M101 MARKPOINT M102 MARKPOINT M103 MARKPOINT M104 MARKPOINT

[7] USB_DMT
[7] USB_DPT
[2] URXD1
[2] UTXD1
[3,7] PWR_KEY
[2,3,4,5,6,7] GND
[1,3,4,5,6,7] VBAT
[2,7] KCOL0

GSM850:824-849MHZ(TX),869-894MHZ(RX)
PCS1900:1850-1910MHZ(TX),1930-1990MHZ(RX)

[2] VAPC R102 10k R104 27k C105 47pF
[1] PA_EN R103 1k C106 22pF
R109 1k CTL0 [1]
R110 1k CTL1 [1]
R111 1k CTL2 [1]
C109 22pF C108 22pF C107 22pF

ANT101 ANTENNA GND ANT102 ANTGND
T101 RFTEST
R101 0R(NC)
J101 MM8430-2610 OUT IN GND1 GND2 GND3 GND4
L101 0R C101 NC C102 NC L102 NC C103 1.8nH C104 0R L103 NC

trace as wide as possible
close to pin23/24 C113 11nF C112 18pF C111 100pF C110 47uF CAP-A VBAT [1,3,4,5,6,7]
Outside the shielding

U101 RDA6232
7XEN 19 RAMP 18 CTRL0 20 CTRL1 21 CTRL2 22 VCC1 23 VCC2 24
ANT 2 GND 1,6,7,8,9,10,11,12,13,14,15 GSMIN 16 DCSIN 17 NC 28 NC 29 NC 30
RX4 28 RX3 27 RX2 26 RX1 25 GND0 32 GND1 31

L116 22nH L117 22nH
GSMIN C114 100pF
DCSIN C115 100pF

C116 22pF C118 22pF C119 22pF C121 22pF

C122 NC C123 NC C124 NC C125 NC

F101 SAFEA881MFL0F00 IN GND GND GND OUT1 OUT0
L104 1.5nH L105 1.5nH L106 1.2nH L107 1.2nH
C126 3.9pF L108 NC C127 3.9pF L109 3.9nH
C128 3.9pF L110 NC C129 3.9pF L111 3.9nH
F102 SAW1814 DCS-IN GSM-IN GND GND GND GND DCS-OUT1 DCS-OUT2 GSM-OUT1 GSM-OUT2
C130 5.6pF L112 NC C131 5.6pF L113 15nH
F103 SAFEA881MFL0F00 IN GND GND GND OUT0 OUT1
C132 5.6pF L114 NC C133 5.6pF L115 15nH

[1] VRF_1
[1] VRF_2
Close to AVDD28_RF1
R106 0R R105 0R VRF [3]
Close to AVDD28_RF2
C135 18pF C134 5.6pF

U201-D
[1] CTL0 [1] CTL2 [1] CTL1 [1] PA_EN GPIO28_ATV_LDO_CE
L23 M23 L22 N22 M22 BPI_BUS0 BPI_BUS1 BPI_BUS2 BPI_BUS3 BPI_BUS4
A16 A17 TXO_HB TXO_LB
B18 A18 B19 A19 B20 A20 A21 B21 PCS1900_P PCS1900_N DCS1800_P DCS1800_N GSM900_P GSM900_N GSM850_P GSM850_N
G21 F22 G19 G20 TP4 TP3 TP2 TP1
MT6252
AVDD28_RF1 AVDD28_RF2 AVDD28_TCXO AVDD28_RFD XTAL XTAL_GND FREF GND_RF
C17 E21 E22 H20 J21 G23 H22 J22 D17 D19 D21 E19 F19 F18 G17 H17 H18 J17 J18 D20 K17 K18
VRF_1 [1] VRF_2 [1]
C136 1uF R107 0R VTCXO_53 [3]
R108 0R VIO [2,3,4,6,7]
C137 1uF
U103 CX3225B HOT GND GND HOT
C138 1nF BT_SCLK [4]
C139 18pF
Please noticed to add this 18pF capacitor.
Outside of shielding case
Close BT
Connect to mian GND
Please don`t connect to any ground on surface
Close to AVDD28_RF1

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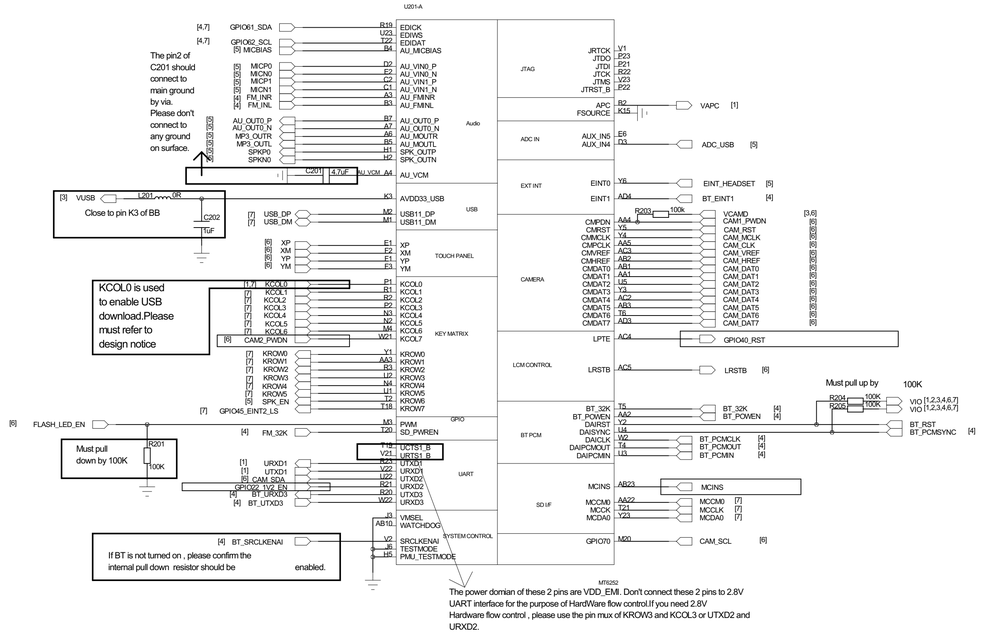
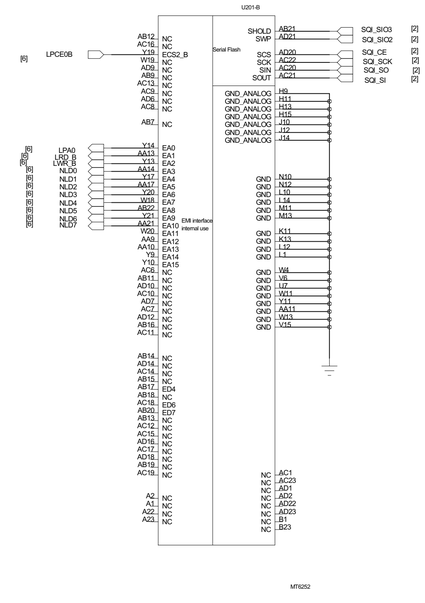
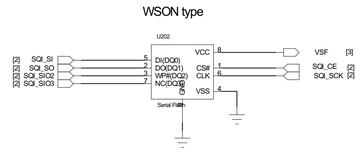
CHECKED: <Checked By>	DATED: <Checked Date>	TITLE: GIO+X2	
QUALITY CONTROL: <QC By>	DATED: <QC Date>	TJ CODE: <Code>	REV: V40
RELEASED: <Released By>	DATED: <Release Date>	SIZE: A1	SHEET: 1 OF 10





Memory



SHOLD : SIO3
SWP : SIO2
SOUT : SQI_SI : DQ0
SIN : SQI_SO : DQ1

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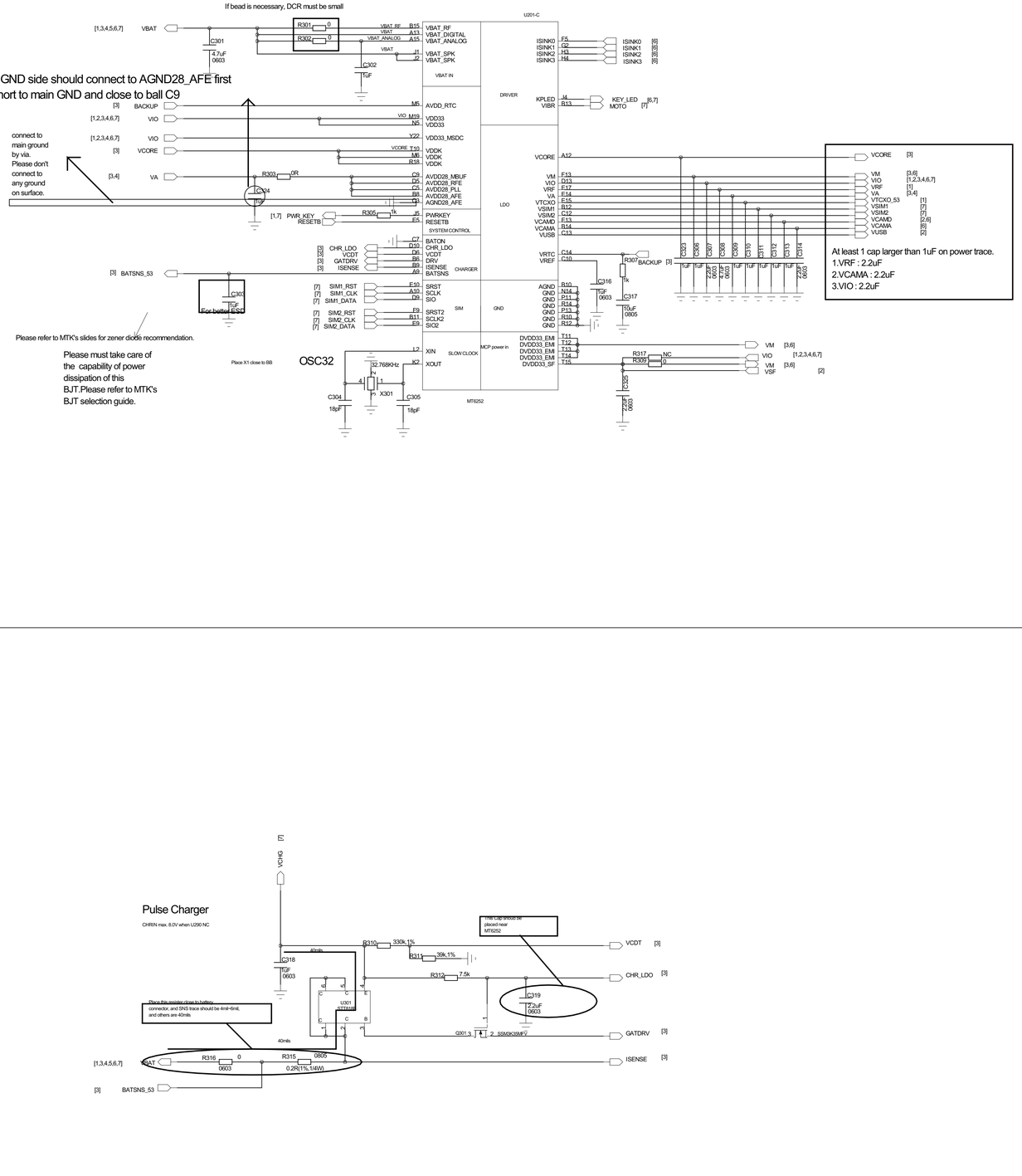
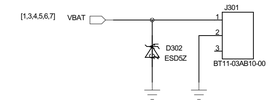
BB PMU



Battery Connectors



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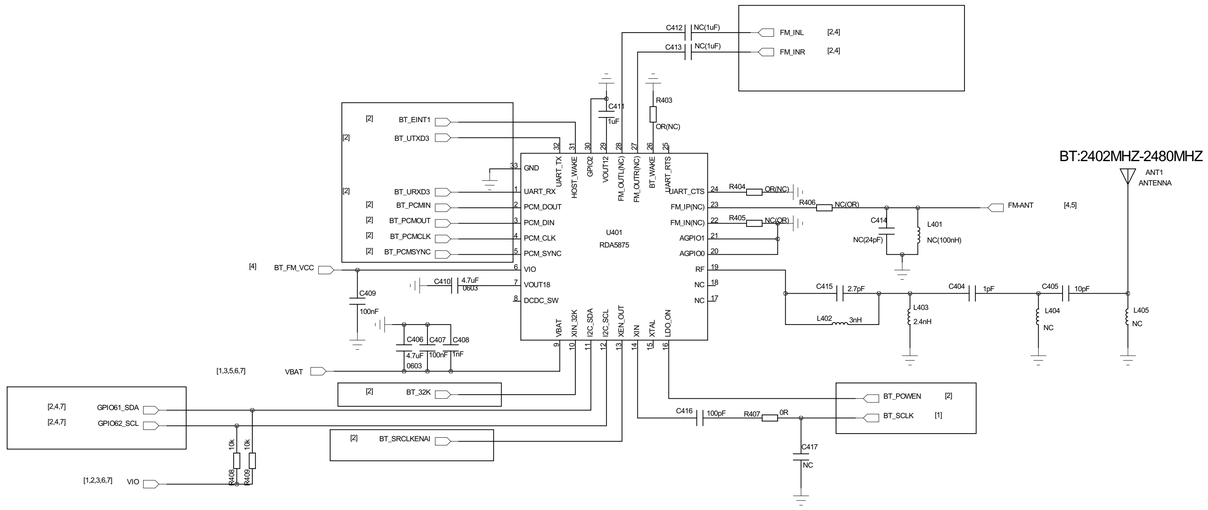
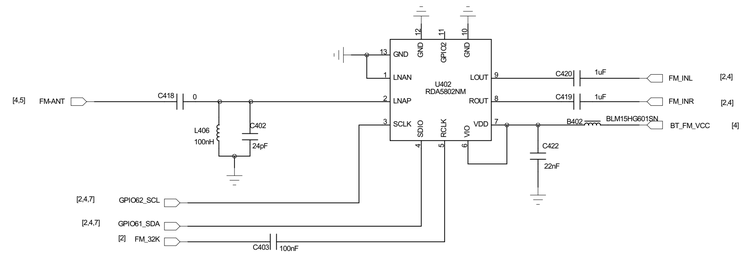
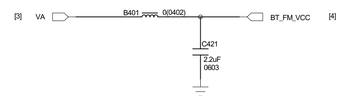
BlueTooth

BT/FM



FM Radio





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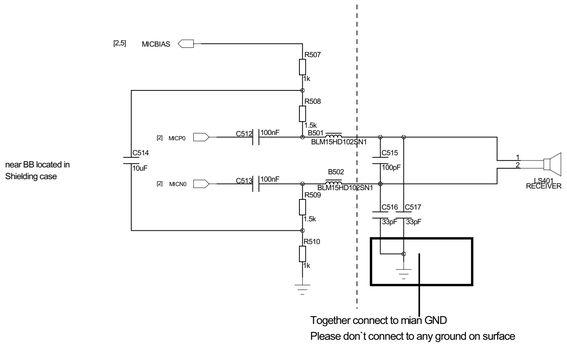
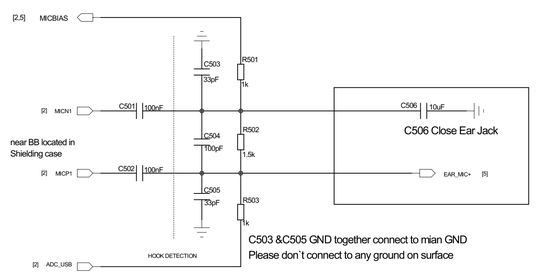
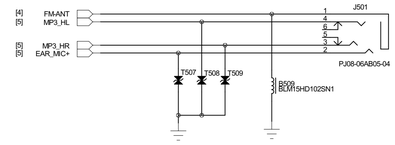
Normal Micophone



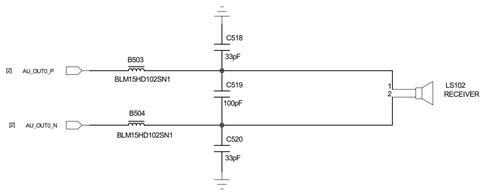
Earphone Microphone



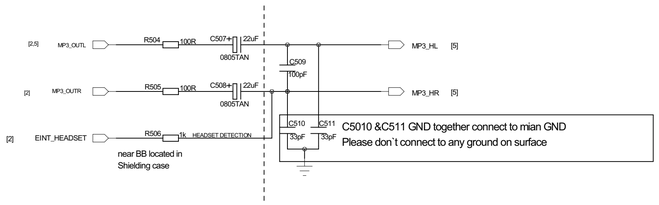
Ear JACK



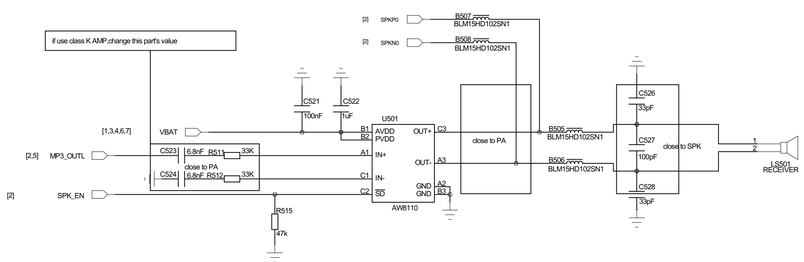
Normal Receiver



Earphone Receiver



Audio Amplifier & Speaker



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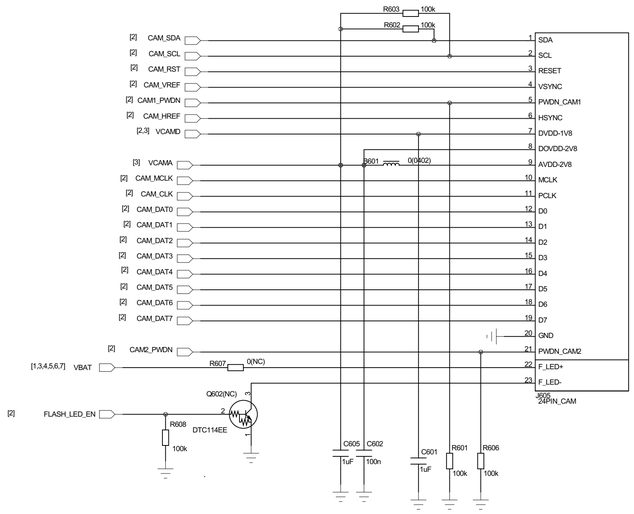
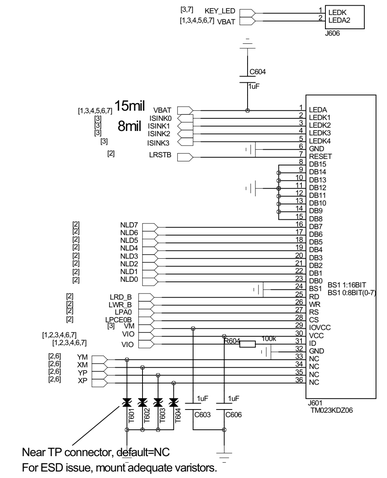
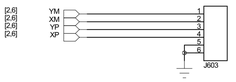
RELEASED: <Released By>	DATED: <Release Date>	SIZE: A1	SHEET: 5F 10

Main Camera





Near TP connector, default=NC
For ESD issue, mount adequate varistors.



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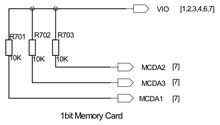
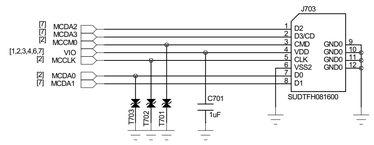
RELEASED: <Released By>	DATED: <Release Date>	SIZE: A1	SHEET: 6 OF 10

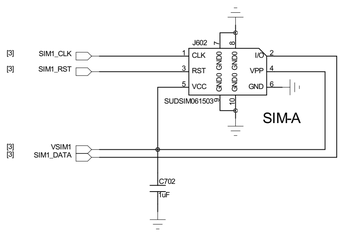
TFCard

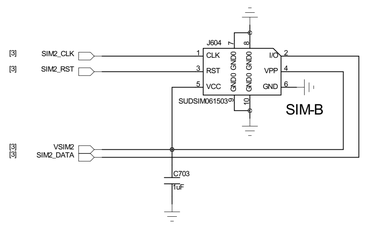


1bit Memory Card

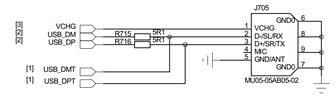


Dual SIM Card

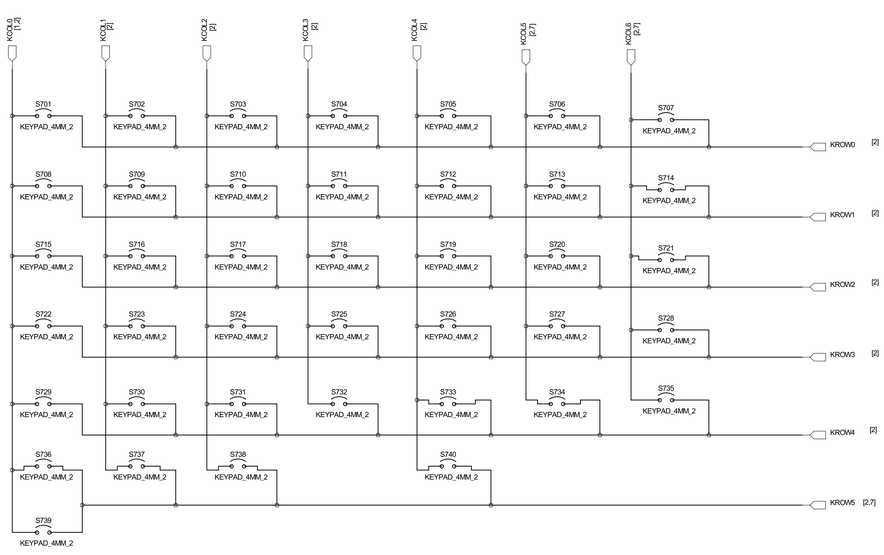


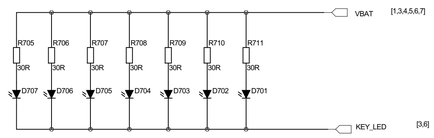


5 PIN SYSTEM IO

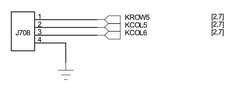


KEY_CON



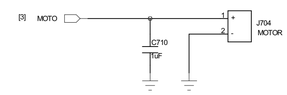


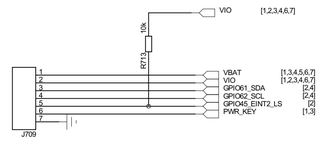
Sidekey_Con



Motor

Vibrotor is LDO mode





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