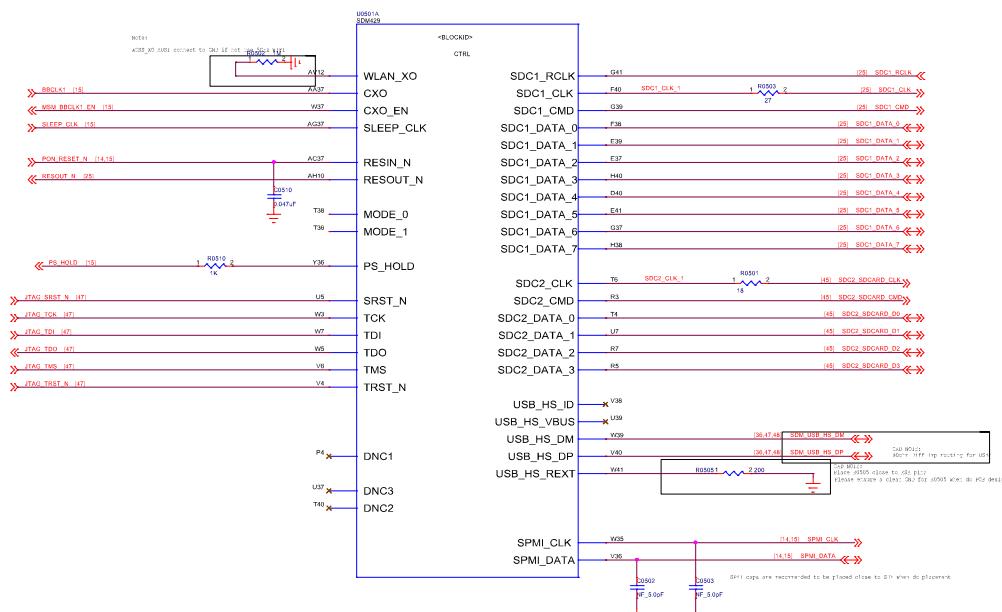


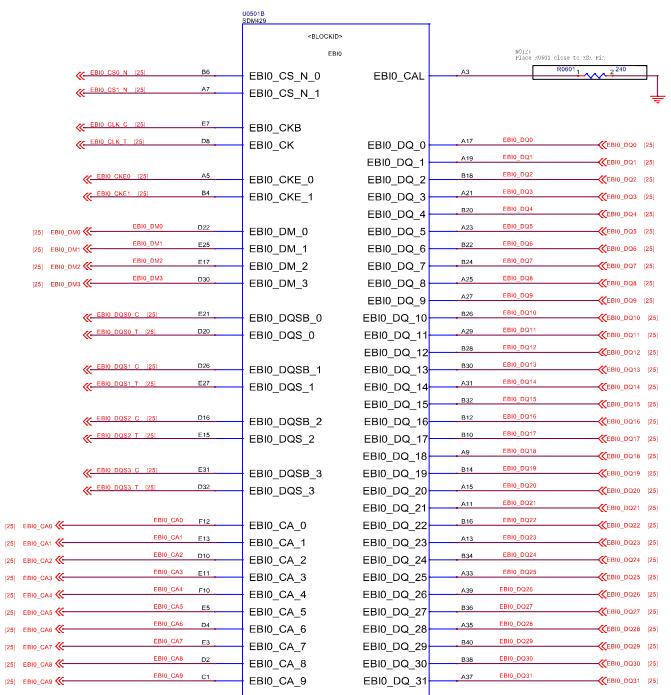
Title	03.Block Diagram	REV: V10
DOCUMENT NO.:	00024_1_12_SKU1_JN1 TA1164	Sheet 0
DEPARTMENT:	WingTech-SZ	DESIGNER: DESIGNER
Date:	Monday, March 25, 2019	Sheet 3 of 82

Block
Diagram



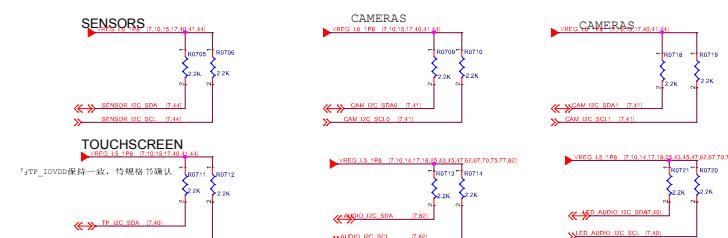
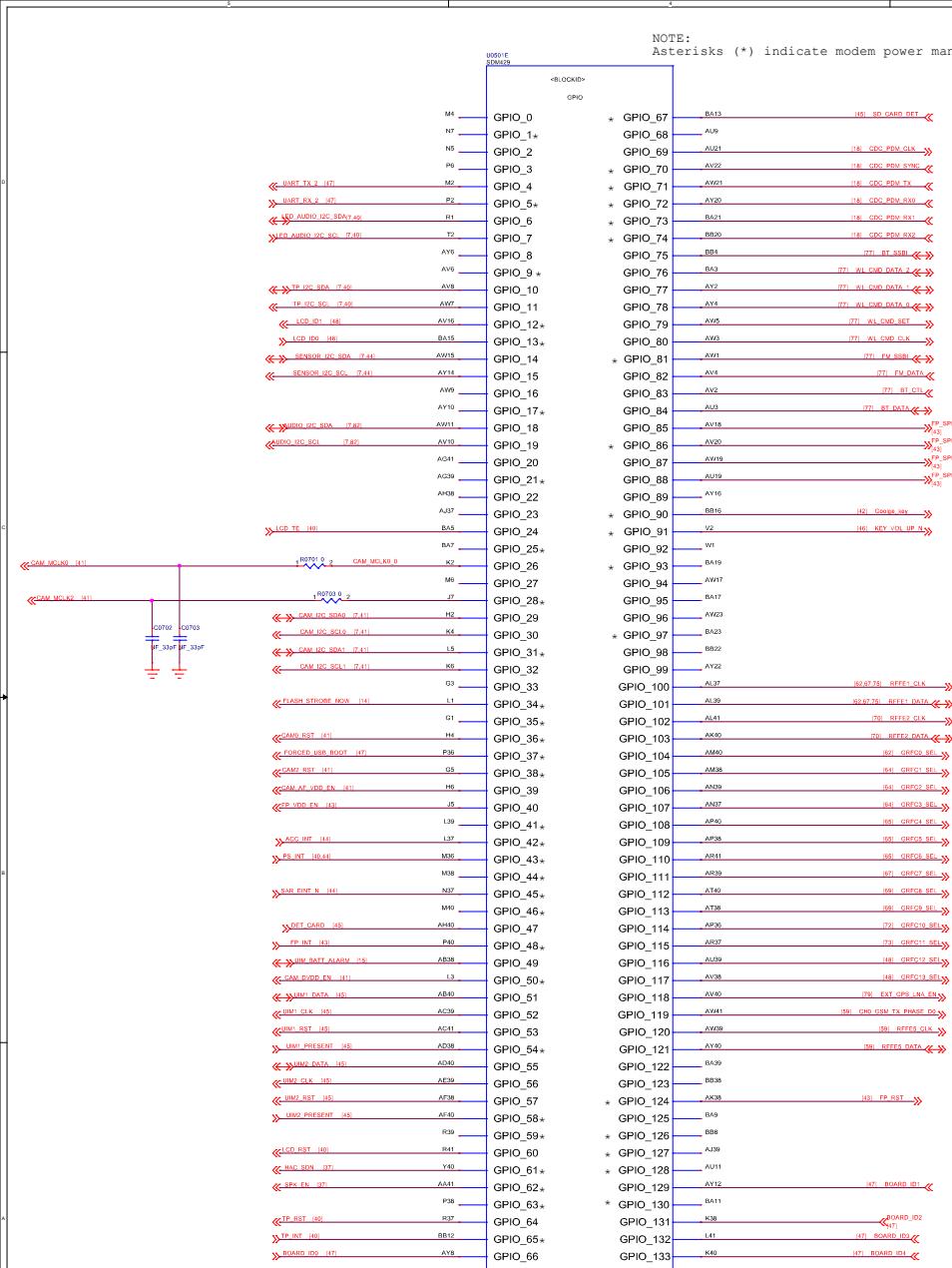
SDM429
Control

Title	05.SDM429	REV. V10
DOCUMENT NO.:	80826_1_12 SKUH_MA1 TA1164	Size D
DEPARTMENT:	WingTech-SZ	DESIGNER: DESIGNER
WINGTECH		Date: Monday, March 25, 2019
		Sheet 5 of 8



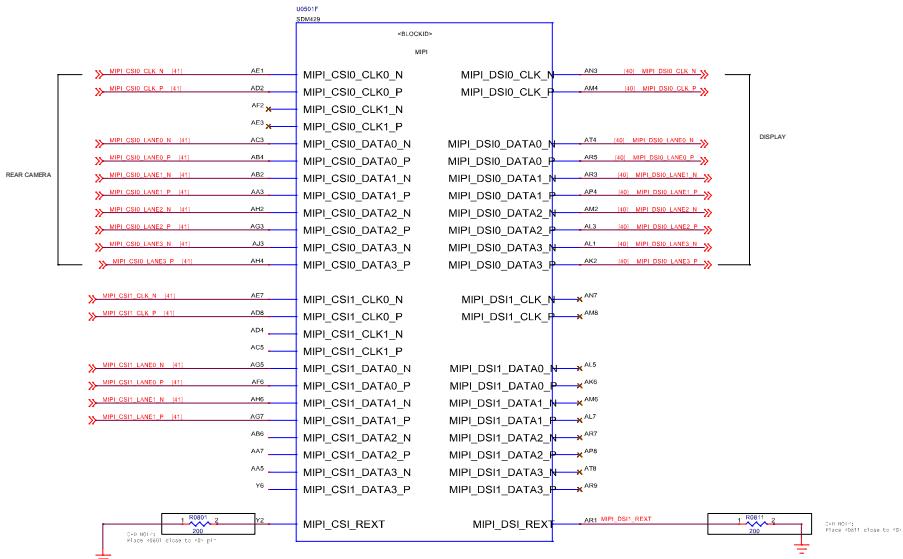
SDM429 EBI

06.SDM429 EBI		REV. V10
DOCUMENT NO.:	89028_1_12 SDM429_HAI TA1164	Sheet D
DEPARTMENT:	Wright-SZ	DESIGNER: DESIGNER
WINGTECH		Date: Monday, March 25, 2019 Sheet 8 of 82



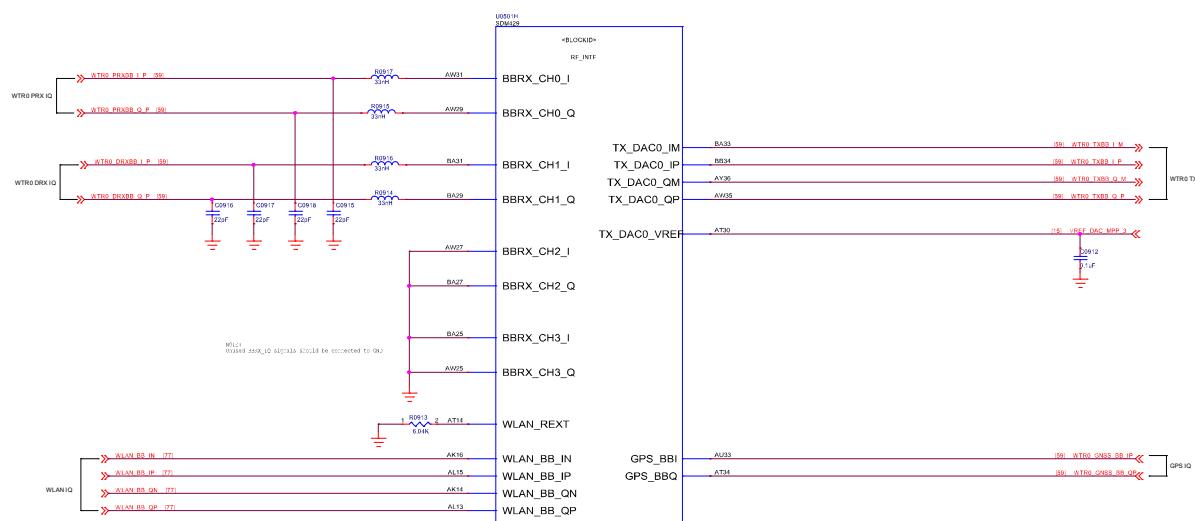
NOTE:
Ensure SW sets these GPIOs (Sensor, CTP and Camera I2C bus) to inout pull down when the peripherals are powered off to eliminate leakage.

Title	07.SDM429 GPIO	REV: V10	
DOCUMENT NO.:	89626_1_12_SKU1_HA1 TA1164	Size D	
DEPARTMENT:	WingTech-SZ	DESIGNER: DESIGNER	
WINGTECH			
Printed:	March 1st, 2016	Drawn:	Team 11 - 09



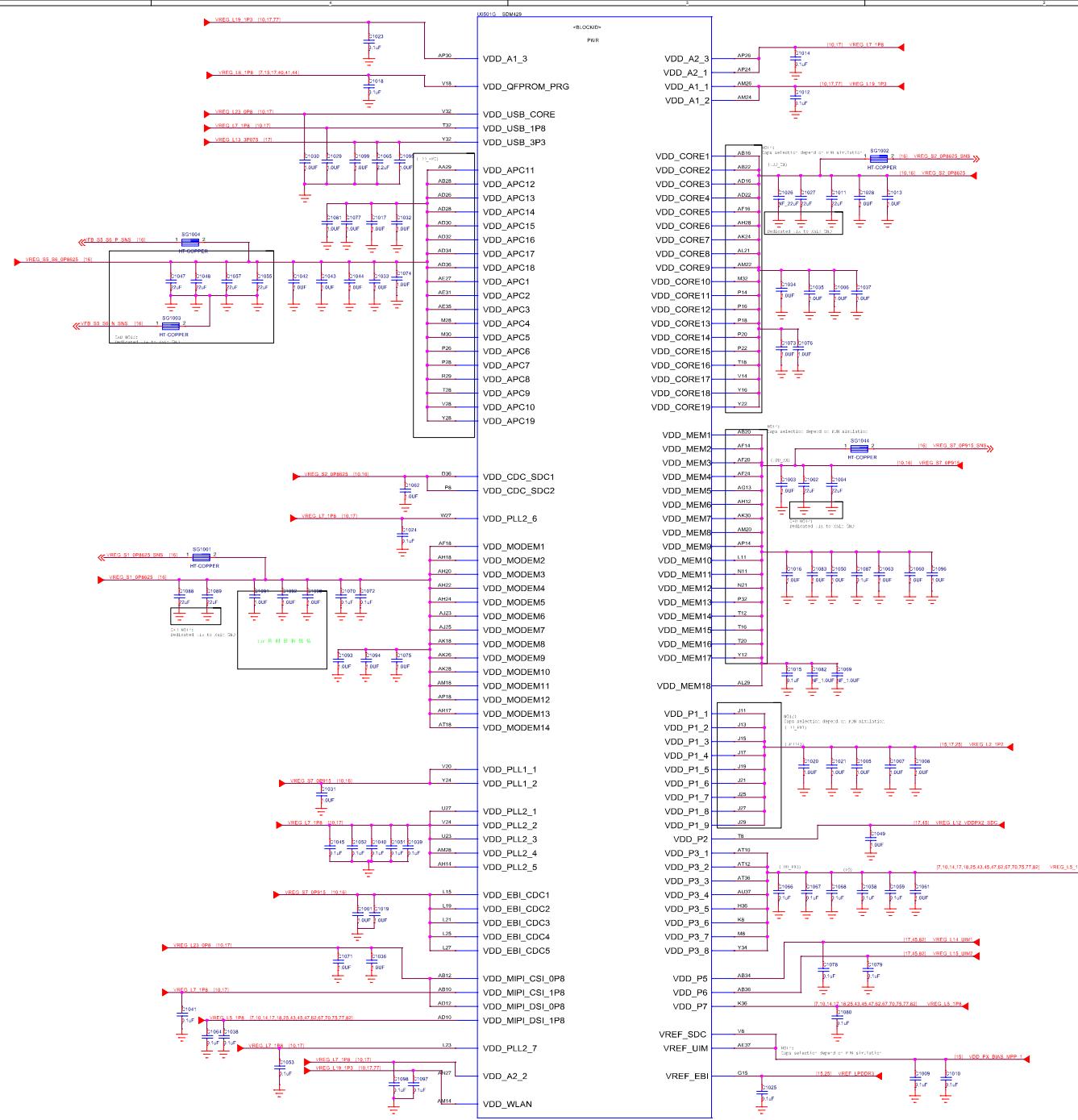
SDM429 MIPI

Title	08.SDM429 MIPI	REV: V10
DOCUMENT NO.:	08024_1_12_SKU1_HA1 TA1164	Sheet D
DEPARTMENT:	WingTech-SZ	DESIGNER: DESIGNER
	WINGTECH	Date: Monday, March 25, 2019



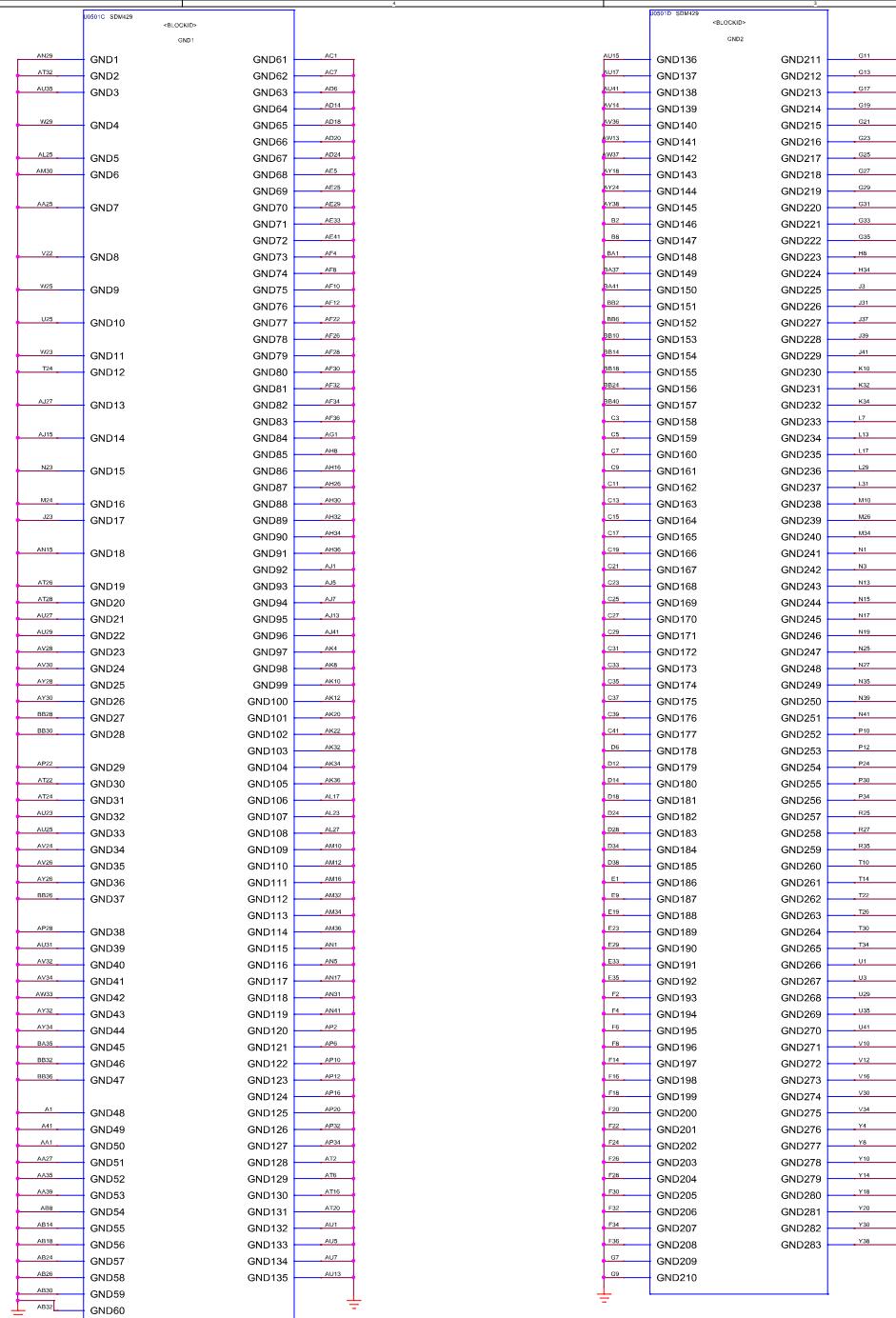
SDM429 RF

Title	09.SDM429 RF	REV: V10
DOCUMENT NO:	89626_1_12 SKU# HA1 TA1164	Size D
DEPARTMENT:	Wingtech-SZ	DESIGNER: DESIGNER
WINGTECH		
Date:	Monday, March 25, 2019	Sheet 9 of 6



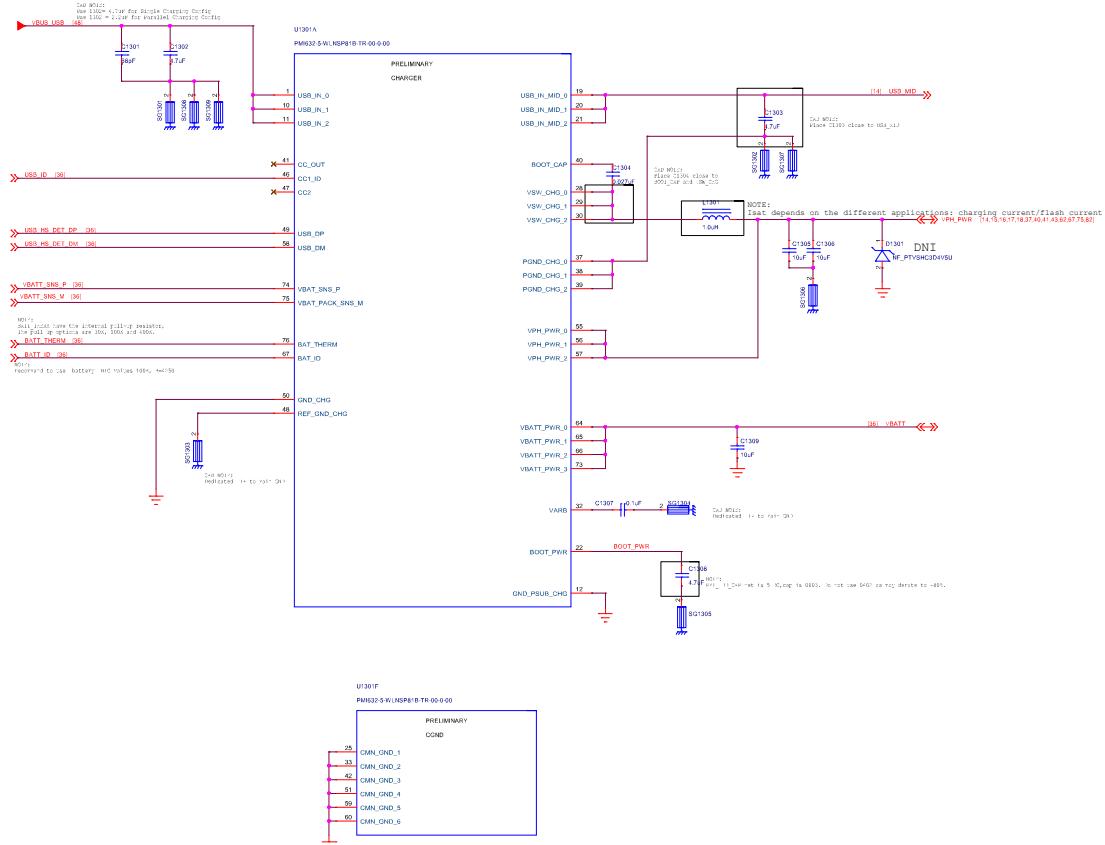
SDM429
POWER1

Title:	10.SDM429 POWER1	REV: V10
DOCUMENT NO.:	89626_1_12_SKU1_H41 TA1164	Size: D
DEPARTMENT:	Wingtech-SZ	DESIGNER: DESIGNER
WINGTECH		
Date:	Monday, March 25, 2019	Sheet 10 of 82



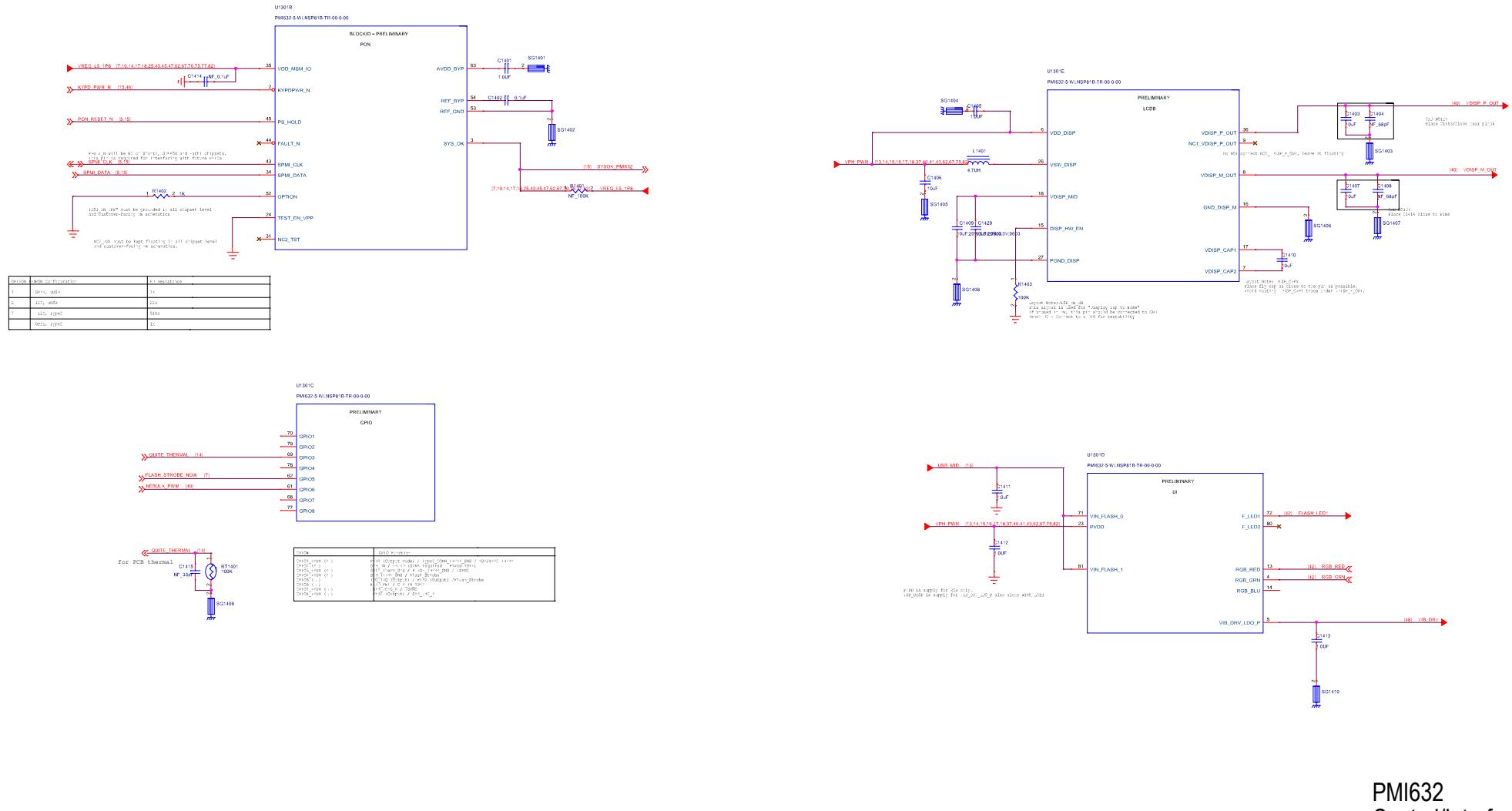
SDM429
GND

Title	12.8DM429 GND	REV: V10
DOCUMENT NO.:	88265_1_12_SKU1_MA1 TA1164	Size D
DEPARTMENT:	Wingtech-SZ	DESIGNER: DESIGNER
		
Date:	Monday, March 25, 2019	Sheet 12 of 82



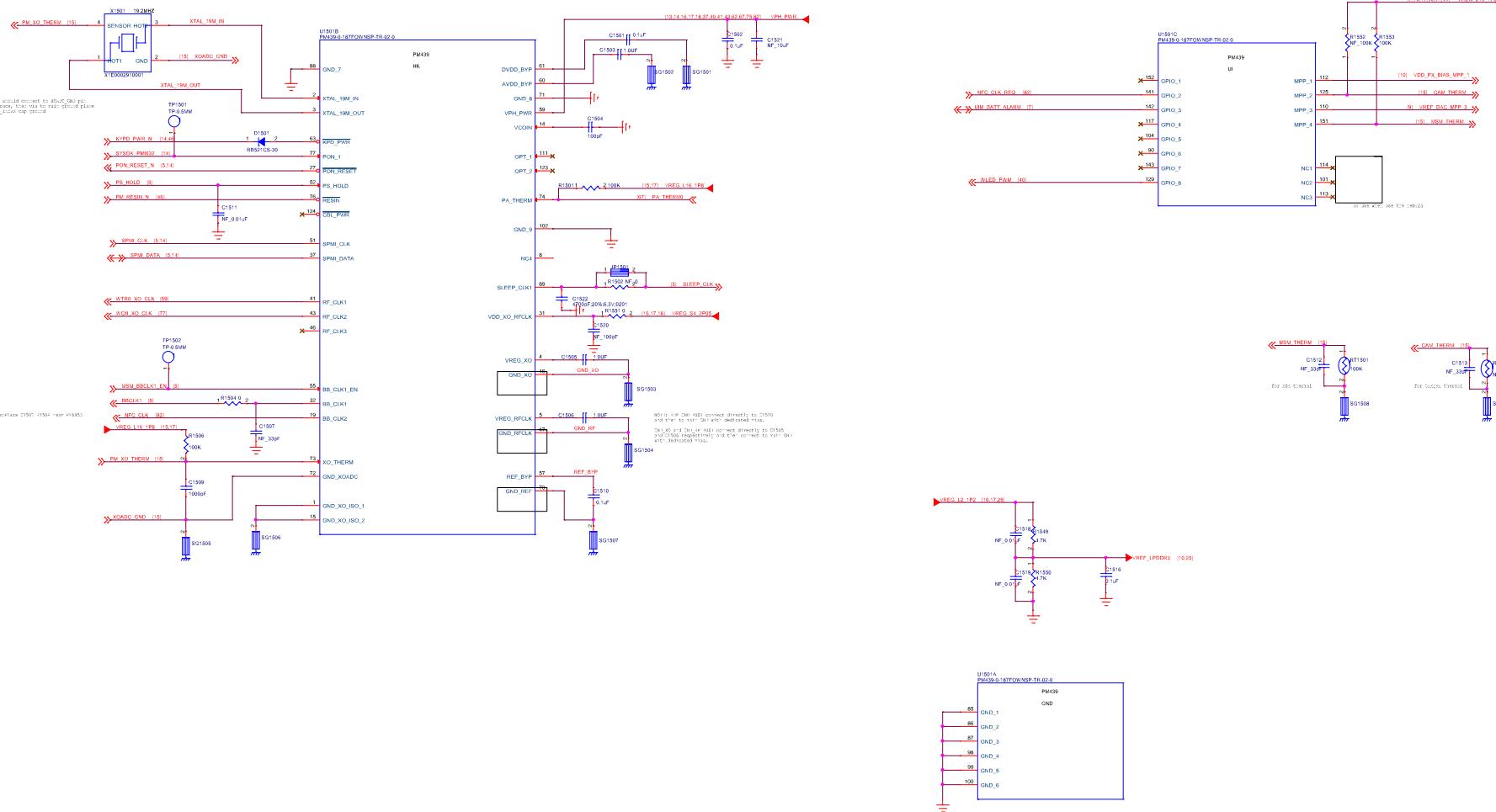
PMI632 Charger

Title	13.PMI632 Charger	REV: Y10
DOCUMENT NO.:	80826_L12_SKHU_MA1 TA1164	Size D
DEPARTMENT:	WingTech-SZ	DESIGNER: DESIGNER
		
Date:	Monday, March 25, 2019	Sheet 13 of 82



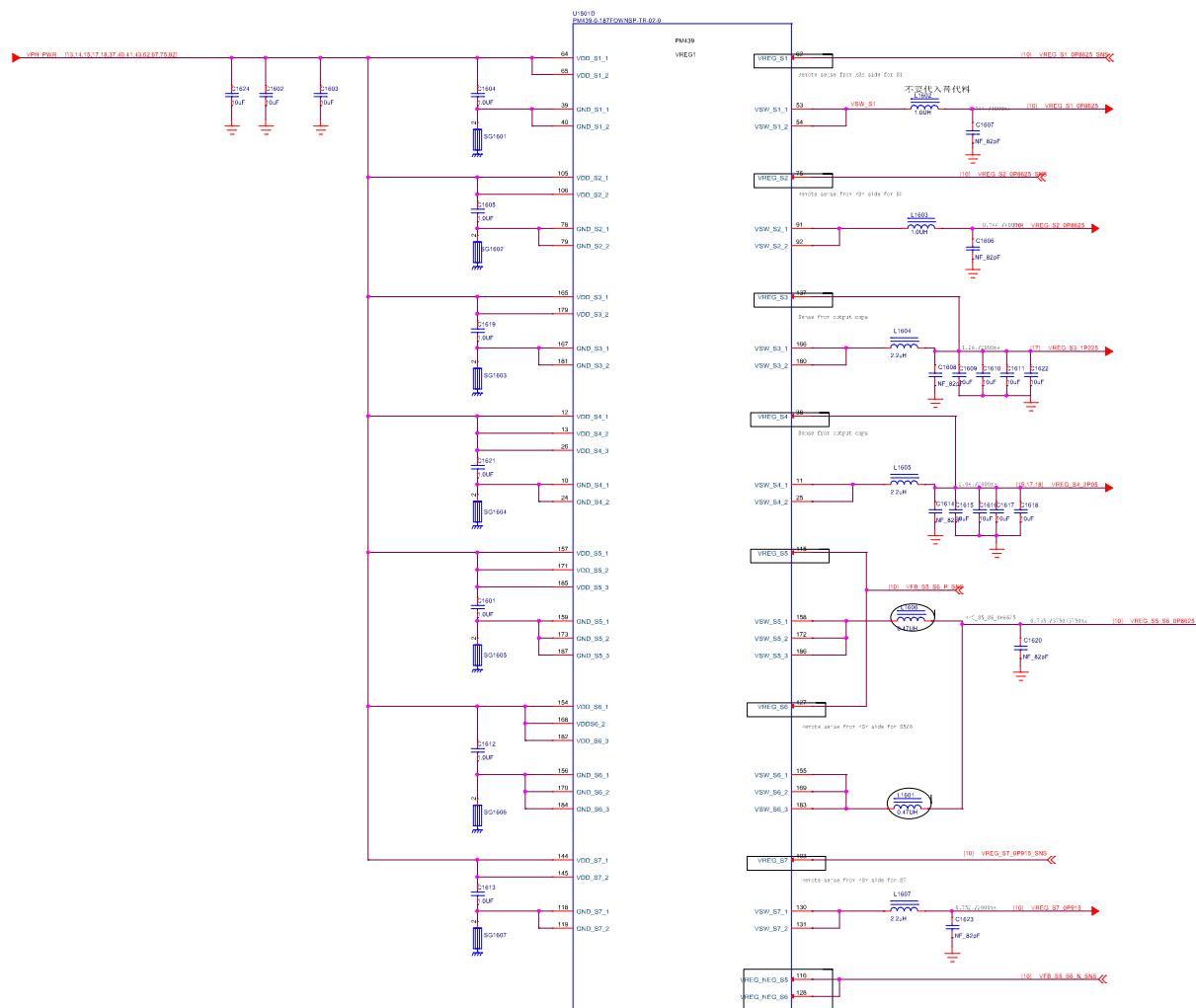
PMI632
Control/Interface

Title	14.PMI632 Control/Interface	REV: V10
DOCUMENT NO.:	80826_1_12_SKUH_NAK TA1164	Size: D
DEPARTMENT:	Wingtech-SZ	DESIGNER: DESIGNER
WINGTECH		
Date:	Monday, March 25, 2019	Sheet 14 of 18



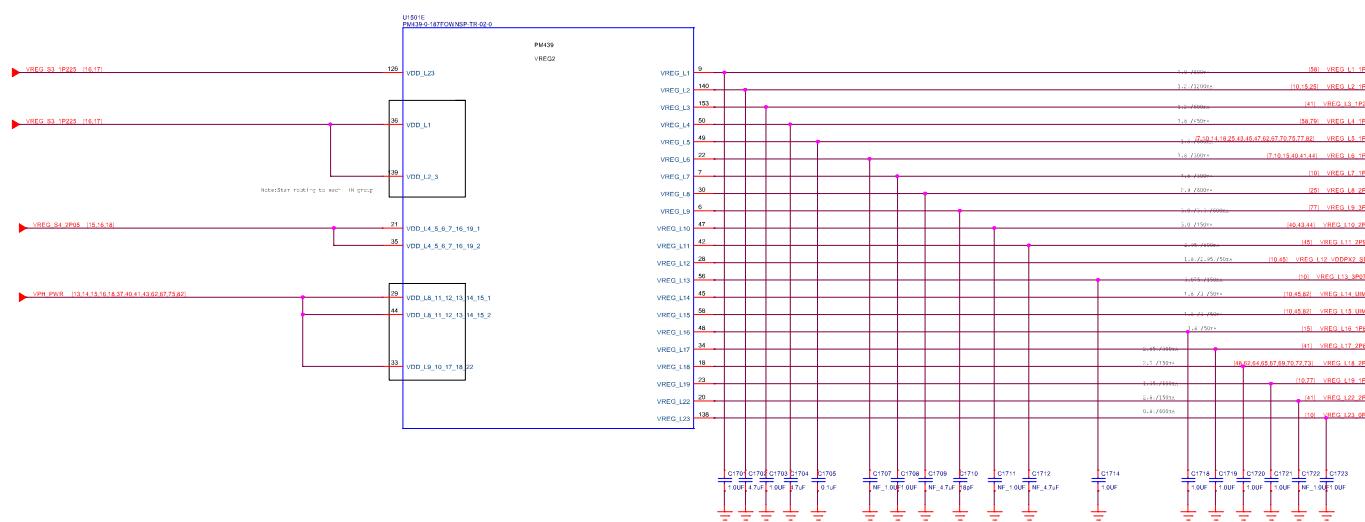
PM439
Control/Interface

Title: 15.PM439 Control/Interface		REV: V10
DOCUMENT NO.:	80024_1_12_SKUI_HAI TA1164	Sheet: D
DEPARTMENT:	DEPARTMENT	DESIGNER: DESIGNER
WINGTECH		Date: Monday, March 25, 2019



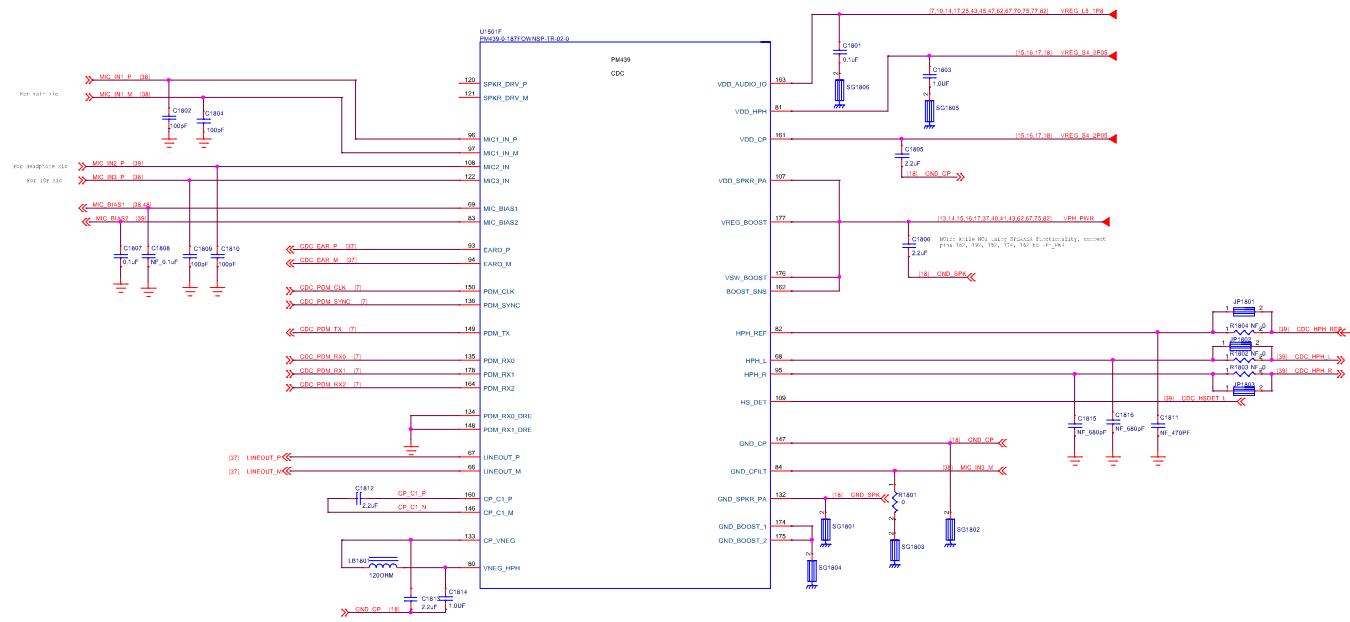
PM439 SMPS

Title	16.PM439 SMPS	REV: V10
DOCUMENT NO:	89626_1_12_SKU1_NA1 TA1164	Spec D
DEPARTMENT:	Wingtech-SZ	DESIGNER: DESIGNER
WINGTECH		
Date:	Monday, March 25, 2019	Sheet 18 of 8



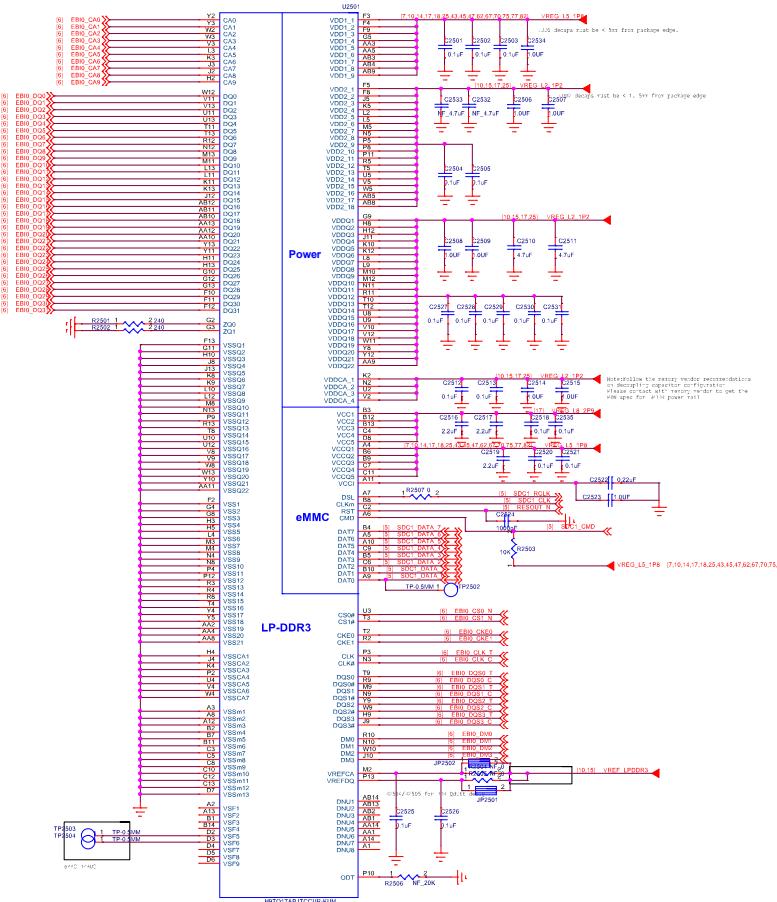
PM439
LDO

Title	17.PM439 LDO	REV: Y10
DOCUMENT NO:	80826_1_L2 SKUH_MA1 TA1164	Size D
DEPARTMENT:	Wingtech-SZ	DESIGNER: DESIGNER
WINGTECH		
Date:	Monday, March 25, 2019	Sheet 17 of 1



PM439 CODEC/Audio
PA

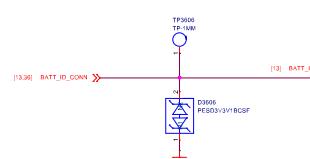
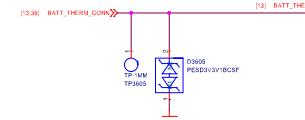
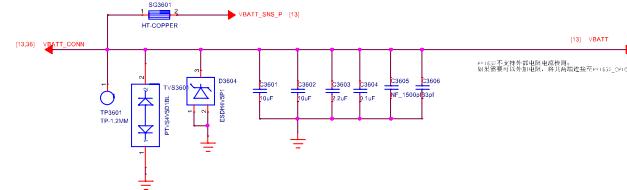
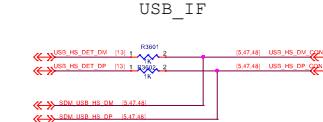
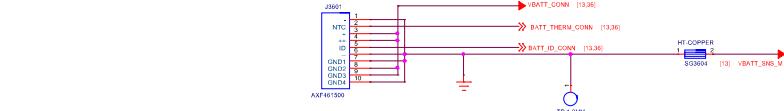
Title: 18.PM439 CODEC/Audio PA		REV: V10
DOCUMENT NO.: 89626_1_12 SKU1_HA1 TA1164		Size: D
DEPARTMENT:	DEPARTMENT	DESIGNER: DESIGNER
WINGTECH		
Date: Monday, March 25, 2019	Sheet 18	of 8



MEMORY(LPDDR3+EMMC V5.1)

Title	25.eMCP	REV: V10
DOCUMENT NO.:	89626_1_12_SKUH_MA1 TA1164	Size D
DEPARTMENT:	Wingtech-SZ	DESIGNER: DESIGNER
WINGTECH		
Date:	Monday, June 25, 2018	Sheet: 25 of 80

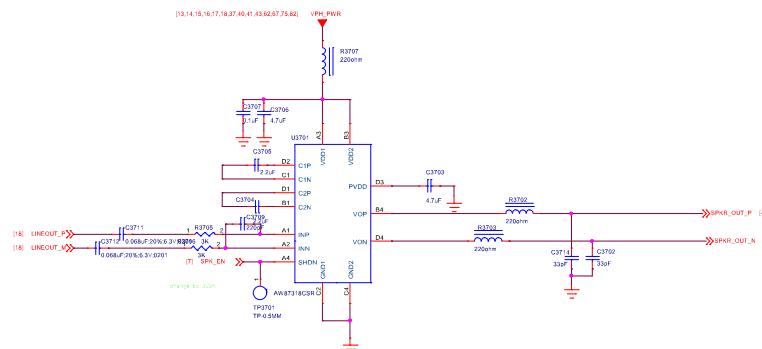
Battery Connector



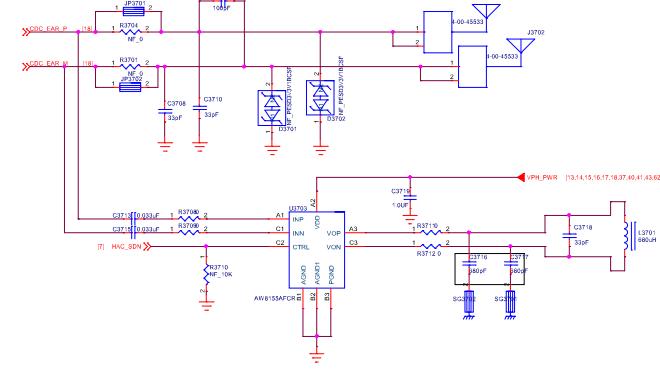
Battery/USB IF

Title	36.Battery/USB IF	REV: V10
DOCUMENT NO.:	89826_1_12_SKUH_HA1 TA1164	Size D
DEPARTMENT:	Wingtech-SZ	DESIGNER: DESIGNER
WINGTECH		
Date:	Monday, March 25, 2019	Sheet 38 of 8

AUDIO PA



RECEIVER

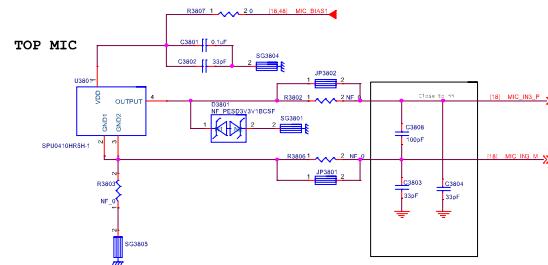


AW8155 FOR HAC

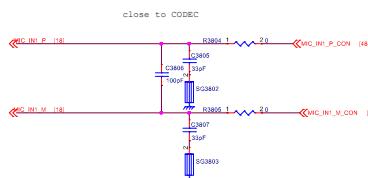
SPK/Receiver/Vibrator

Title:	SPK/Receiver/Vibrator	REV:	V10
DOCUMENT NO.:	80024_1_12_SKUI_HA1 TA1164	Spec:	D
DEPARTMENT:	WingTech-SZ	DESIGNER:	DESIGNER
WINGTECH		Date:	Monday, March 25, 2019

Mic2



Mic1



MIC

Title	38.MIC	REV: V10
DOCUMENT NO:	88824_1_12_SKUI_HAI TA1164	Sheet D
DEPARTMENT:	WingTech-SZ	DESIGNER: DESIGNER
	Monday, March 25, 2019	Sheet 38 of 62