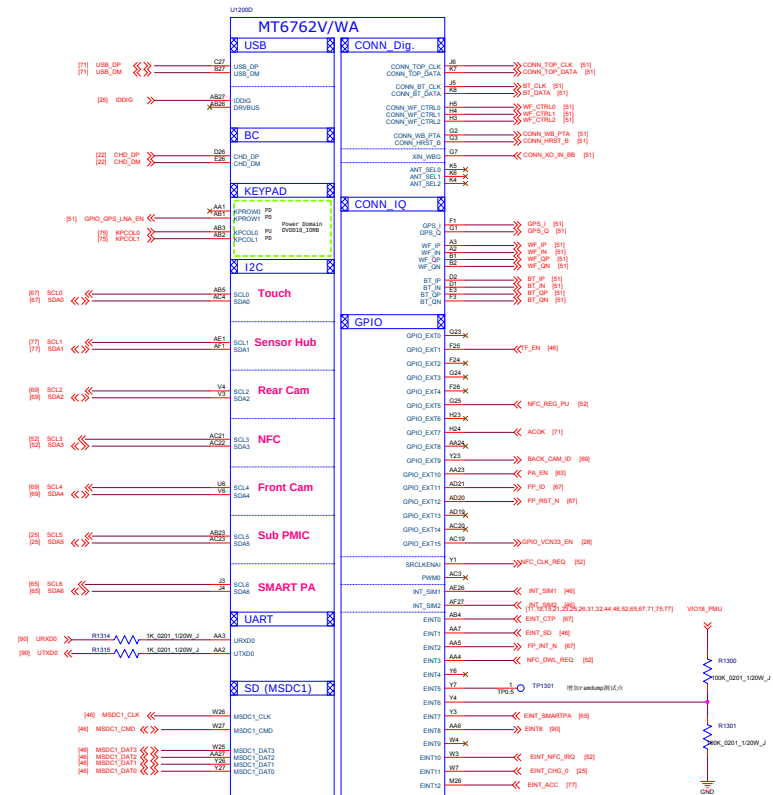
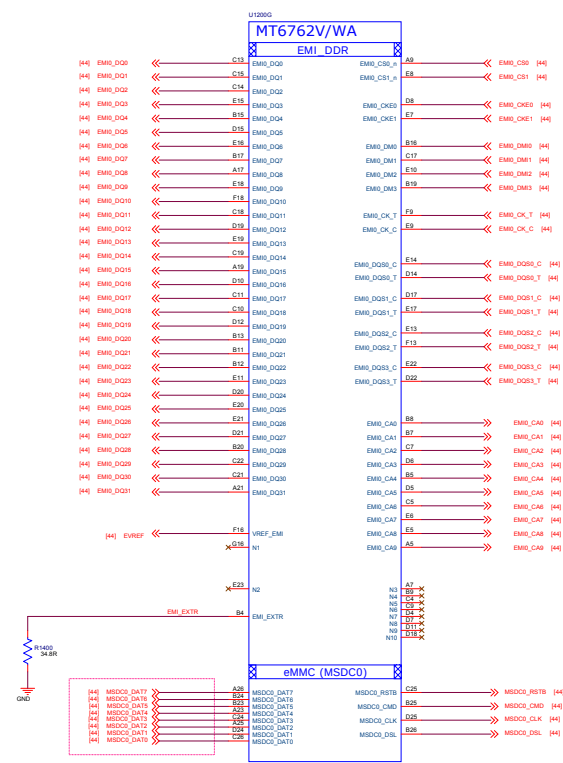
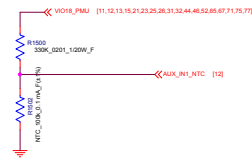




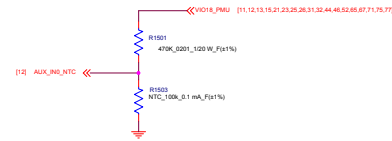
Date: Friday, December 14, 2018 Sheet 13 of 99



SoMC Mobile Communications, INC.		
Title 14_BB_3		
Size D	Project	Rev v5
Date: Friday, December 14, 2018		Sheet 14 of 99

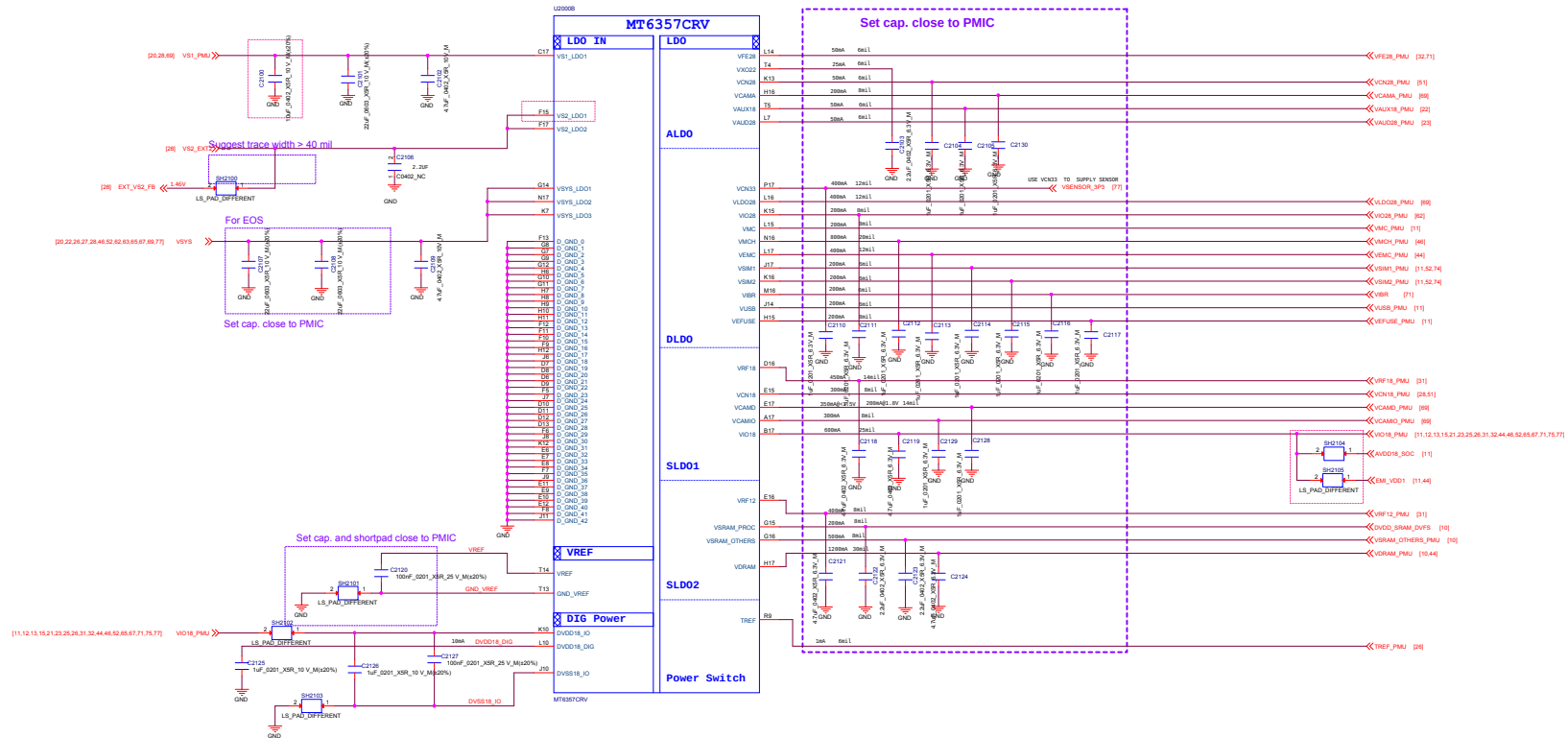


Thermistor / To sense board level temperature



SoMC Mobile Communications, INC.		
Title 15_BB_AUXADC_Thermal		
Size D	Project	Rev v5
Date: Friday, December 14, 2018	Sheet 15 of 99	

1. "Typical Cap" defined in design notice is the minimum cap. to LDO Cout.
2. NC cap can move to application, if (PCB L<20nH, PCB R<0.2 ohm)
=> value and placement of Cap, please refer design notice



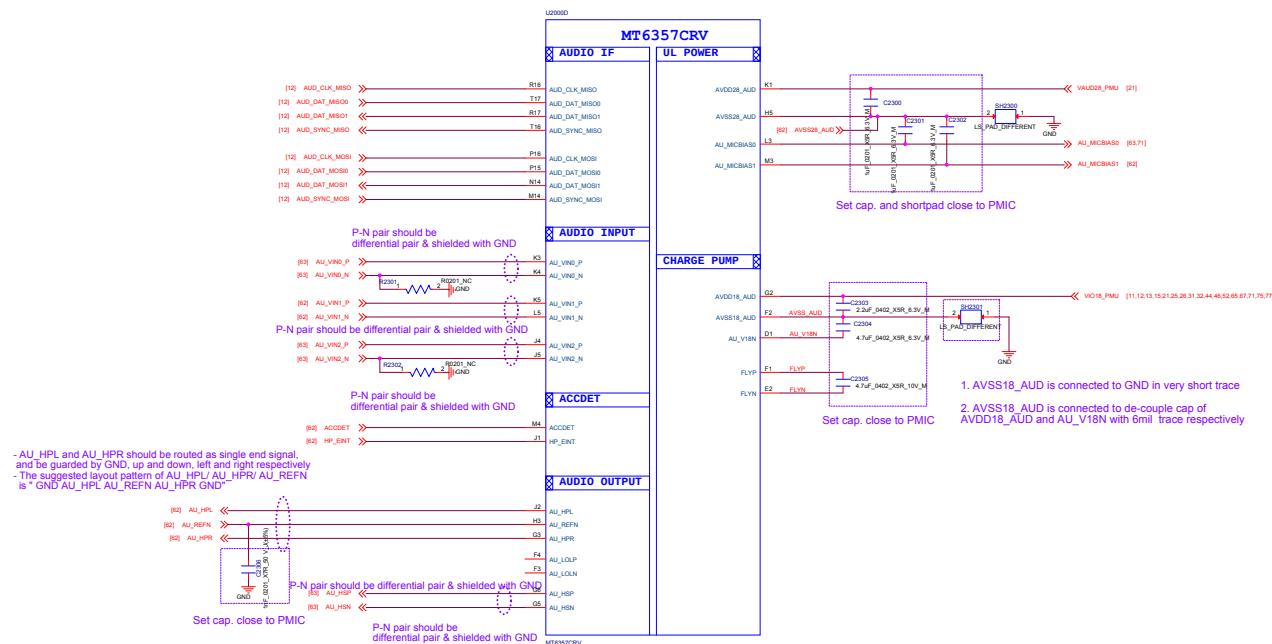
SoMC Mobile Communications, INC.

Title 21_POWER_MT6357_LDO

Size D Project

Rev v5

Date: Friday, December 14, 2018 Sheet 21 of 99



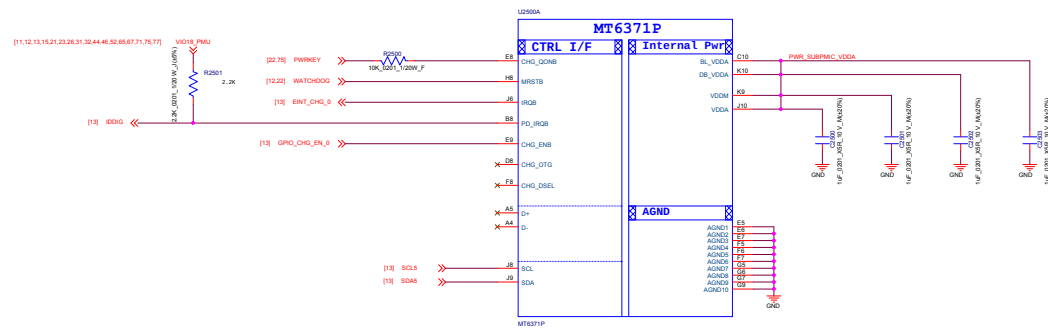
SoMC Mobile Communications, INC.

Title 23_POWER_MT6357_Audio

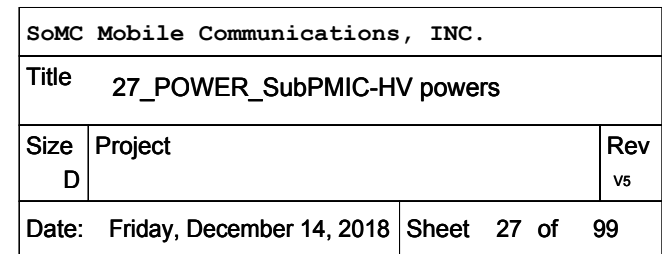
Size D

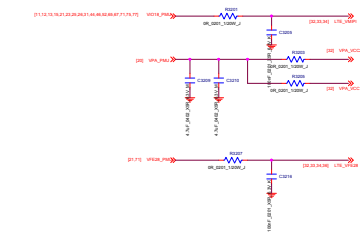
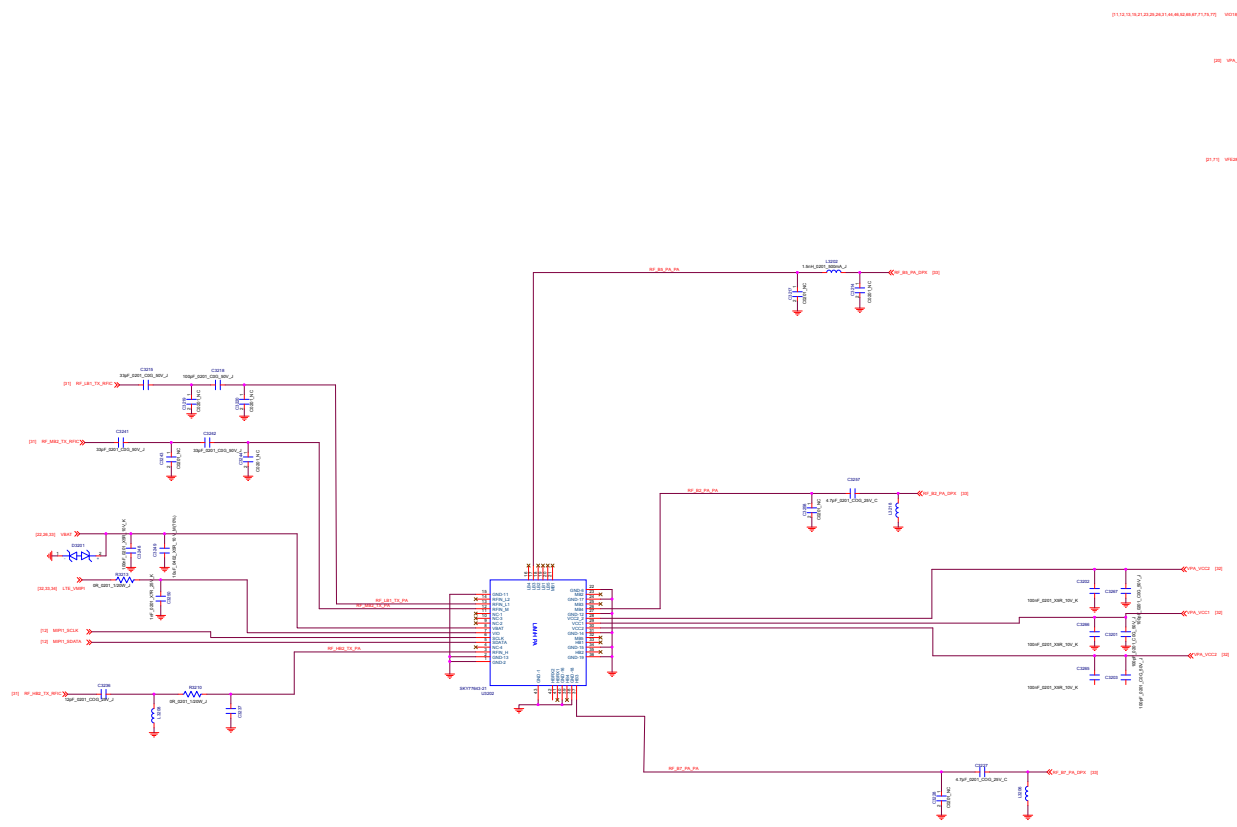
Project Rev v5

Date: Friday, December 14, 2018 Sheet 23 of 99

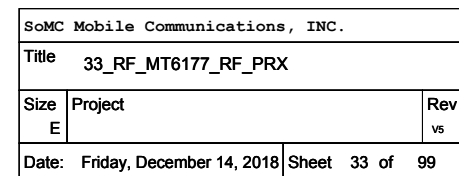
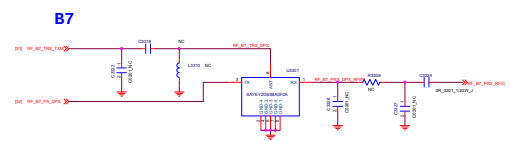
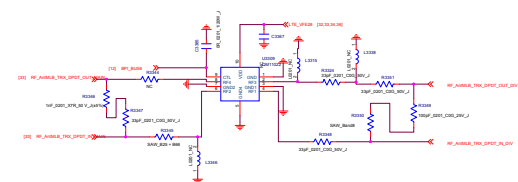


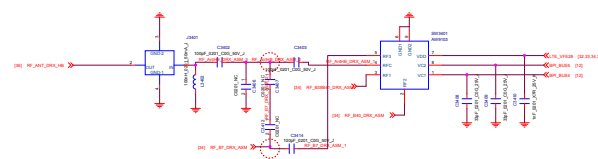
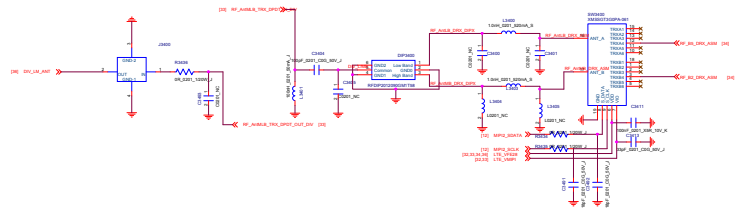
SoMC Mobile Communications, INC.		
Title 25_POWER_SubPMIC-General		
Size D	Project	Rev v5
Date: Friday, December 14, 2018	Sheet 25 of 99	



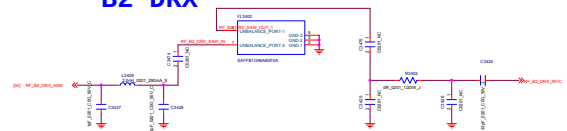


SoMC Mobile Communications, INC.			
Title 32_RF_MT6177_RF_TX			
Size E	Project		Rev v5
Date: Friday, December 14, 2018		Sheet 32 of 99	

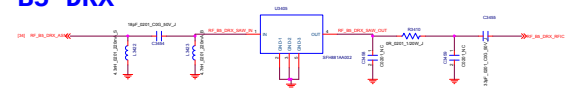




B2 DRX



B5 DRX

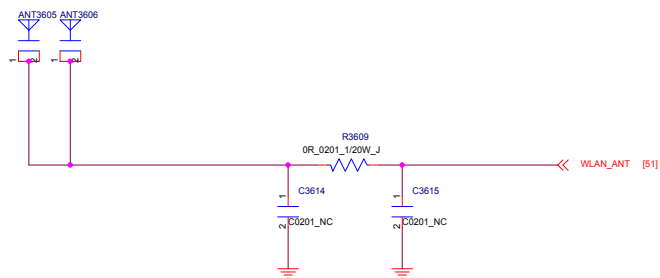


B7 DRX

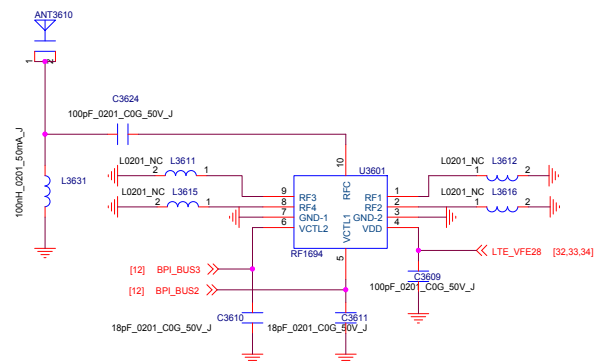


SoMC Mobile Communications, INC.		
Title 34_RF_MT6177_RF_DRX		
Size E	Project	Rev v5
Date: Friday, December 14, 2018	Sheet 34 of	99

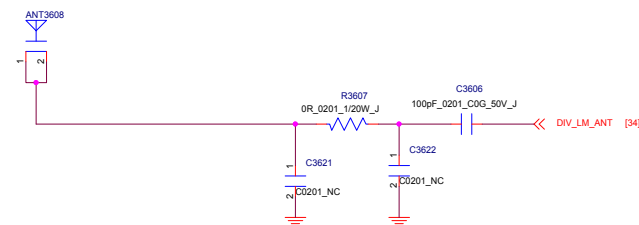
WIFI/GPS_ANT



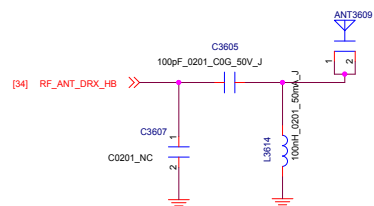
DRX_ANT_LM Tuner



DRX_ANT_LM



DRX_ANT_H



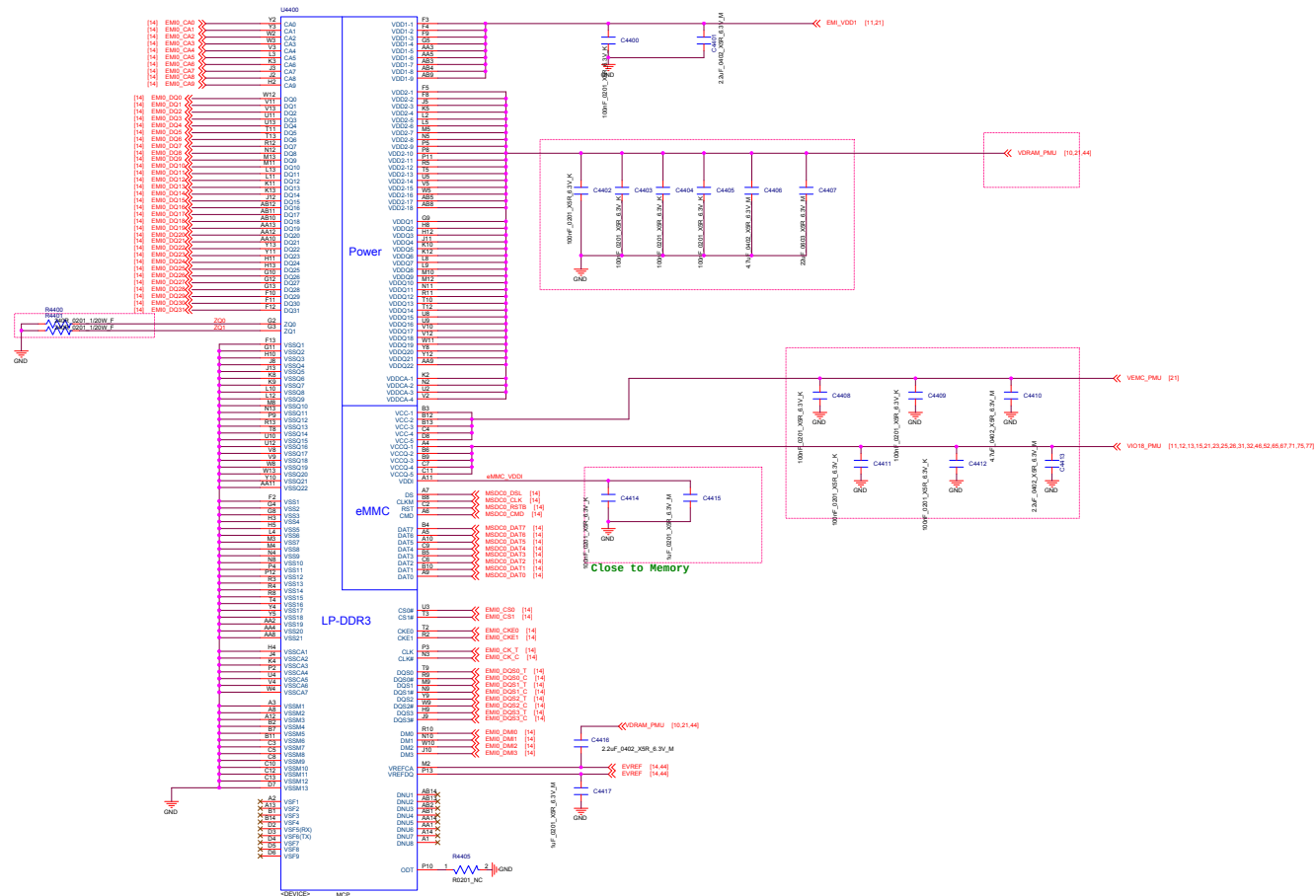
SoMC Mobile Communications, INC.

Title 36_RF_ANT

Size Project
C

Rev
V5

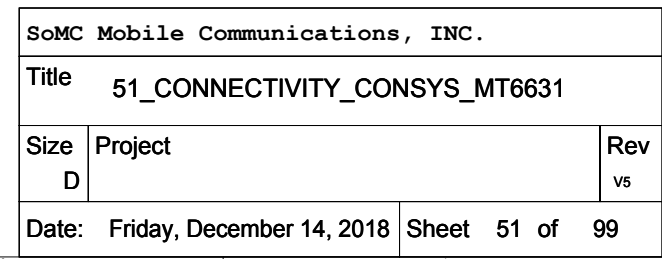
Date: Friday, December 14, 2018 Sheet 36 of 99



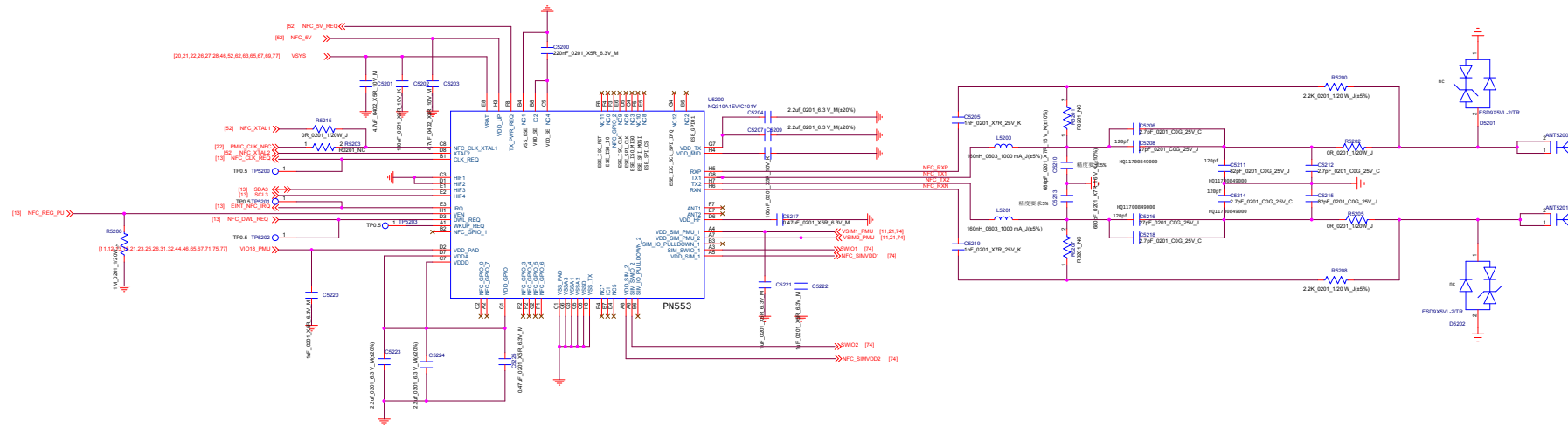
SoMC Mobile Communications, INC.		
Title 44_Memory_eMMC_LPDDR3		
Size D	Project	Rev v5
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[illegible][illegible]

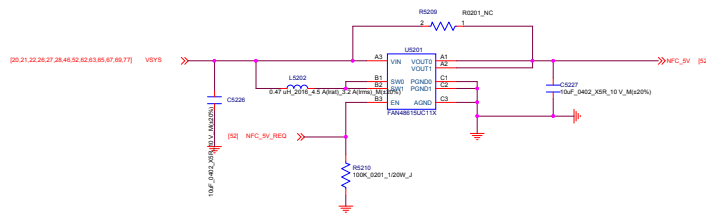
Date: Friday, December 14, 2018 Sheet 46 of 99



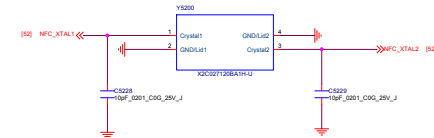
NFC



NFC DCDC

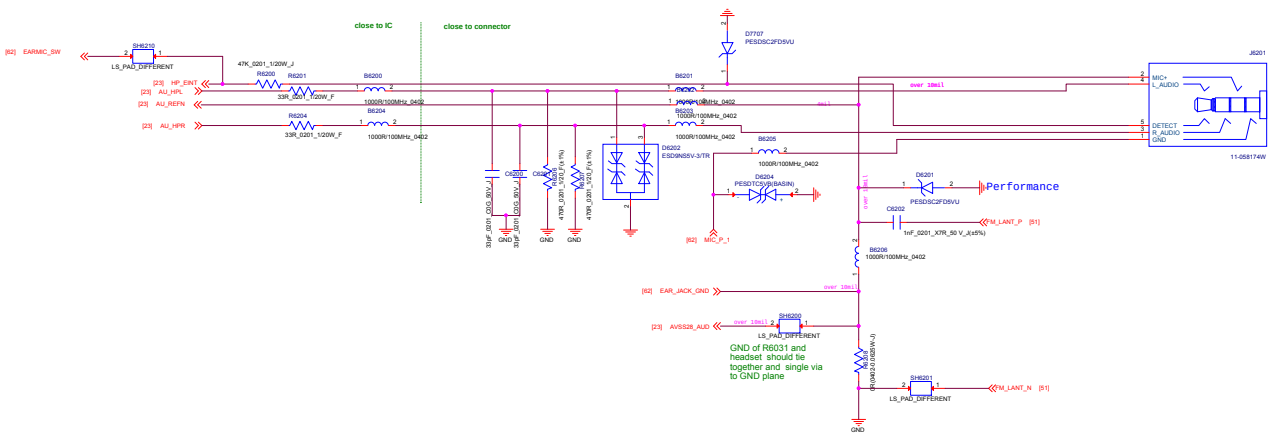


27.12MHz Crystal



SoMC Mobile Communications, INC.			
Title 52_CONNECTIVITY_NFC			
Size D	Project		Rev v5
Date:	Friday, December 14, 2018	Sheet 52 of	99

Earphone Audio

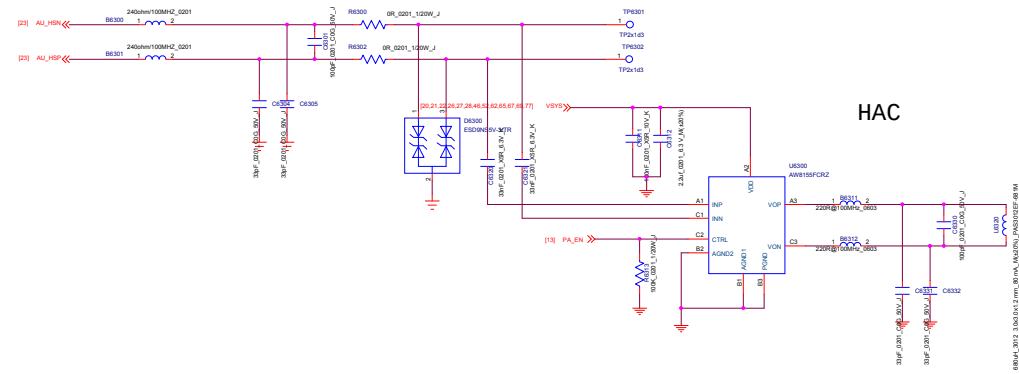


Earphone MICPHONE
ACC MODE

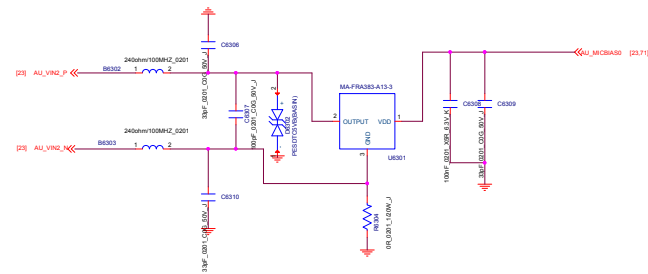


SoMC Mobile Communications, INC.		
Title 62_PERI_AUDIO_IO		
Size D	Project	Rev v5
Date: Friday, December 14, 2018 Sheet 62 of 99		

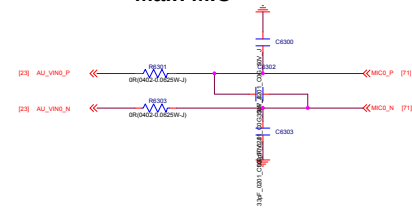
Receiver



SUB MIC

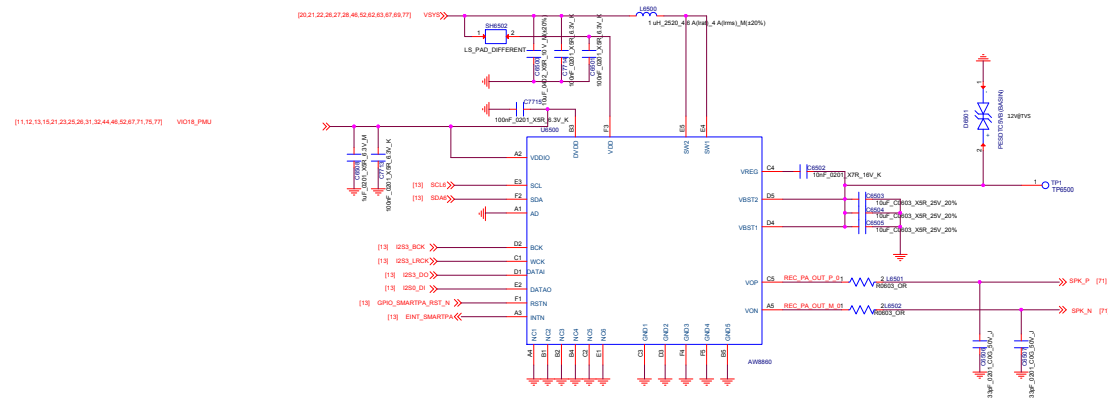


Main MIC



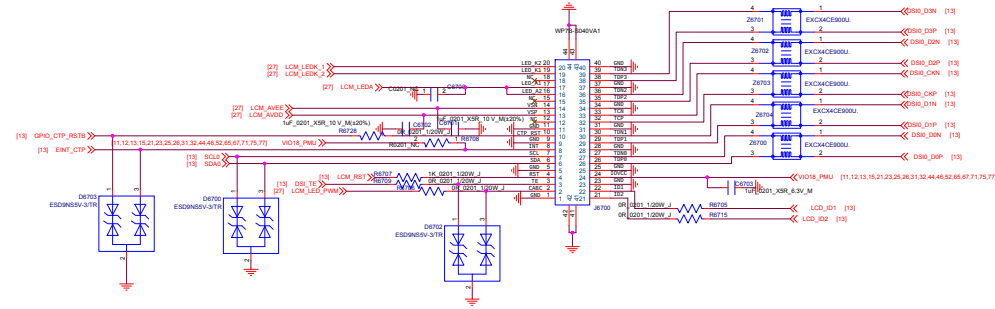
SoMC Mobile Communications, INC.			
Title 63_PERI_AUDIO_IO2(2 AMIC)			
Size D	Project		Rev v5
Date:	Friday, December 14, 2018	Sheet 63 of	99

Audio Smart PA

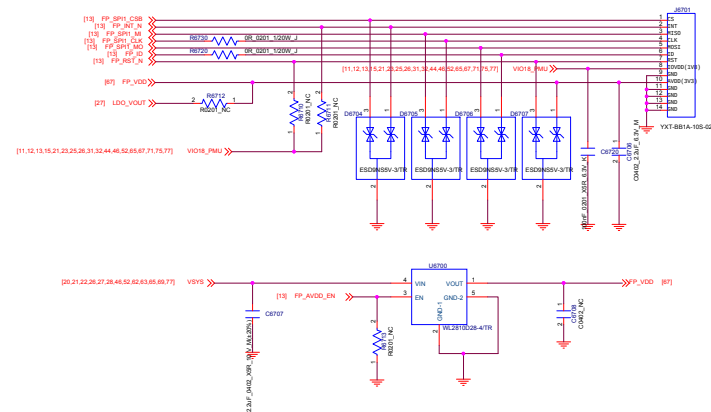


SoMC Mobile Communications, INC.			
Title 65_PERI_SPEAKER_AMP			
Size D	Project		Rev v5
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Main LCM+CTP incell



Finger Print



SoMC Mobile Communications, INC.

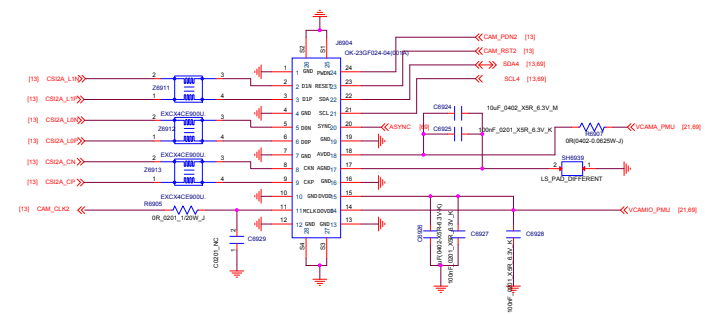
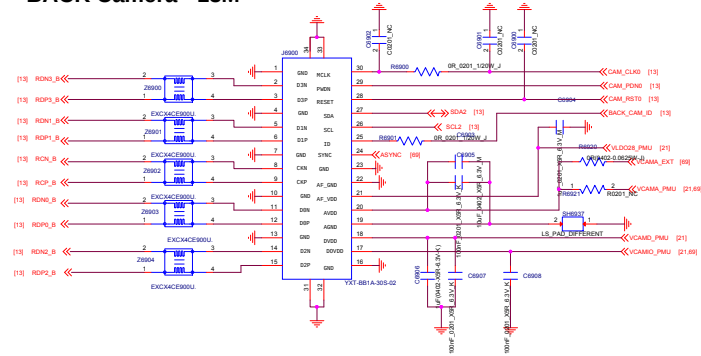
Title	67_PERI_LCD_CTP_FP
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Size D	Project
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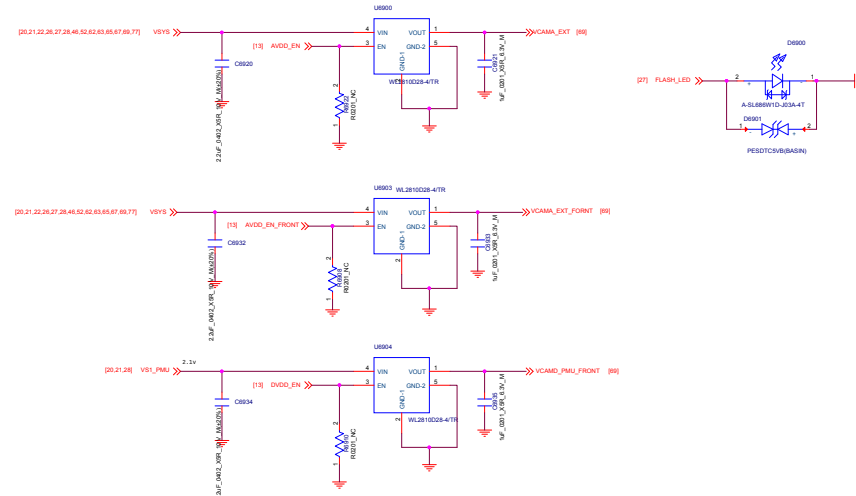
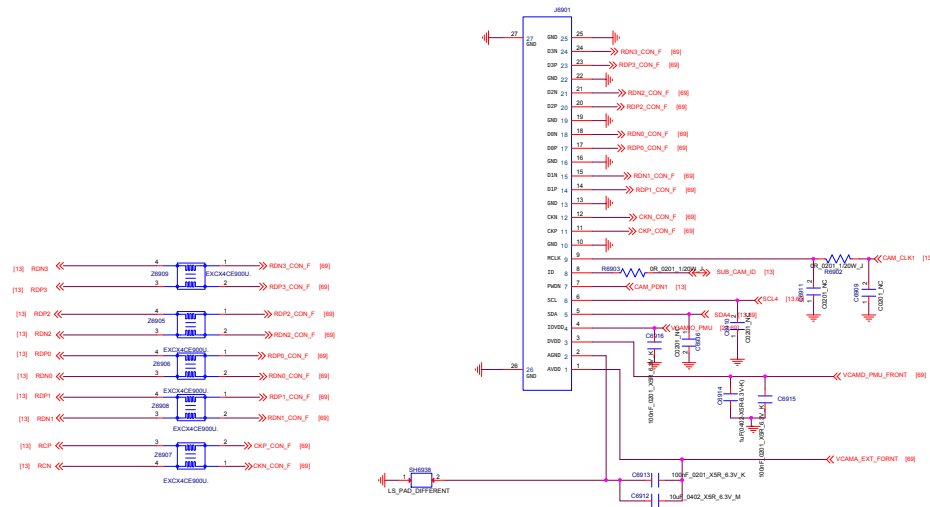
Rev
V5

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BACK Camera - 13M



Front Camera - 8M



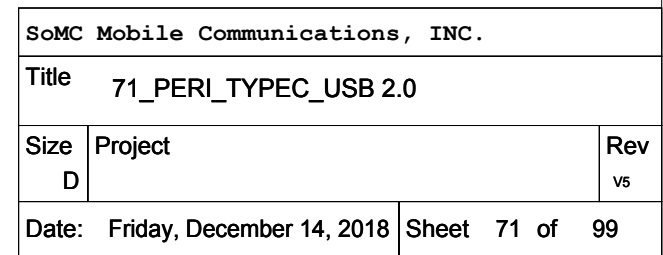
SoMC Mobile Communications, INC.

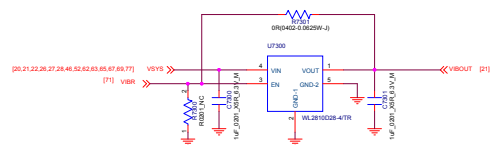
Title 69_PERI_CAMERA

Size D Project

Rev v5

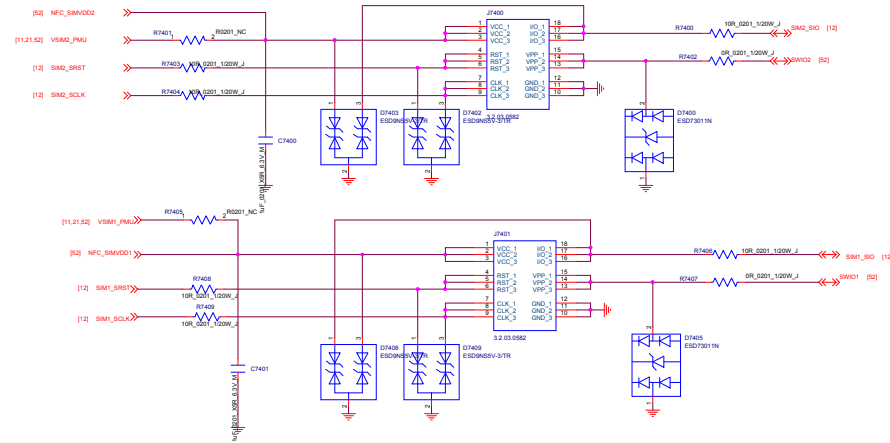
Date: Friday, December 14, 2018 Sheet 69 of 99





SoMC Mobile Communications, INC.		
Title 73_PERI_VIBRATOR		
Size D	Project	Rev v5
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SIM1/SIM2



SoMC Mobile Communications, INC.

Title 74_PERI_SIM

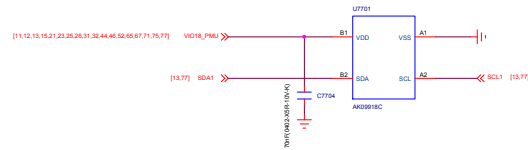
Size	Project	Rev
D		v5

Date: Friday, December 14, 2018	Sheet 74 of 99
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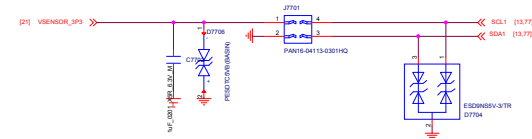
DO NOT put pull-up resistor on PWRKEY

SoMC Mobile Communications, INC.			
Title 75_PERI_KEYPAD			
Size D	Project		Rev v5
Date: Friday, December 14, 2018		Sheet 75 of 99	

M-Sensor



AL & PS Sensor

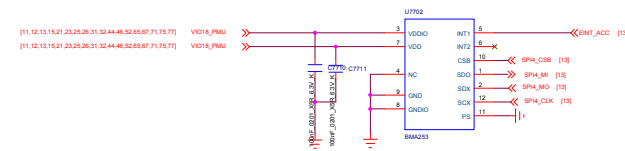


STK3321-35A I2C address:0X48

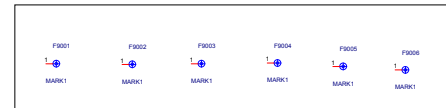
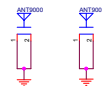
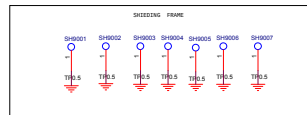
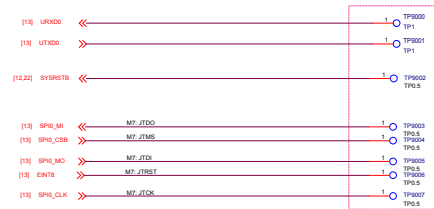
CHARGER/3COLOR LED



G Sensor



SoMC Mobile Communications, INC.		
Title 77_PERI_SENSORS_MEMs_ALS/PS		
Size D	Project	Rev v5
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SoMC Mobile Communications, INC.		
Title 90_DEBUG_IO		
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