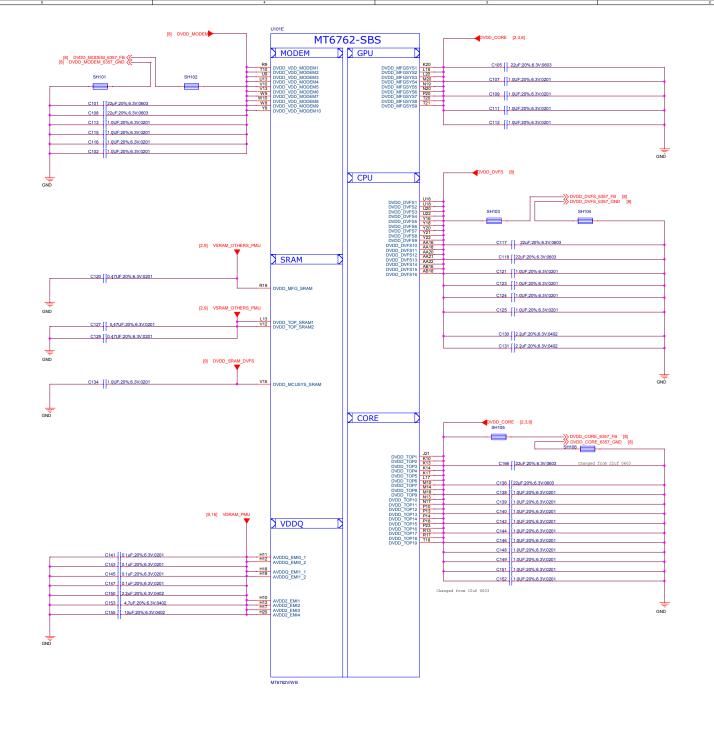
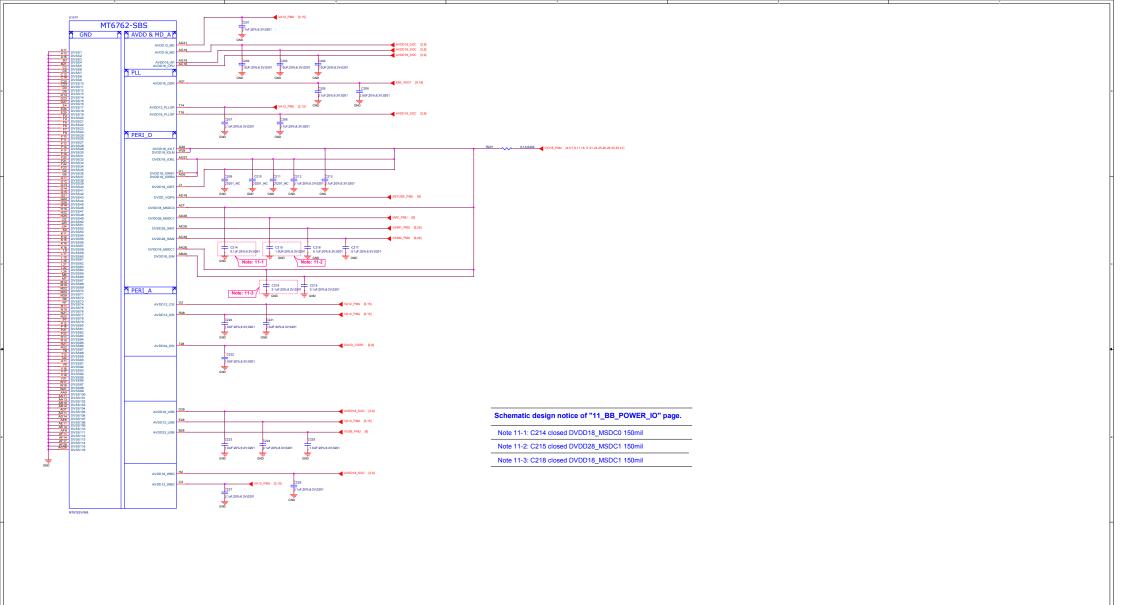
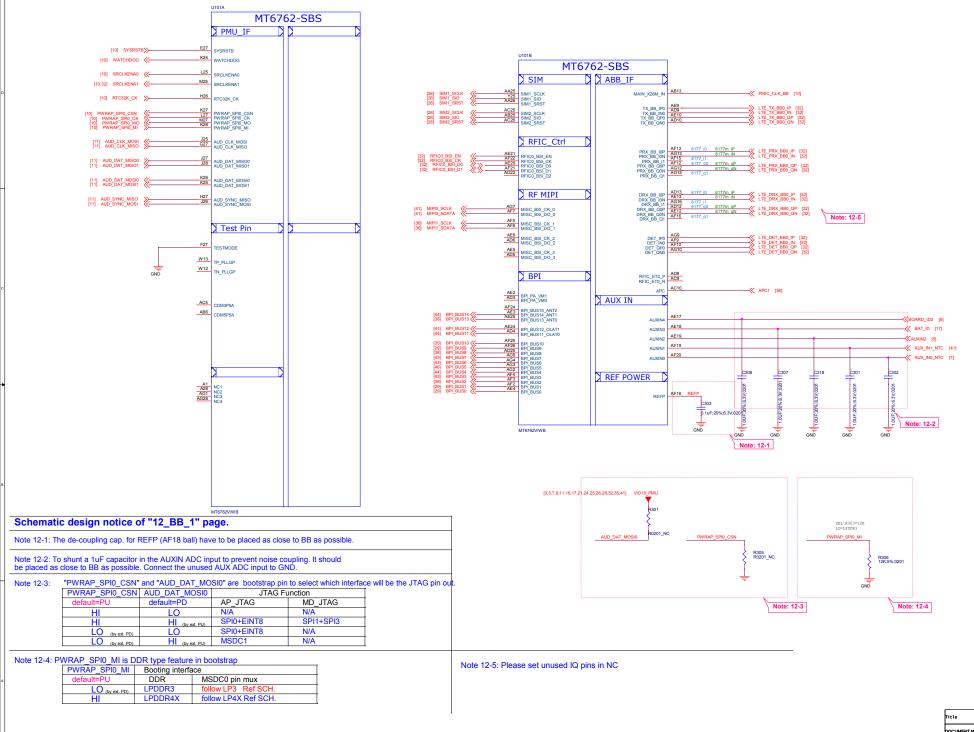
D REV	DATE	DESCRIPTION
A1	20181203	Refer to MTK DVT1.1 Reference design
A1	20181205	Change from K4 Sch 1. Change PA from 87318 to 87319 2.Change Charger IC from SM5414 to ETA6793 3.Change P-L sensor from STK3331 to Spring board STK3332 4. Delete LCM I2C switch 5. Delete USB switch 6.Delete KEY Pressed force download circuit 7.Change CAM I2C connection 8.Change BAT CONN
C		

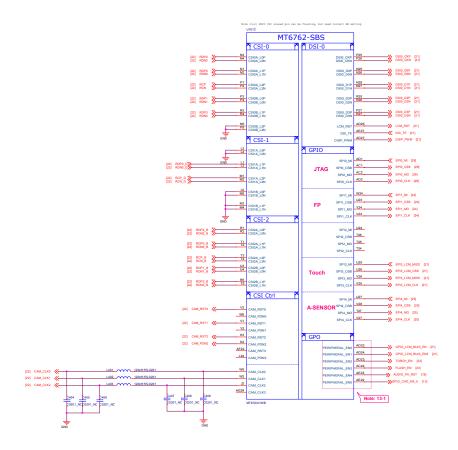


Title	Title 01_BB_ POWER_PDN				
DOCUMENT NO.:	Design Name		Size	A2	
DEPARTMENT:	WINGTECH-SH DESIGNER: I			NGLEI	
	ING	11=0	2/	1	
Date: Monday	, April 08, 2019	Sheet 2	of	53	



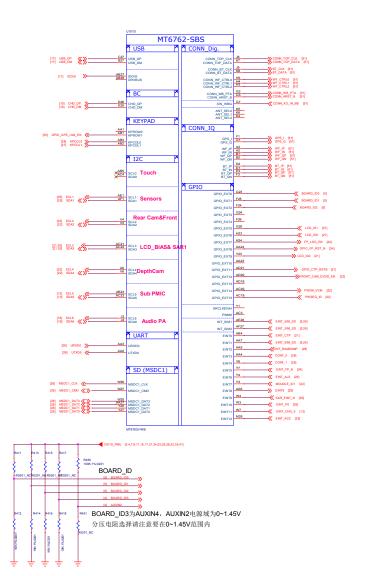




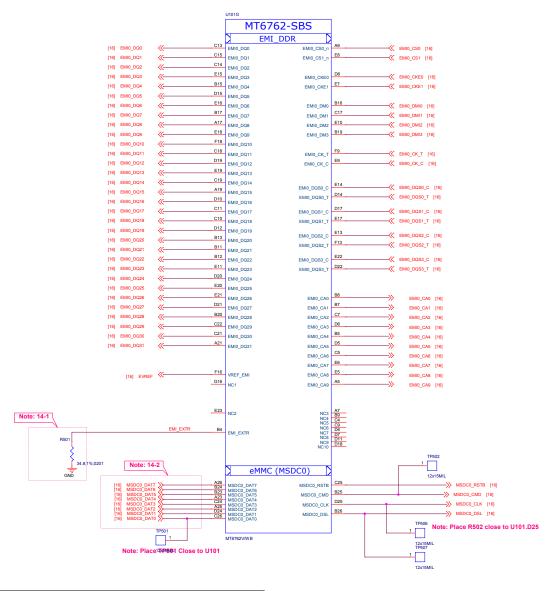


Schematic design notice of "13_BB_2" page.

Note 13-1: The enable pin of acoustic or optoelectronic devices (e.g. SPK AMP/Backlight/Charger OCP/OVP) suggest to use Peripheral EN[0:5] fuse other GP/IOs as enable pin, suggest to reserve 0201 NC to GND







Schematic design notice of "14_BB_3" page.

Note 14-1: R501 please select 34.8 ohm (1%) resistor

Note 14-2: Please check eMCP LP3 and eMCP LP4X pin mux

Title	05_BB_3_EMMC		REV:	V10
DOCUMENT NO.:	Design Name		Size	A2
DEPARTMENT:	WINGTECH-SH	DESIGNER:	LIUFE	NGLEI
	ING	11=	92	3/
Date: Monday	, April 08, 2019	Sheet 6	of	53

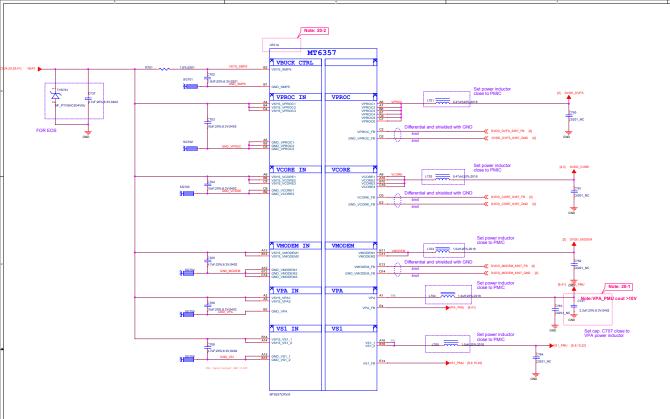
The pull up ressister need to be 1% accuracy NTC=100K

Thermistor to sense CHARGER temperature
Huawei NOTE: 1.1 TIC606 must keep a distance about 3-5 mm away from Charger IC and far from other heat sources 5-10 mm at least.

temperature

1. RT694must keep a distance about 6-8 mm away from AP and far from AP and AP and far from AP and AP an

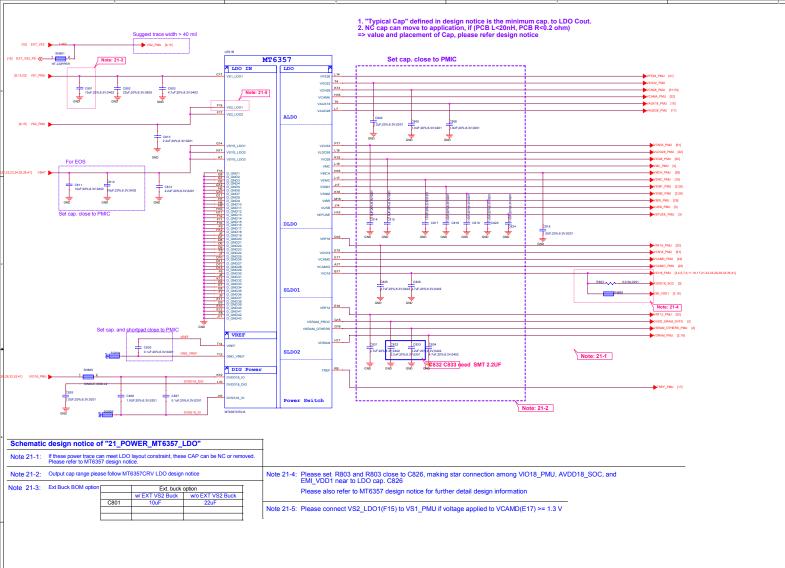
Title 06_BB_AUXADC_Thermal NSV: VID DOUBLIST NO: Despo Name Size D DEPORTMENT: WHOTECHER DESDOER LIFENOLD



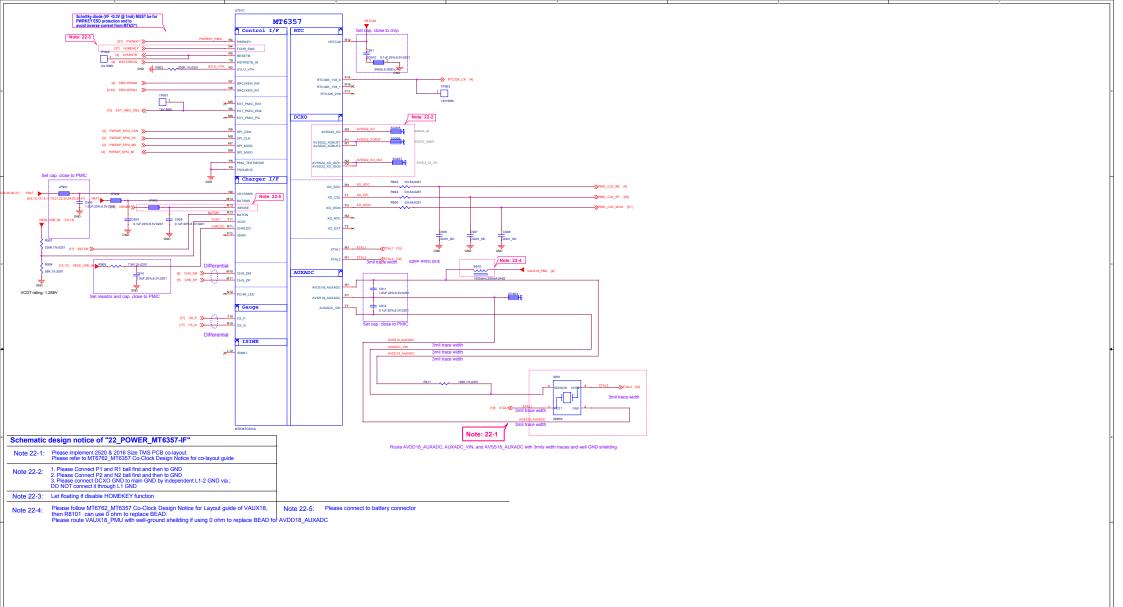
Schematic design notice of "20_POWER_MT6357_Buck"

Note 20-1: C707, please choose 0402 size

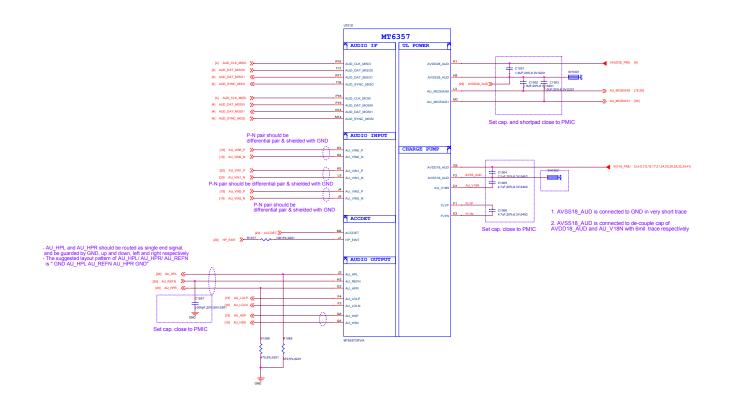
Note 20-2: For MT6765/62/61 platform, please only use MT6357CRV



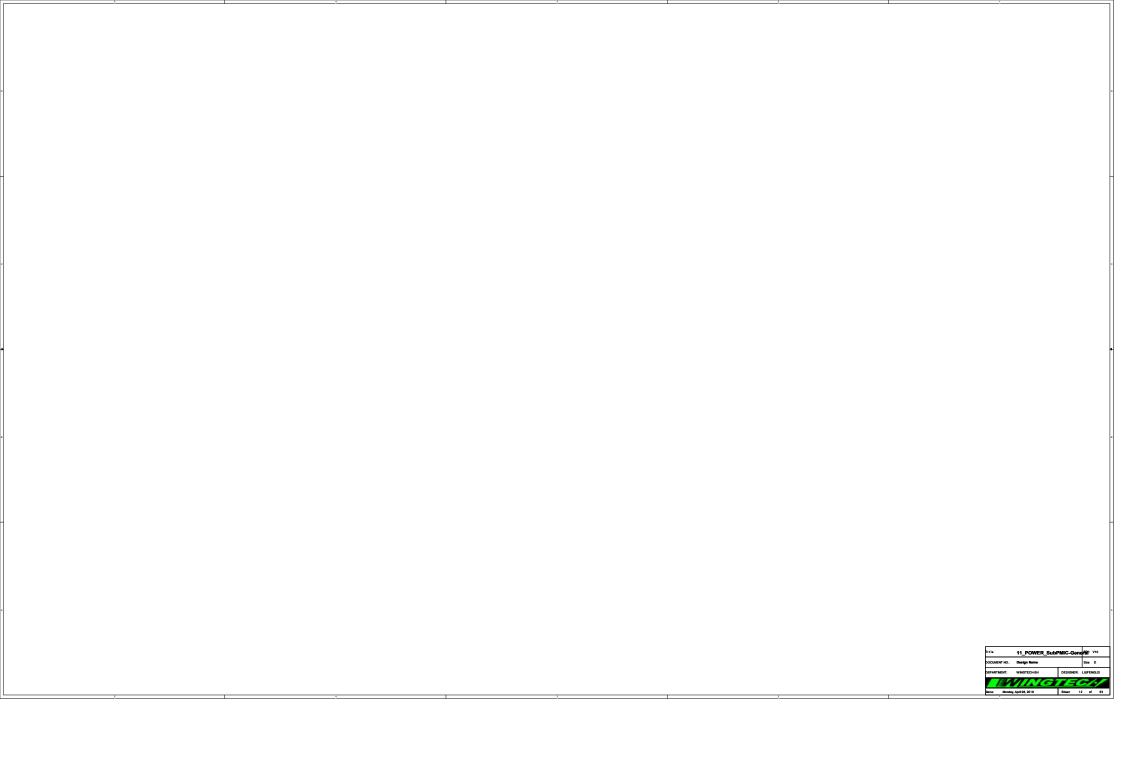
fitle	08_POWER_MT63	57_LDO	REV: V10
DOCUMENT NO:	Design Name		Size D
DEPARTMENT:	WINGTECH-SH	DESIGNER:	LIUFENGLE



litle	09_POWER_MT6	357_IF	REV:	V10
DOCUMENT NO:	Design Name		Size	D
DEPARTMENT:	WINGTECH-SH	DESIGNER:	LIUFE	NGLEI
	ING	TEC	2	4
Date: Monda	April 08, 2019	Sheet 1	0 of	53

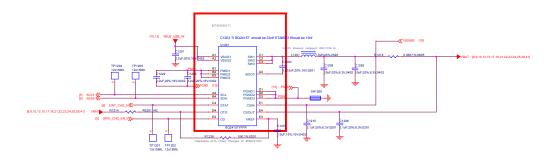








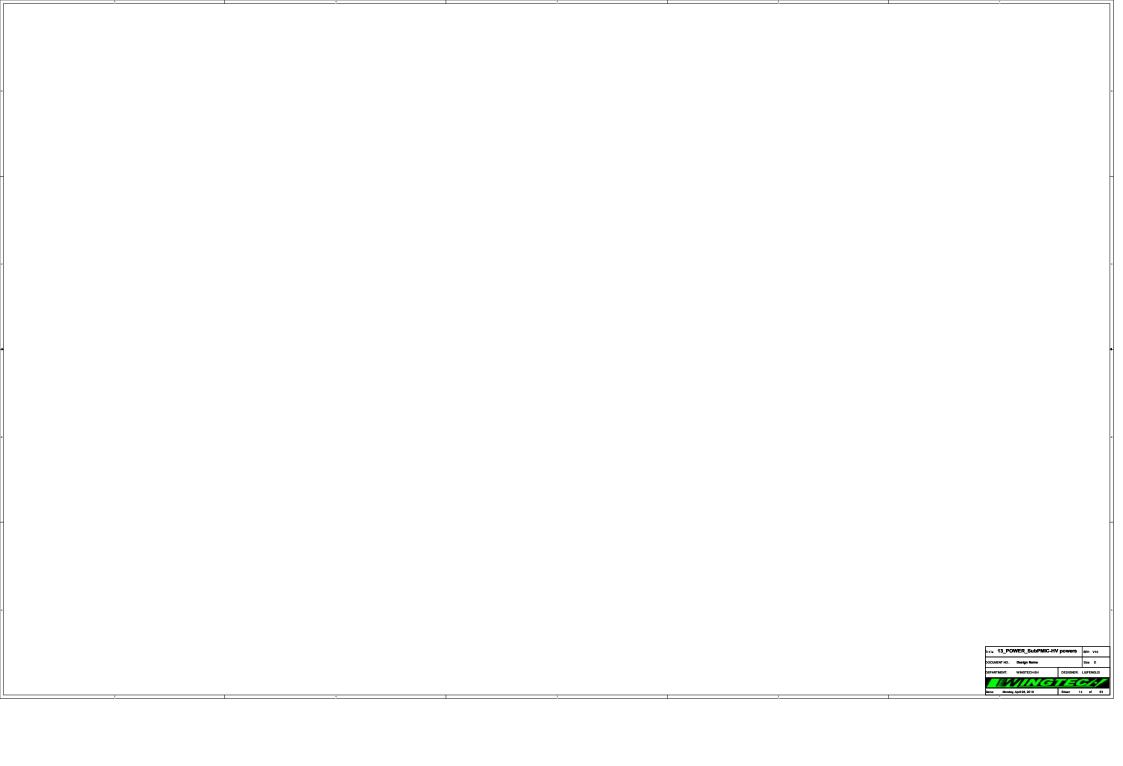
Surge VBUS: ±100V with Overvoltage Protection up to 29V DC Vovp=6.3V when R1207=511K R1208=120K +-3%



Schematic design notice of "26_POWER_SubPMIC-Charger + PP" page.

Note 26-1: For better ESD or surge performance we need choose suitable device for system protection. Please refer to [Surge device selection guide V2.0] provide by MTK.

fitle	12_POWER_SubF	MIC-C	hargé	**	P٢
DOCUMENT NO:	Design Name		Si	ze E	,
DEPARTMENT:	WINGTECH-SH	DESIGN	R: LIL	FENO	ŁEI
	ING	TE	0	Z	9
Date: Monda	y, April 08, 2019	Sheet	13	d	5





Ext. Bulk for VS2



NOTE: Do not use VCAMD 1.3/1.5/1.8 when VS2 BUCK applied

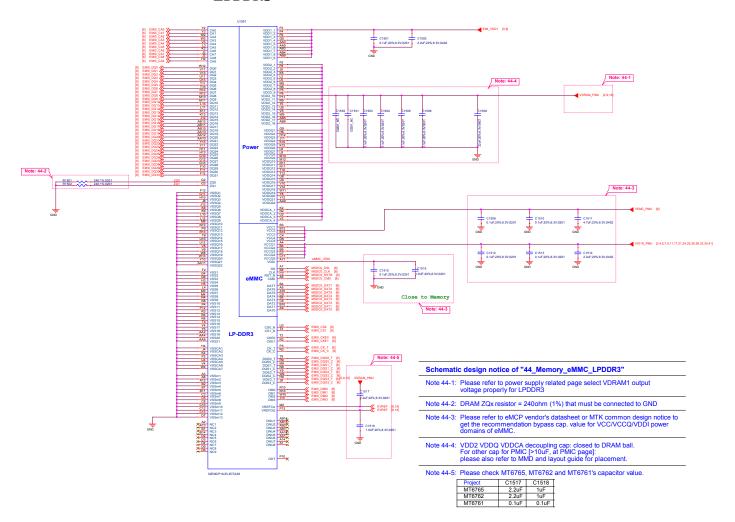
Schematic design notice of "28_POWER_ThirdParty-Power"

Note 28-1: VA12 Layout placement please close to AP

Note 28-2: VS2 Buck Layout placement please close to PMIC MT6357

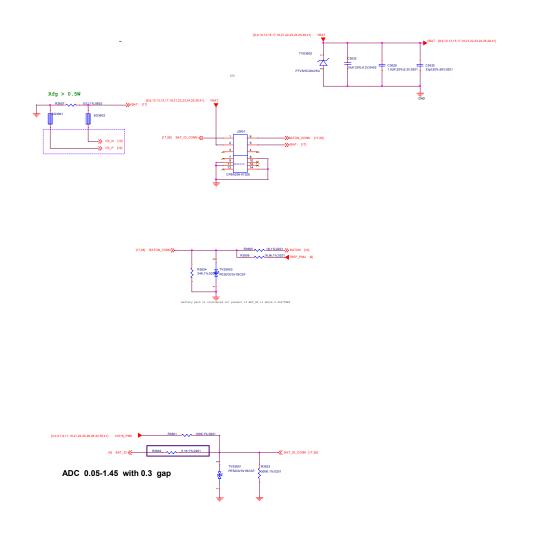
Note 28-3: VCN33 LDO Layout placement please close to MT6631

LPDDR3



	MC_LPDDR3REV: V10
Design Name	Size D
WINGTECH-SH	DESIGNER: YANGSHAOYUN
	Design Name

BATTERY CONNECTOR

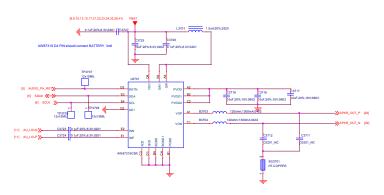




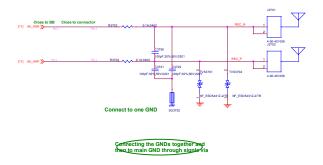




SPK

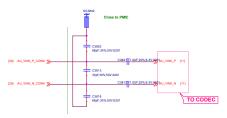


Receiver

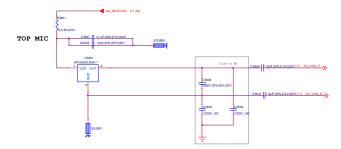




MAIN MIC main GND

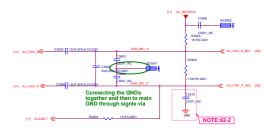


main GND



litle	38_MIC		REV:	V10
DOCUMENT NO:	Design Name		Size	D
DEPARTMENT:	WINGTECH-SH	DESIGNER:	LIUFE	NGLEI
	ING	TEC	2	4
Date: Monday	April 08, 2019	Sheet 1:	0 0	. 5





NOTE:62-1 R3911 R3912, BEAD6203, BEAD6204 and BEAD6205 needs changed to "BLM18BD102SN1" for high THD performance (-90dB) but this BOM change will results in FM RSSI 10dB degraded .

Note 62-2: Reserved Cap for CS/RS test, please double check multi-key function when used

fitle	39_Earphone		REV:	V10
DOCUMENT NO:	Design Name		Size	D
DEPARTMENT:	WINGTECH-SH	DESIGNER:	LIUFE	ICLEI
111	ING	11=0	2	4
Date: Monday	April 08, 2019	Sheet 2	o of	53

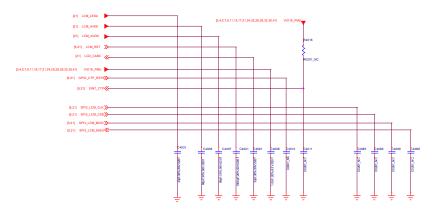
Note 62-1: Part # of BEAD6202, BEAD6203, BEAD6204 and BEAD6205 needs changed to "BLM18BD102SN1" for high THD performance (-90dB) but this BOM change will results in FM RSSI 10dB degraded .

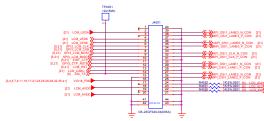
Note 62-2: Reserved Cap for CS/RS test, please double check multi-key function when used

Note 62-3:

Note 62-4. Places Sologt ACC Mode for Operator Project to Page Plactrical MOS Toot

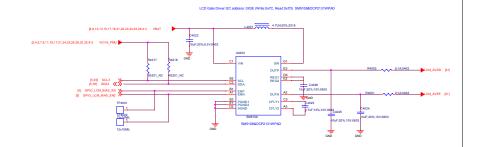
Common Mode Filter



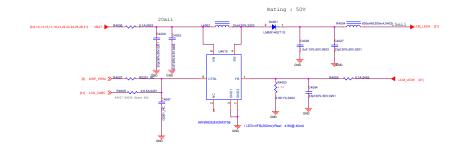




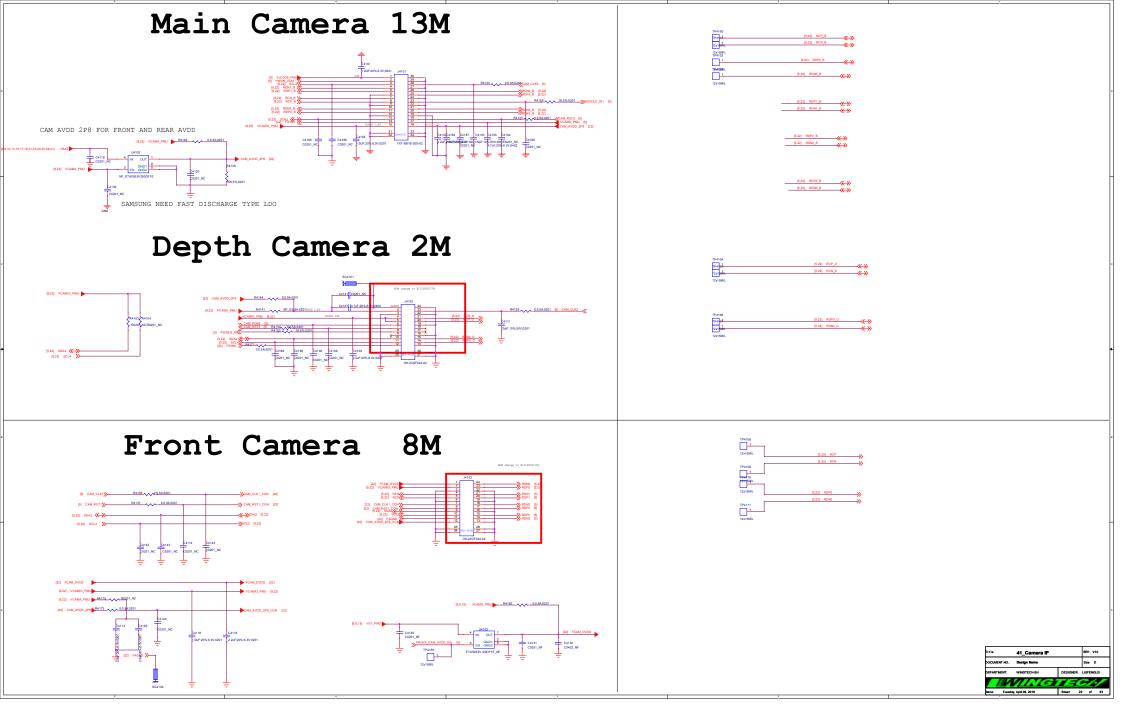


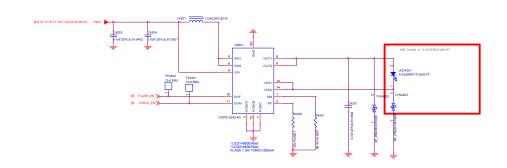


LCD Backlight LED Driver

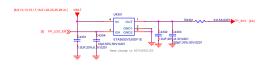


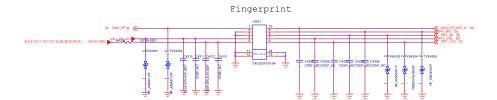






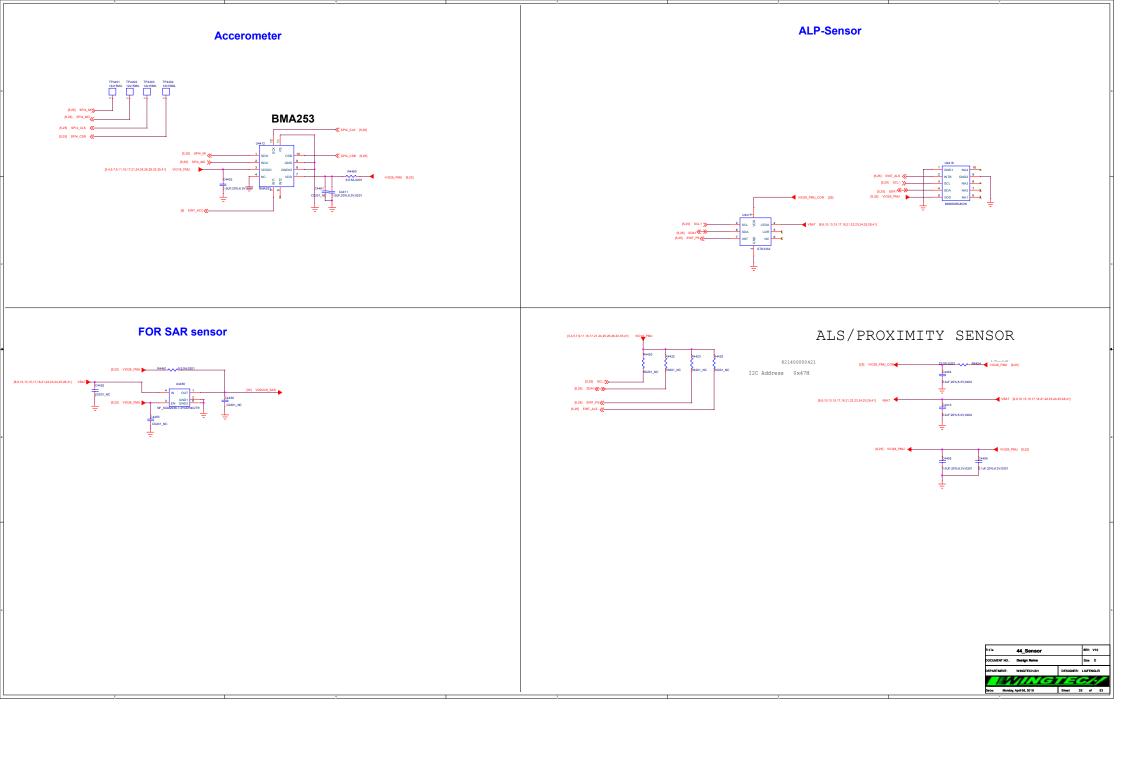
Title	42_Flash/RGB		8	EV: V	10
DOCUMENT NO.:	Design Name		8	ize I	,
DEPARTMENT:	WINGTECH-SH	DESIGNE	R: LI	UFENO	LEI
	ING	1/=	C	2	9
Date: Monday	, April 08, 2019	Sheet	23	of	5

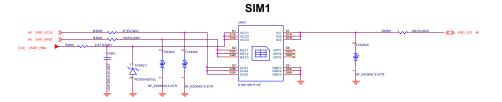


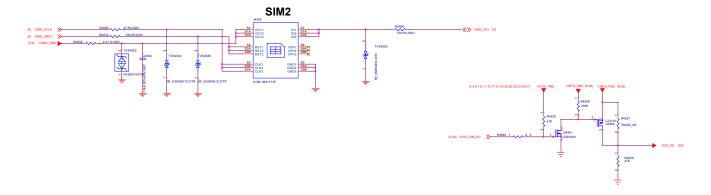


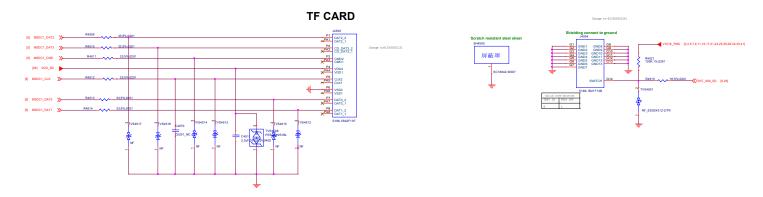
Fingerprint

fitle	43.Fingerprint		REV:	V10
DOCUMENT NO:	896116-1-13_MB_201904	19-1317	Size	D
DEPARTMENT:	Wingtech-8Z	DESIGNER:	DESIG	NER
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Date: Monda	v. April 08, 2019	Sheet 2		5



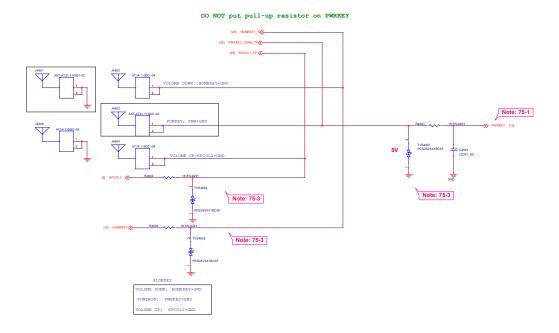






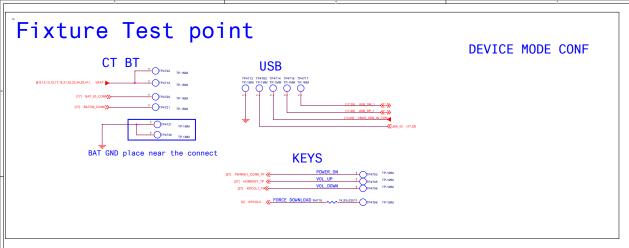
Title 45_SIM/TF IF			REV:	V10
DOCUMENT NO.:	Design Name		Size	D
DEPARTMENT:	WINGTECH-SH	DESIGNER:	LIUFE	NGLEI
	ING	11=0	2	6/
Date: 1 Monday	, April 08, 2019	Sheet 21		53

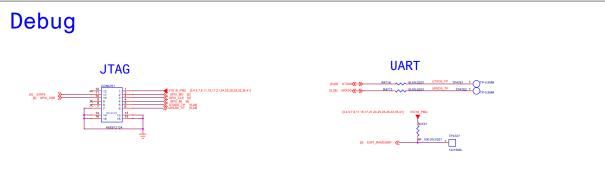
Power Key / Key Pad

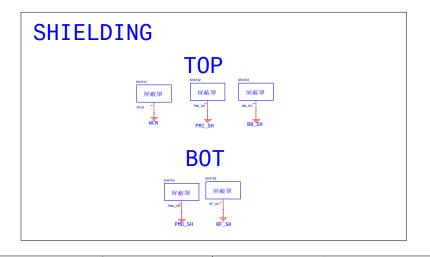


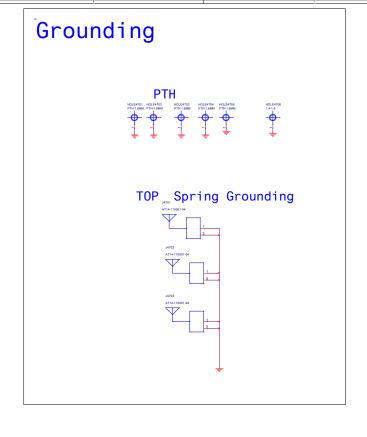
Note 75-1:DO NOT put pull-up resistor on PWRKEY Note 75-2: Volume Up:HOME KEY+GND Volume Down:KPCOL1+GND

litle	46_Sidekey		REV: V10
DOCUMENT NO:	Design Name		Size D
DEPARTMENT:	WINGTECH-SH	DESIGNER:	LIUFENGLEI
	MNG	WE T	2/./



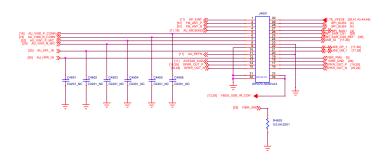




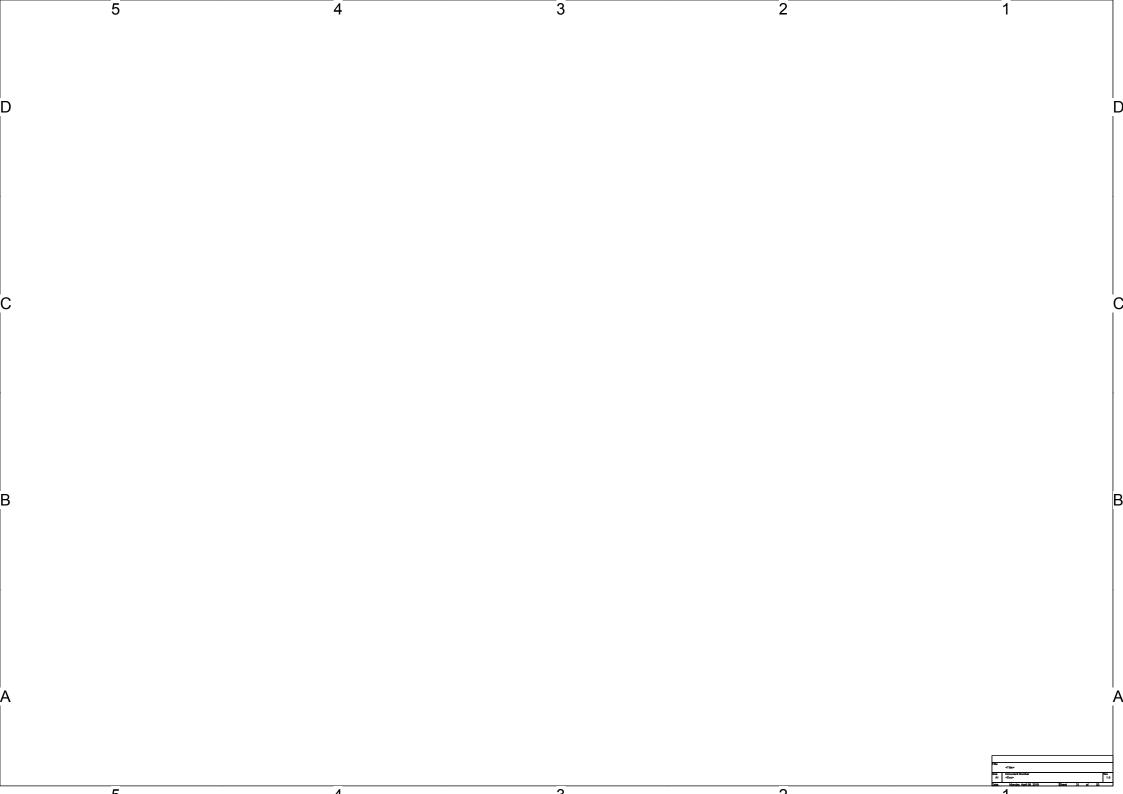


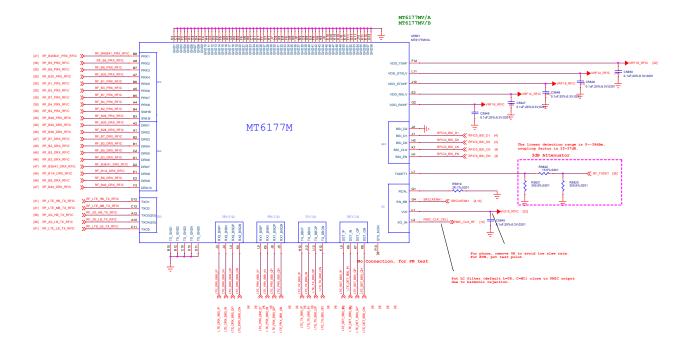


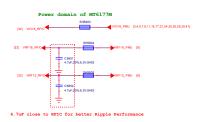




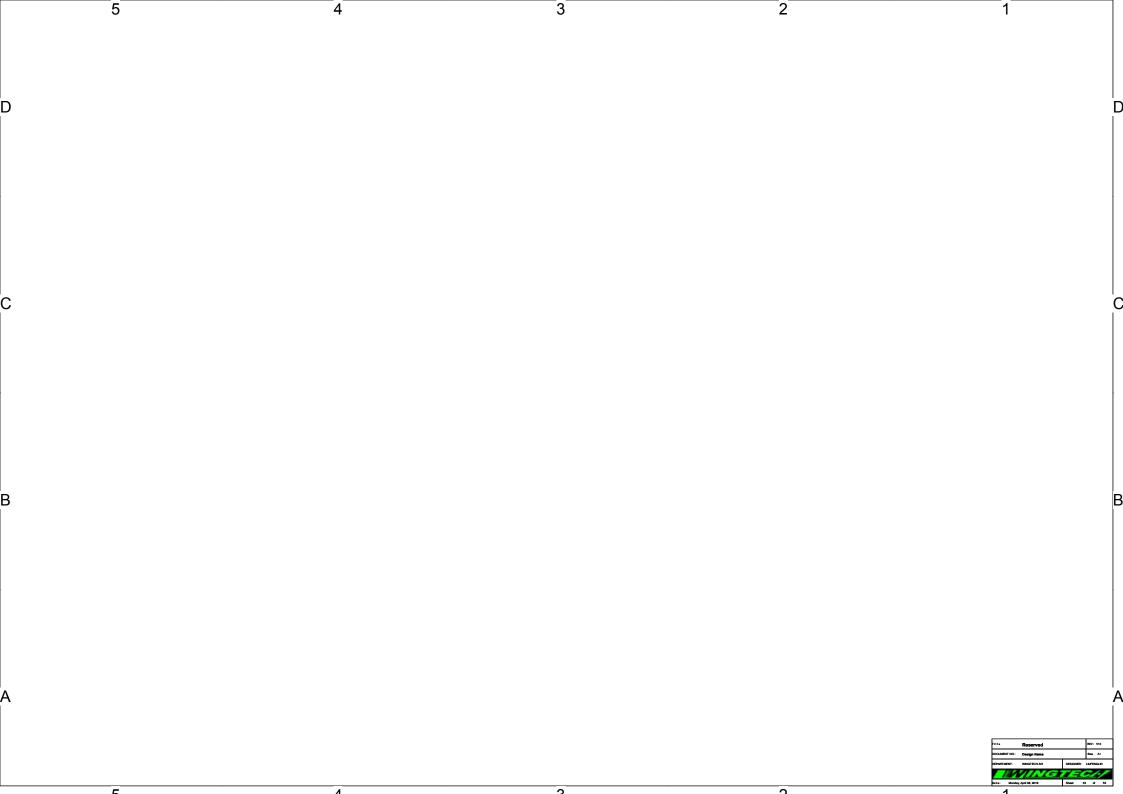
Title	48_Sub PCB IF		REV:	V10
DOCUMENT NO.:	Design Name		Size	D
DEPARTMENT:	IMENT: WINGTECH-SH DESIGNER:		LIUFEN	GLE
	ING	1170	2	4
Date: Monda	r, April 08, 2019	Sheet 2	o of	

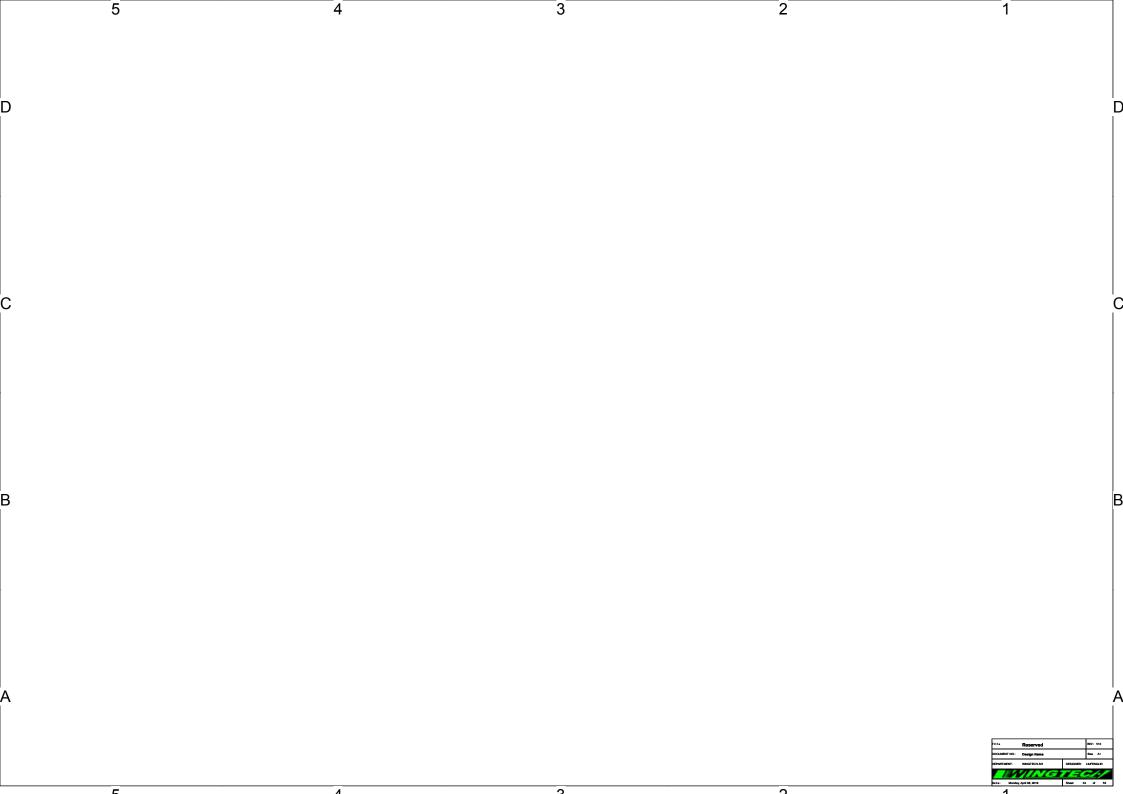


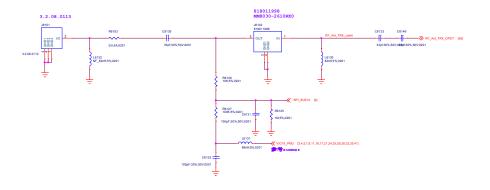


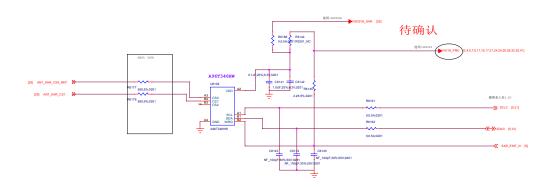












litle		REV:	REV: V10	
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