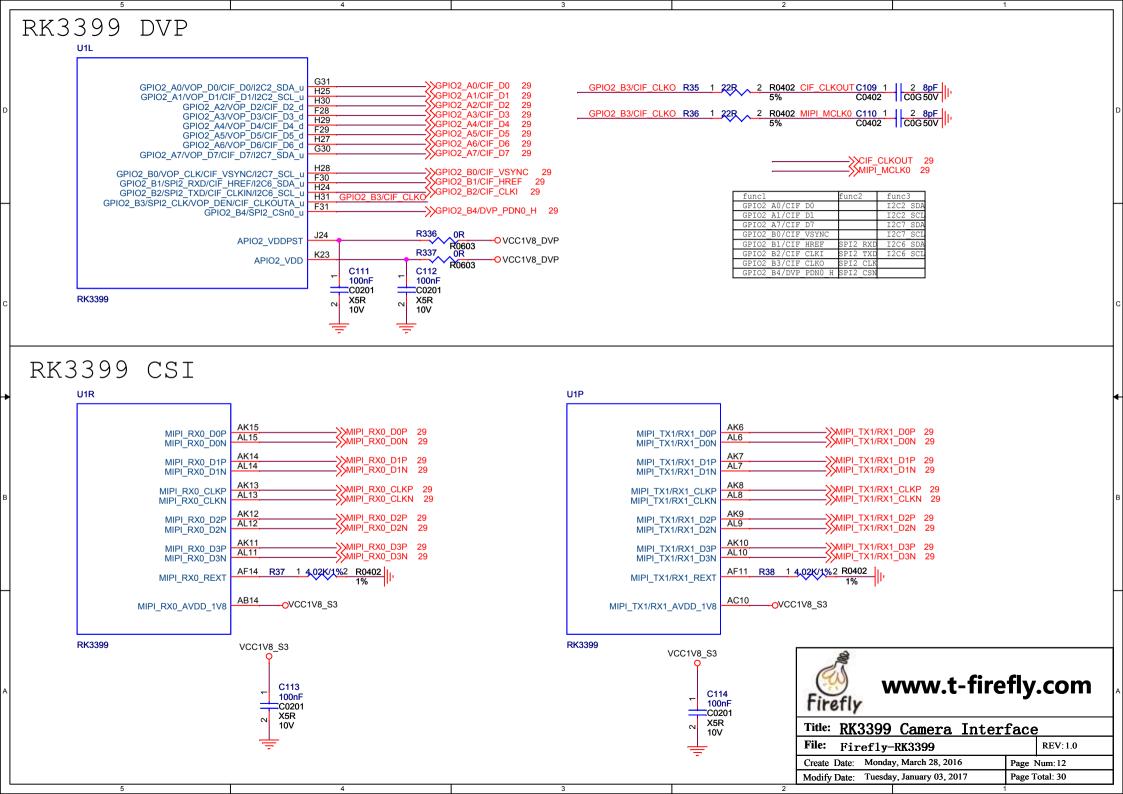


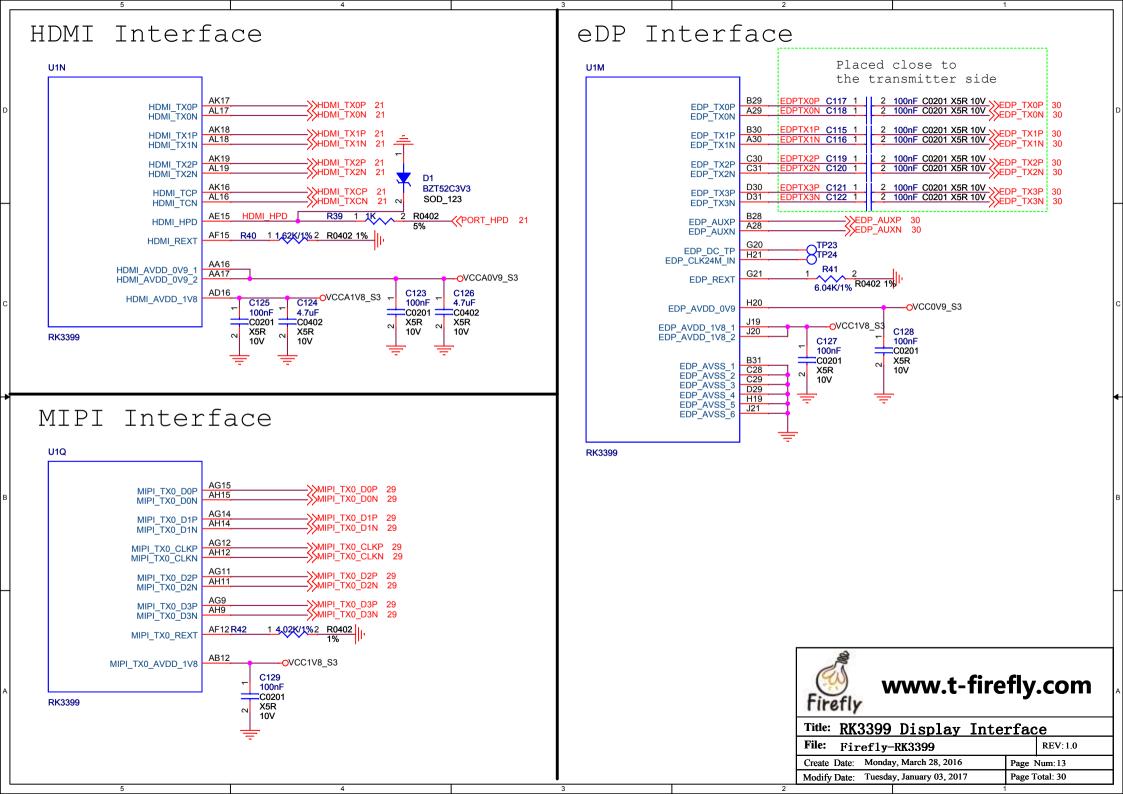
RK3399 USIC Controler U1U USIC STROBE USIC DATA USIC_AVDD_0V9 AD25 **─**○ TP13 USIC_AVDD_1V2 AD24 -O TP14 RK3399 RK3399 USB Controler U1S U1T U1D TYPEC0_TX1P AL22 TYPEC0_TX1M AK22 TYPEC1_TX1P AL26 TYPEC1_TX1M AK26 >>TYPEC0 TX1P 23 ->HOSTO_DP 27 ->HOSTO_DM 27 SUSB3 SSTXP 23 HOSTO_DP HOSTO_DM STYPECO_TX1N 23 SUSB3 SSTXN 23 TYPECO_DP 23 OTG TYPEC1_RX1P AK25 TYPEC1_RX1M AK25 TYPEC0_DP TYPEC0_DM AL30 TYPEC0_RX1P 23 TYPEC0_RX1N 23 USB3_SSRXP 23 USB3_SSRXN 23 TYPEC0 RX1P TYPEC0_RX1M STYPECO TX2P 23 ⟨⟨TYPEC0 U2VBUSDET 23 TYPEC0 TX2P TYPEC1_TX2P AK28 TYPEC1_TX2M TYPEC0_U2VBUSDET AK24 -STYPECO_TX2N 23 TYPEC0_TX2M AC31 USB0_RBIAS TYPEC1_RX2P AK27 TYPEC1_RX2M AL27 AK23 AL23 TYPEC0_RX2P 23 TYPEC0_RX2N 23 TYPECO RX2P USB PHY0 TYPEC0_RX2M TYPEC0_RCLKP AE18 TYPEC0_RCLKM AD18 TYPEC1_RCLKP AE20 TYPEC1_RCLKM AD20 HOST1_DP AA30 HOST1_DM AA31 HOST1_DP 22 HOST1_DM 22 TYPEC0_CC1 AH18 TYPEC0_CC2 AH20 TYPEC1_CC1 AH21 TYPEC1_CC2 AF21 TYPEC1_DP AG24 TYPEC1_DM AE26 TYPEC1_ID AK31 TYPEC1_U2VBUSDET —>>USB3_DP 23 —>>USB3_DM 23 TYPEC0_AUXP AK20 TYPEC0_AUXM AL20 TYPEC1_AUXP AK29 TYPEC1_AUXM AL29 TYPEC0_SBU1 23 TYPEC0_SBU2 23 TYPEC1_AUXP_PD_PU AF25 TYPEC1_AUXM_PU_PD 1 R25 2 TYPEC0_AUXP_PD_PU AG17 AC30 TYPEC0_SBU1_DC 23 TYPEC0_SBU2_DC 23 USB1_RBIAS TYPEC0_AUXM_PU_PD R0402 TYPECO_REXT_CC AD19 TYPECO_USVBUSDET TYPECO_REXT_CC AG18 R26 1 499R/152 2 R0402 1% AG20 R28 1 499R/152 2 R0402 1% V24 USB AVDD 0V9 OVCCA0V9_S3 USB AVDD 1V8 U24 OVCCA1V8_S3 TYPEC1_AVDD_0V9_1 TYPEC1_AVDD_0V9_2 OVCCA0V9_S3 USB_AVDD_3V3 Y25 OVCC3V3_S3 TYPEC0_AVDD_1V8 AA18 OVCCA1V8_S3 TYPEC1_AVDD_1V8 AA21 -OVCCA1V8_S3 AB18 OVCC3V3_S3 TYPEC1_AVDD_3V3 AB21 TYPEC0 AVDD 3V3 -OVCC3V3 S3 RK3399 RK3399 RK3399 VCCA0V9_S3 VCCA1V8_S3 VCC3V3_S3 VCCA1V8_S3 VCC3V3_S3 VCCA0V9_S3 VCCA0V9_S3 VCCA1V8_S3 VCC3V3_S3 C96 100nF C0201 X5R 10V C97 100nF C0201 C99 100nF C100 100nF C0201 X5R C101 C98 100nF C0201 C0201 X5R C0201 X5R C103 100nF C0201 X5R 10V C102 100nF C104 100nF X5R 10V X5R 10V 10V 10V 10V C0201 X5R 10V C0201 www.t-firefly.com Firefly Title: RK3399 USB/USIC Controler File: Firefly-RK3399 REV: 1.0 Create Date: Monday, March 28, 2016 Page Num: 10

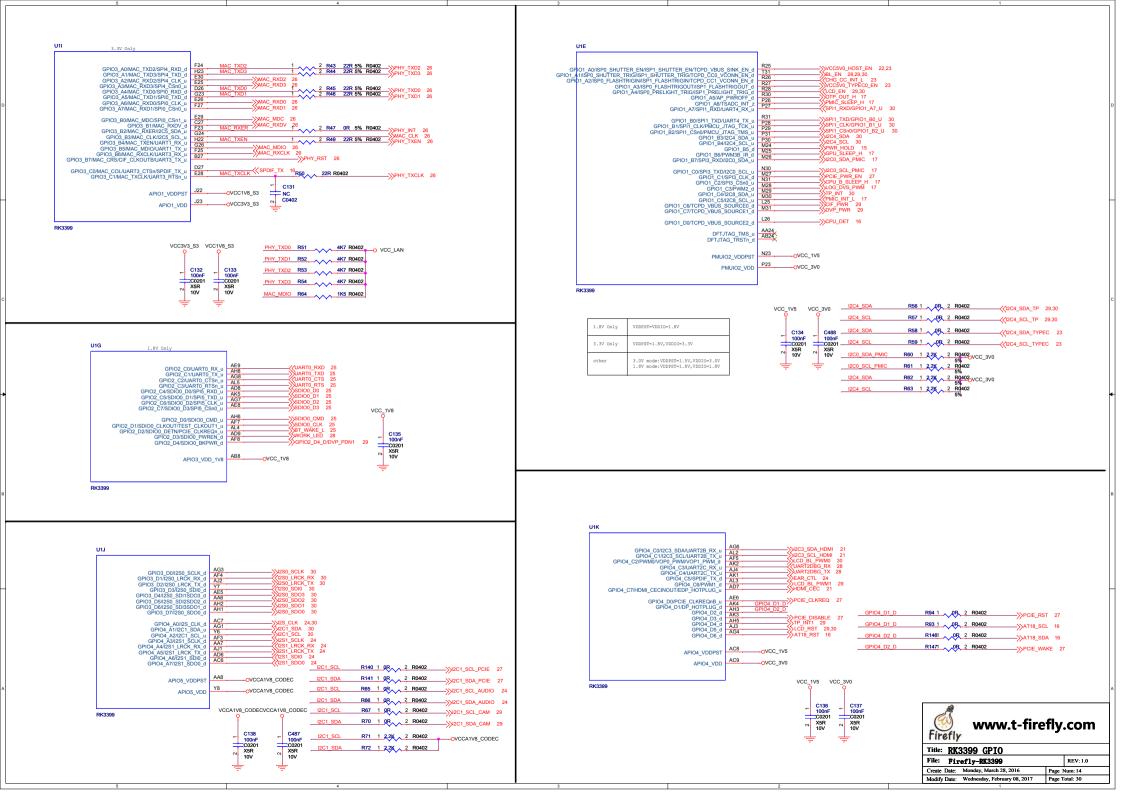
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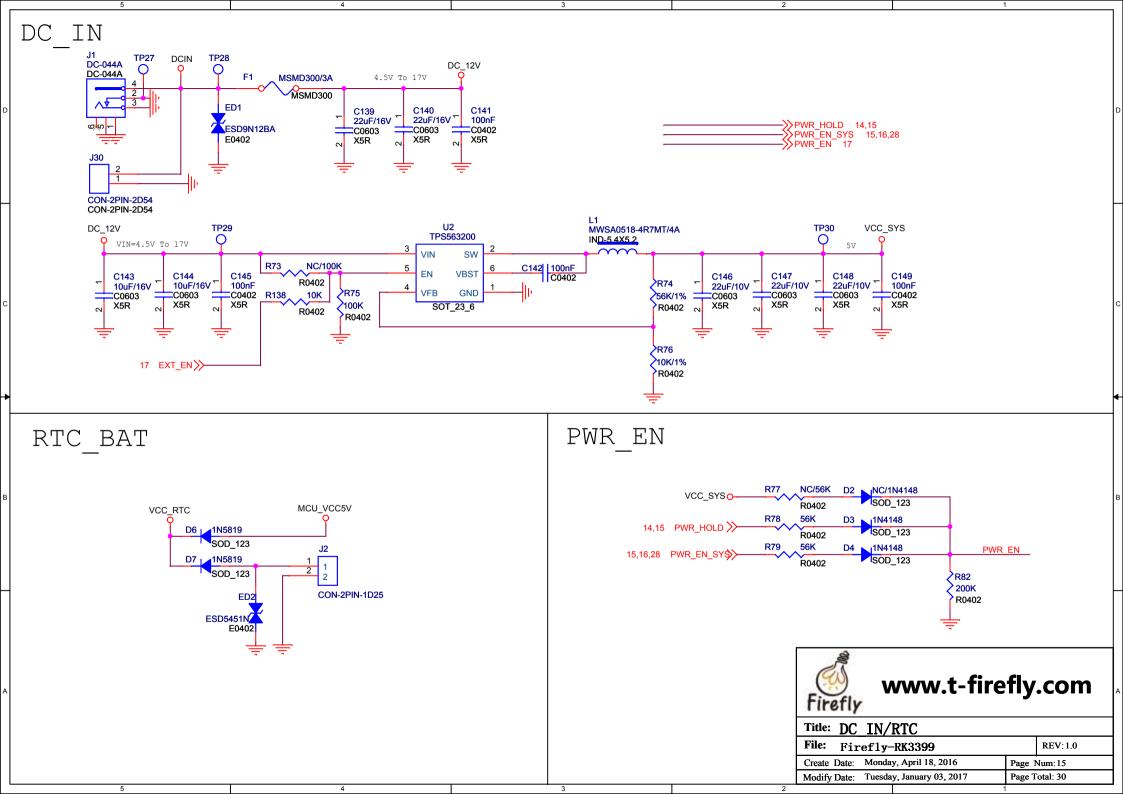
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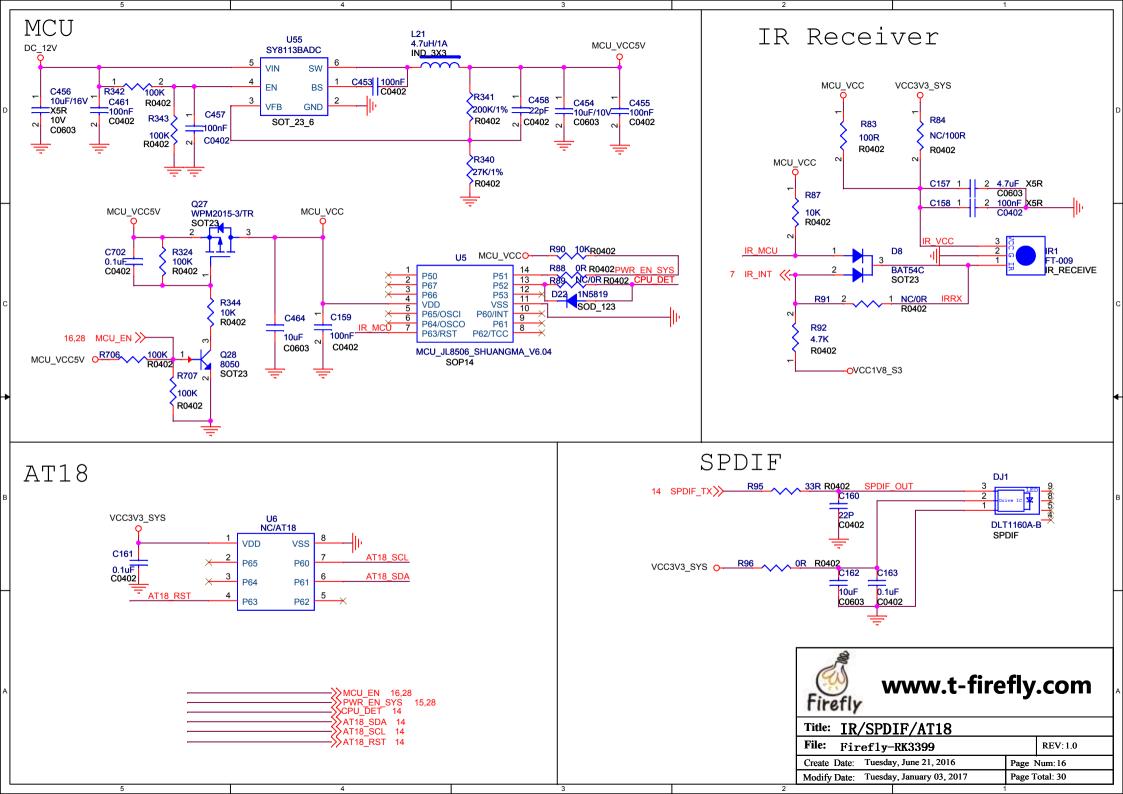


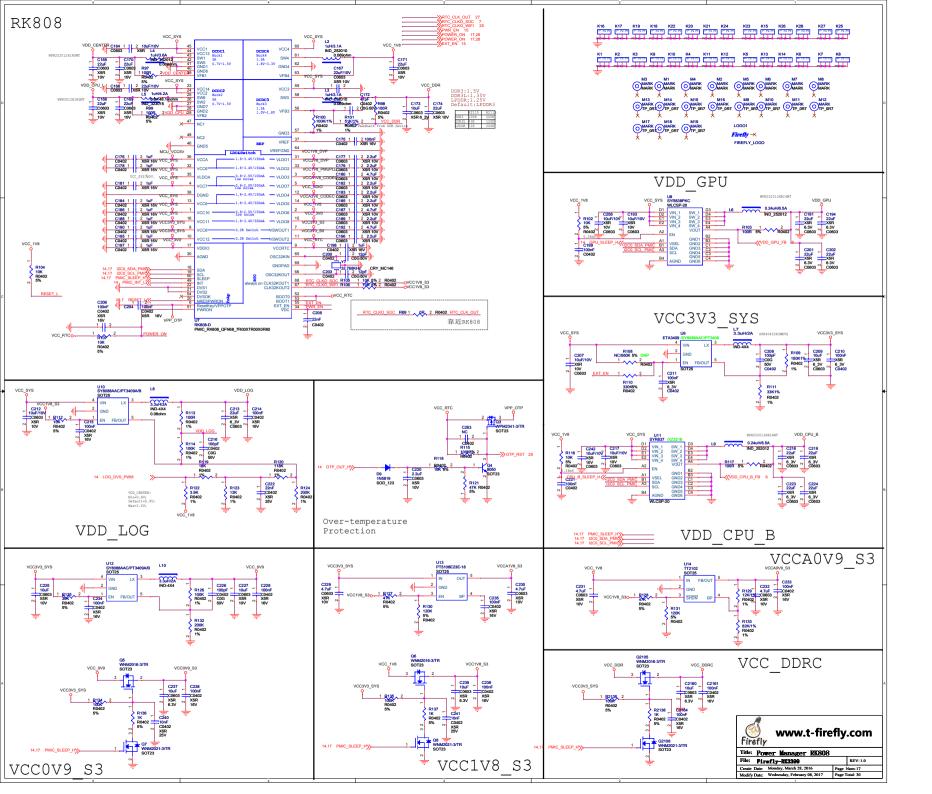


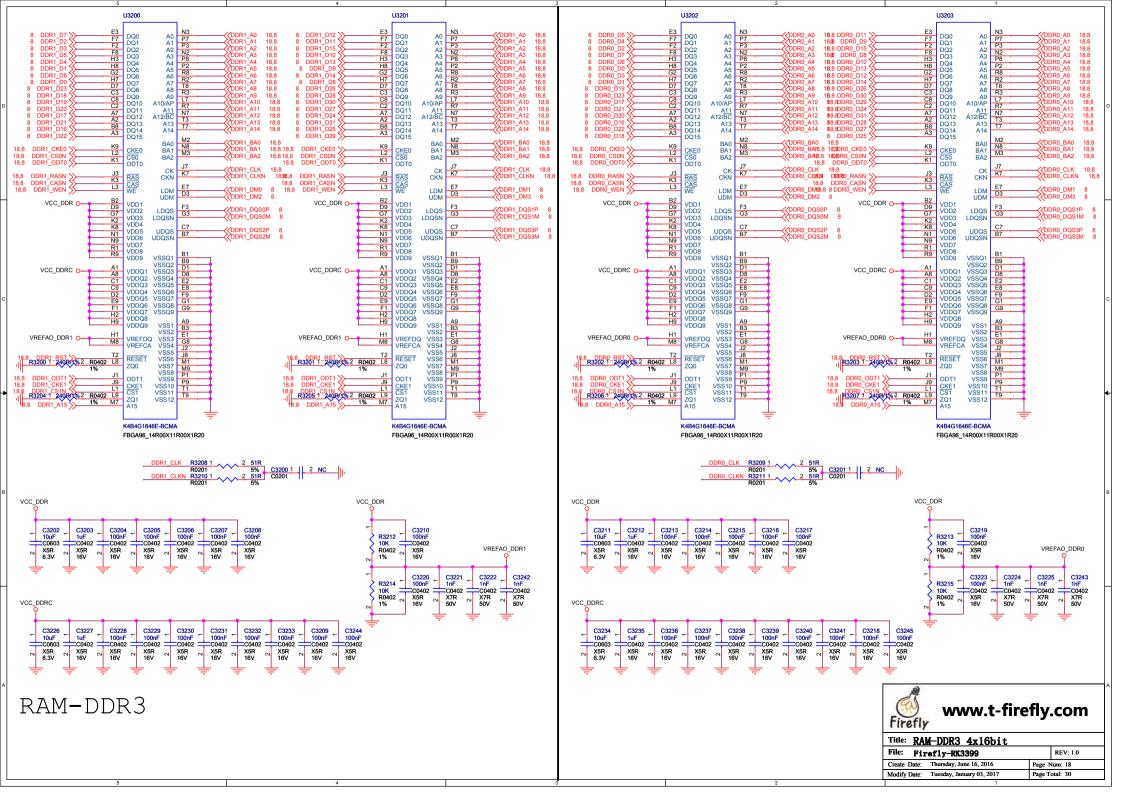












eMMC FLASH

