3V3_LORA<

File: LDO_ARRAY.sch

1.7 - 3.6VDC

R41 VDD

D12 BAT J5
D_TVS_SMAJ5.0CA

File: ME4057.sch

BAT

C23

GND

J2

<u> 1</u>

BAT J5

R19 Res_0402_100k

 \Diamond

GND

USB_DP

GND

D2+C D2- USB_DM

J1 - 1

J6 📑

TP2 O-

File: USB31-TYPEC-33139.sch

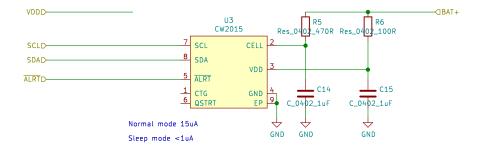
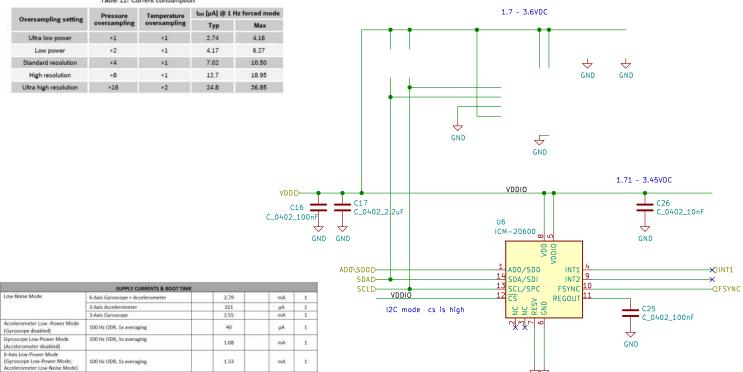


Table 12: Current consumption



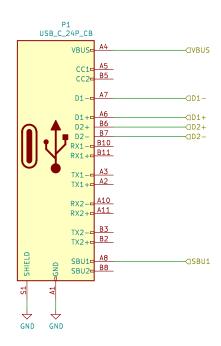
GNOND

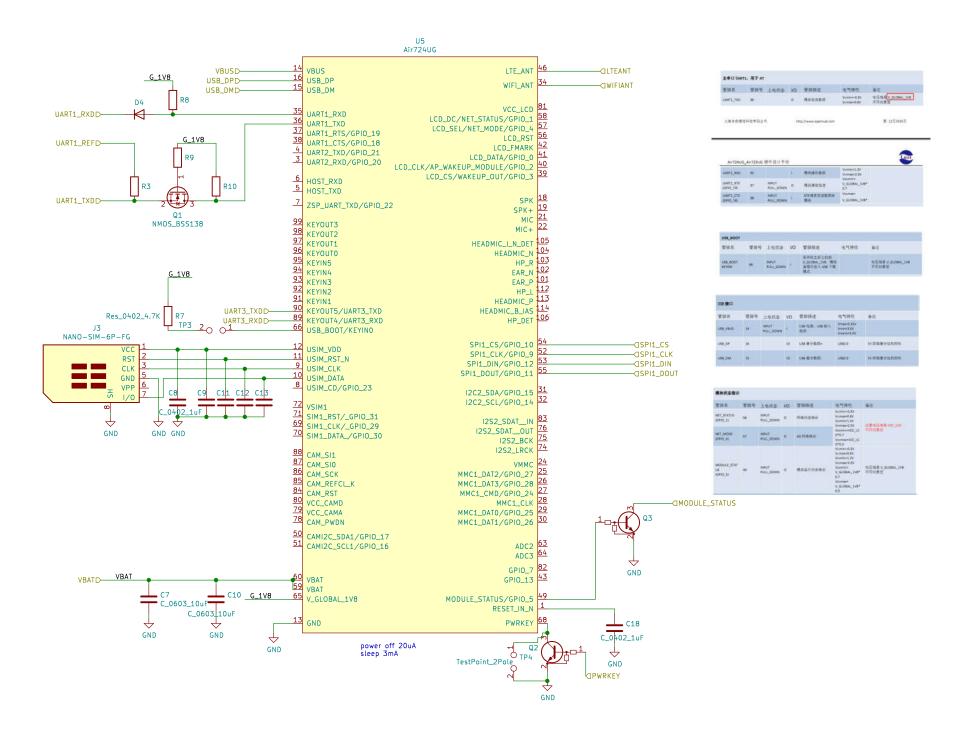
Interrupts carried on INT1 and INT2 pins are shown in the table below. If INT2 is not enabled, all interrupts are mapped to INT1.

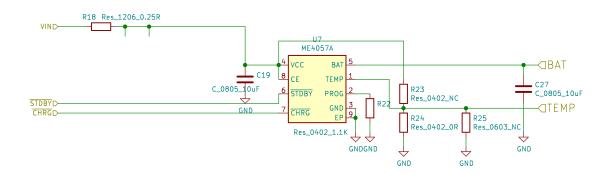
the address of one of the devices should be b1101000 (pin AD0 is logic low) and the address of the other should be b1101001 (pin AD0 is logic high).

INTERRUPT NAME	MODU		
Motion Detection	INT2		
RFO Overflow	INT2		
RFO Watermark	INT1		
Data Ready	INT1		
FSYNC	INT2		

Table 12. Table of Interrupt Sources





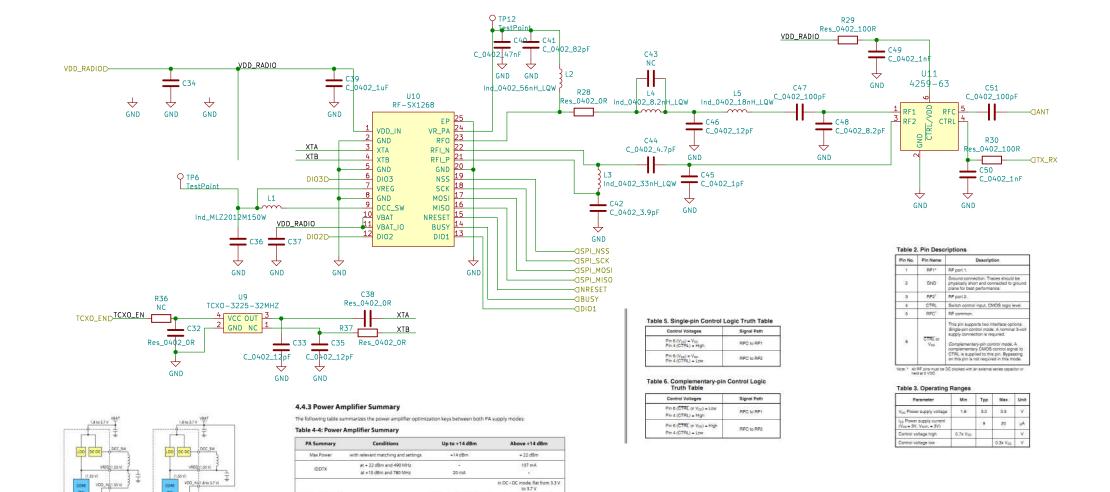


产品型号	产品说明		
ME4057ASPG	V _{FLOAT} =4.2V		
ME4057DSPG	V _{FLDAT} =4.34V		
ME4057ESPG	V _{FLOAT} =4.4V		

脚位说明

字号	名称	功能
1	TEMP	电掩 温度检测 TEMP 外部连接一个温度检测电阻,用来监视电池温度。当TEMP排电压纸 于45%或离于80%VCC电压时,意味着电池温度过低或者过高,充电停止。当外部不用温度检测功能时,可将TEMP直接接到GND.
2	PROG	恒旗电流设置和充电电流振调引脚 充电电流可以通过外接一个电阻 R_{PROG} 到地。來设置 充电电流,充电电流公式。 $I_{BAT} = \frac{V_{PROG}}{R_{PROG}}$ *1100
3	GND	地
4	Vcc	芯片輸入引擎 提供电源给内部电路,当电源比BAT较电压低至80mV以内时,芯片内部关闭,进入链眼模式,电池漏电流低至 2μA
5	BAT	电池速接引脚 连接电池到BAT引脚。BAT 引脚充电截止电压为4.2V /4.34V.
6	STDBY	克电极止状态指示 \$108Y 当检测到充电截止时,内部开关下拉。其他状态此引脚为高阳态。
7	CHRG	开欄充电状态指示 当检测到电池正在充电时,CNRG 引脚内部开关下拉,其他状态此引脚高阻态。
8	CE	芯片使能引擎 引脚拉高芯片开始正常工作。引脚拉低、芯片停止工作。CE引脚可以被TTL 或CMOS评级中路驱动。

Іват	充电电流(电流模式 V _{BAI} =3.9V)	●R _{PROG} #2.2	KΩ。电流模式	450	500	550	mA
		•R _{PROG} =1.1KΩ,电流模式		950	1000	1050	mA
		•特机模式	V _{BAT} =4.2V (ME4057ASPG /ME4057BSP)	0	-2.5	-6	μА
		- IT IVE GALL	V _{5A7} =4.34V (ME4067DSPG)				
		Renog 悬空		247	±1	±2	μΑ
		睡眠模式, V _{CC} =OV		- 54	-1	-2	μА
Insig.	满流充电电流	VBAT <vtrikl, rprog="1.1KΩ</td"><td>120</td><td>130</td><td>140</td><td>mA</td></vtrikl,>		120	130	140	mA



flat from VBAT = 1.8 V to 3.7 V

inversely proportional to VBAT.

DC - DC buck converter

Output Power vs VBAT

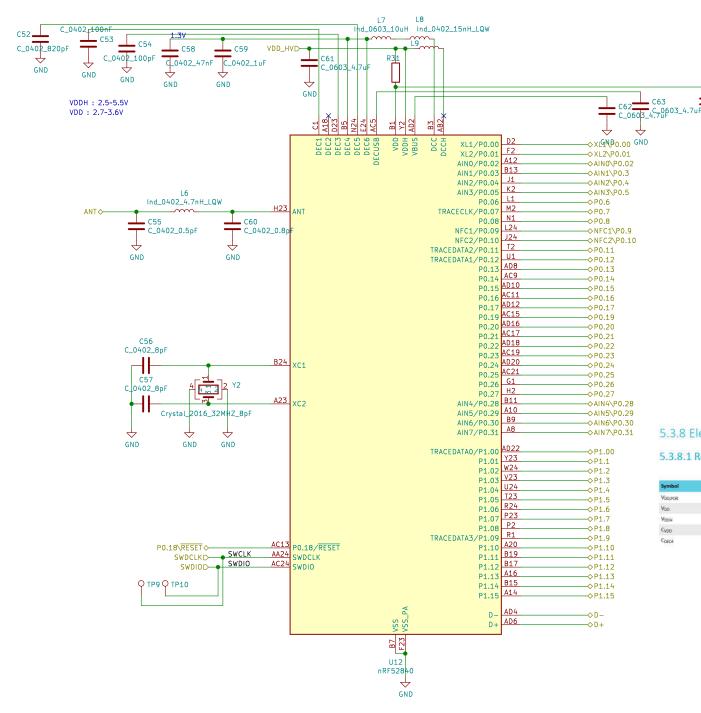
IDDTX vs VBAT

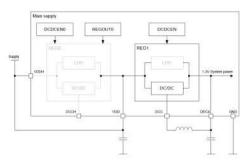
Up to +14 d8m

Figure 4-3: PA Supply Scheme in DC-DC Mode

VBAT = 3.1 V for +22 dBm

VBAT = 2.7 V for +20 d8m VBAT = 1.8 V for +16 d8m





Default voltage: 1.8 V

C_0402_100n

 \Rightarrow

GND

GND

C_0402_100al

 \rightarrow

GND

C65

7uF

C_0402_100nF

 \Rightarrow

GND

____ C64

 \Rightarrow

GND

C 0603 4

Figure 14: Normal Voltage mode, DC/DC REG1 enabled

REGOUTO

1.8 V 2.1 V 2.4 V 2.7 V 3.0 V 3.3 V

RANGE:1.8 ~ 3.3V

5.3.8 Electrical specification

5.3.8.1 Regulator operating conditions

Symbol	Description	Min.	Typ.	Max.	Units
Voolpor	VDD supply voltage needed during power-on reset.	1.75			v
Voo	Normal voltage mode operating voltage.	1.7	3.0	3.6	V
V _{DDH}	High voltage mode operating voltage.	2.5	3.7	5.5	V
Cypp	Effective decoupling capacitance on the VDD pin.	2.7	4.7	5.5	μF
CDECA	Effective decoupling capacitance on the DEC4 pin.	0.7	1	1.3	μF

