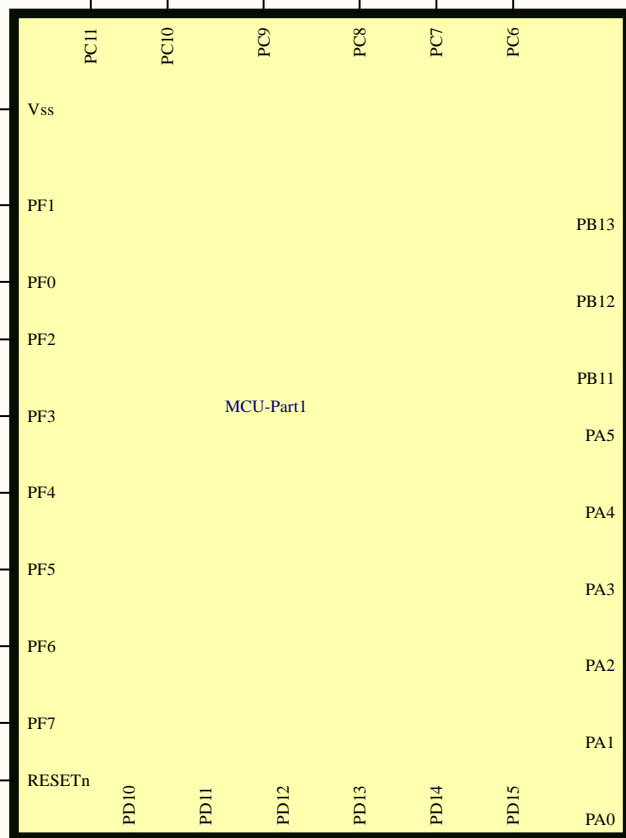
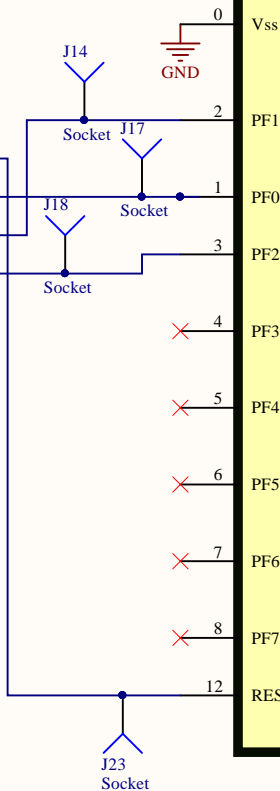
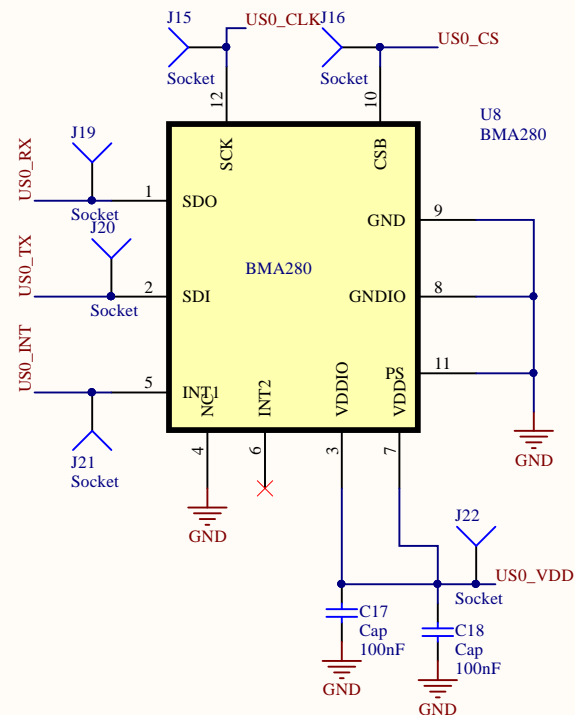


DEBUG HEADER



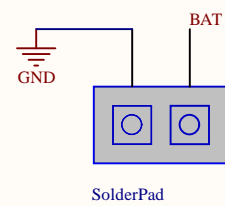
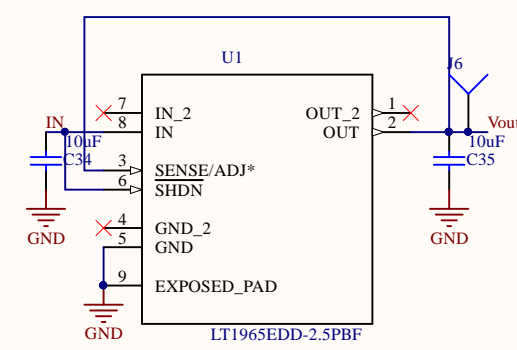
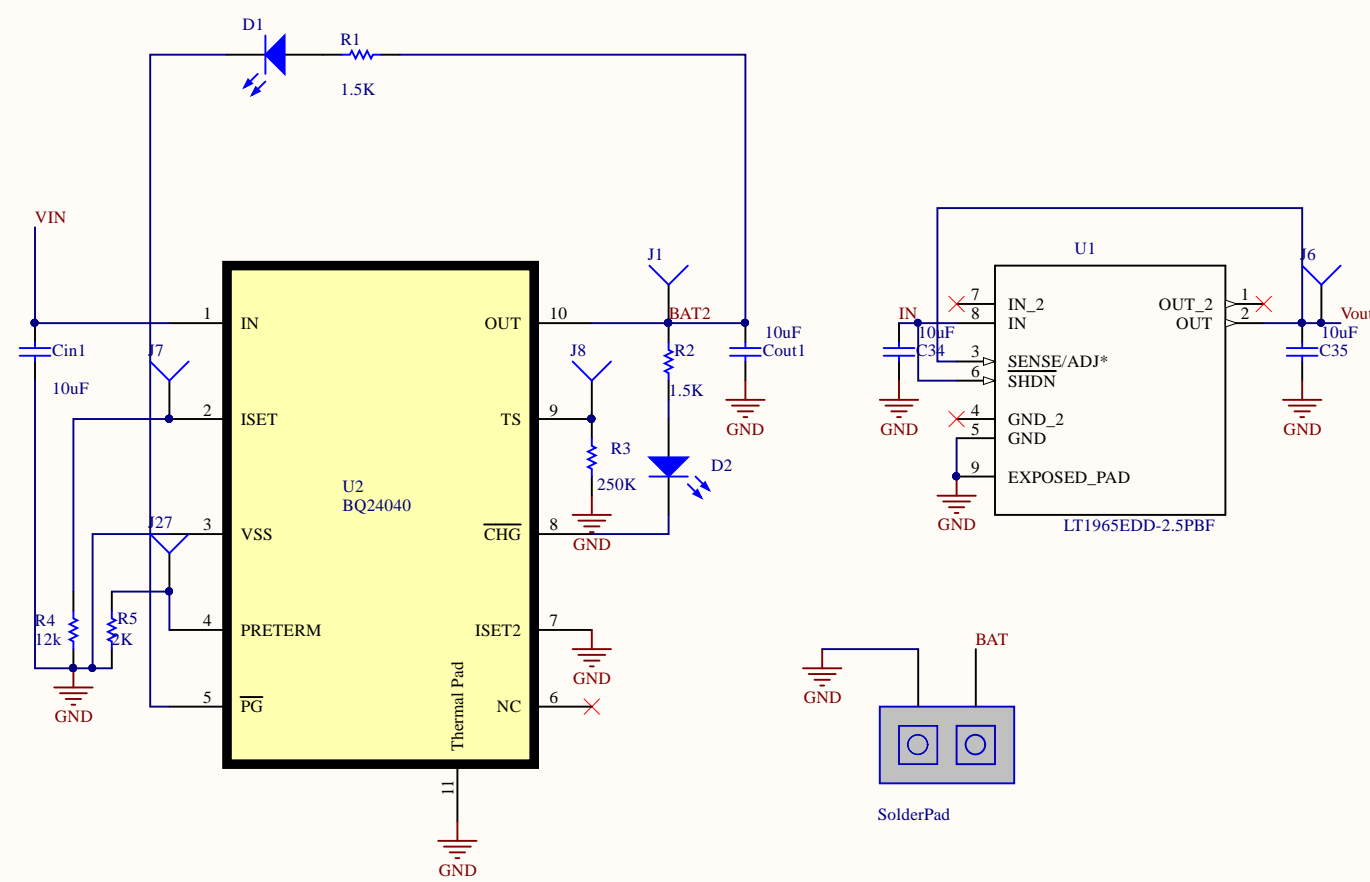
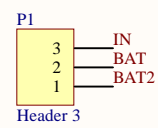
U6A
MCU

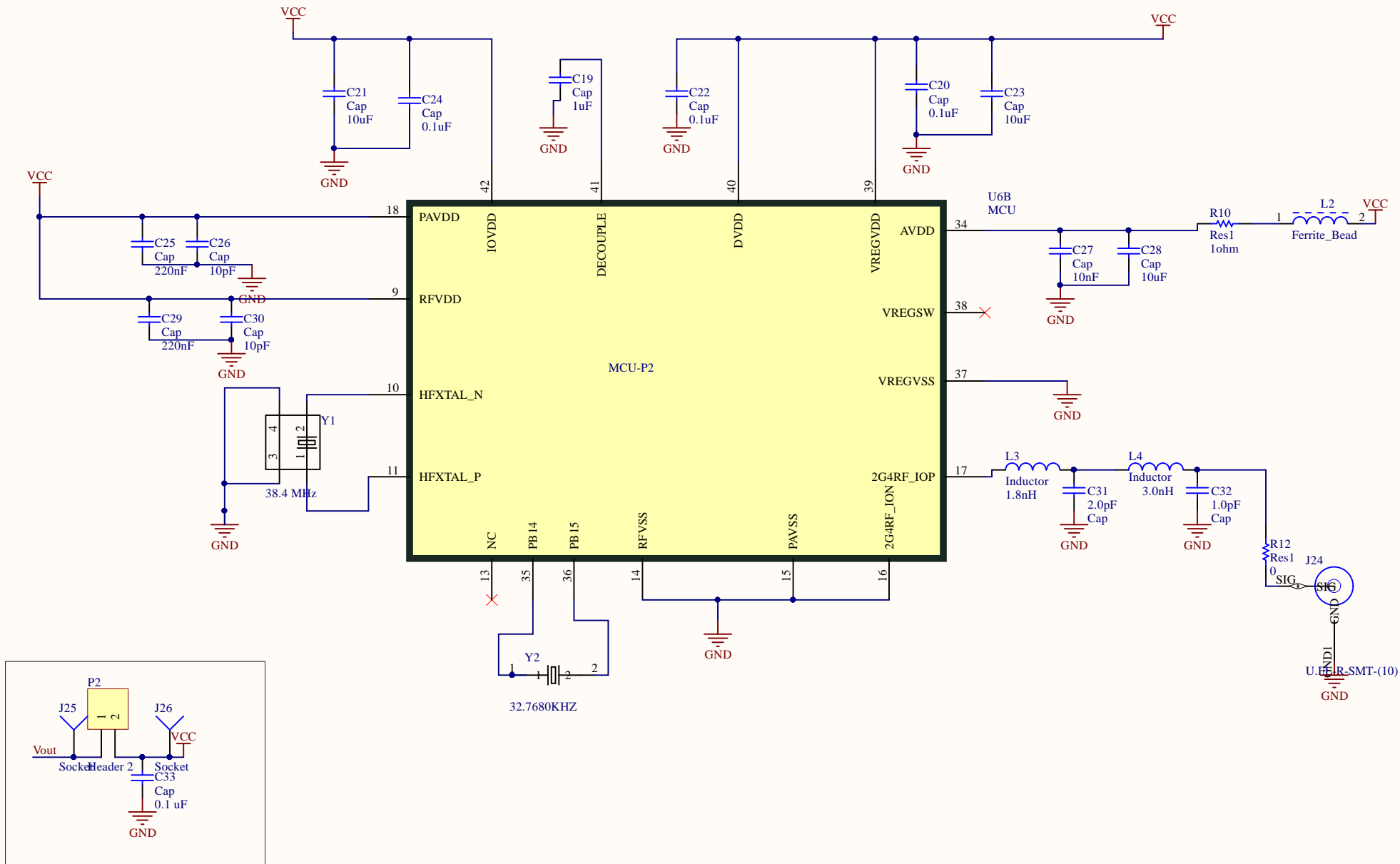


Title <i>WearTech-MCU_P1</i>			*
Size: A4	Number:*	Revision:1	*
Date: 02-12-2017	Time: 10:39:42 PM	Sheet2 of 3	*
File: G:\Downloads4\WearTechPCB (1)\WearTechPCB (1)\MCU.SchDoc			

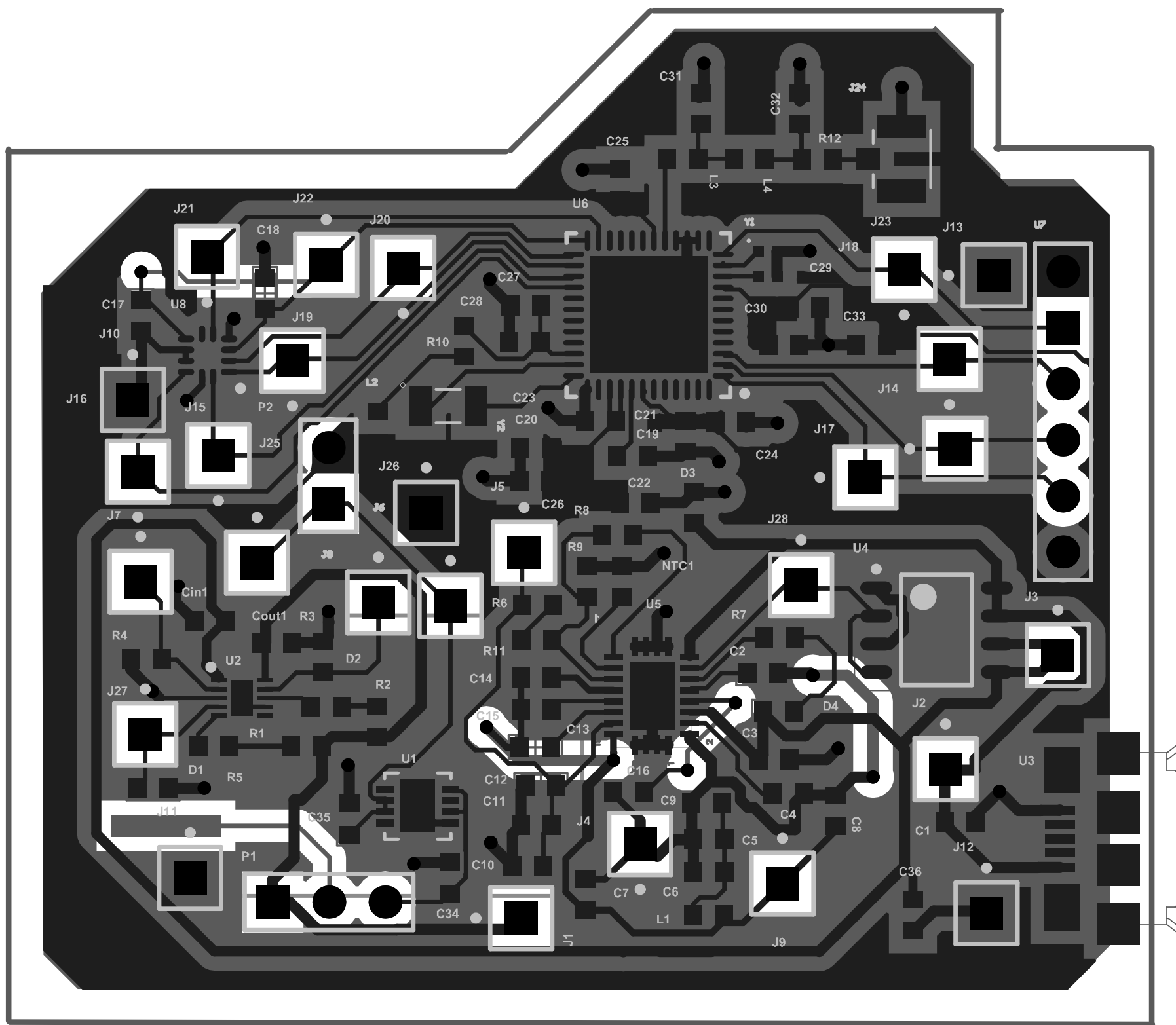
▲ If selecting a 45mAH battery:
 $R_{iset} = [K_{iset} / I_{out}] = [540 / 0.045] = 12k$

If selecting a 40mA battery:
 $R_{iset} = [K_{iset} / I_{out}] = [540 / 0.040] = 13.5k$





Title WearTech-MCU-P2			<div>Altium</div>
Size: A4	Number:*	Revision:1	
Date: 02-12-2017	Time: 10:39:43 PM Sheet 3 of 3		
File: G:\Downloads4\WearTechPCB (1)\WearTechPCB (1)\MCU_PART2.SchDoc			



Comment	Description	Designator	Footprint	LibRef	Quantity
SolderPad		1	bATTERY_CONNECTION	SolderPad	1
Cap	Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, CAP CER 0.1UF 16V X7R 0603, CAP CER 0.1UF 16V X7R 0603, CAP CER 1UF 25V X5R 0603, CAP CER 0.1UF 16V X7R 0603, CAP CER 22UF 4V X5R 0603, CAP CER 0.1UF 16V X7R 0603, CAP CER 22UF 4V X5R 0603, CAP CER 0.1UF 16V X7R 0603, CAP CER 0.22UF 10V X5R 0603, CAP CER 10PF 50V COG/NPO 0603, CAP CER 10000PF 10V U2J 0603, CAP CER 22UF 4V X5R 0603, CAP CER 0.22UF 10V X5R 0603, CAP CER 10PF 50V COG/NPO 0603, CAP CER 2PF 50V COG/NPO 0603, CAP CER 1PF 50V COG/NPO 0603, CAP CER 0.1UF 16V X7R 0603, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, Cin1, Cout1	1608[0603]	Cap	38
LED0	Typical INFRARED GaAs LED	D1, D2, D4	1608[0603]	LED0	3
Diode	Default Diode	D3	1608[0603]	Diode	1
Socket	Socket	J1, J2, J3, J4, J5, J6, J7, J8, J9, J10, J11, J12, J13, J14, J15, J16, J17, J18, J19, J20, J21, J22, J23, J25, J26, J27, J28	PIN1	Socket	27
U.FL-R-SMT-(10)	CONN UMC RCPT STR 50 OHM SMD	J24		U.FL-R-SMT-(10)	1
Inductor	RX 1 COIL 1 LAYER 10.7UH, FIXED IND 1.8NH 250MA 400 MOHM, FIXED IND 3NH 670MA 170 MOHM SMD	L1, L3, L4	1608[0603]	Inductor	3
Ferrite_Bead	FERRITE BEAD 1 KOHM 0603 1LN	L2		Ferrite_Bead	1
Res Thermal	Thermistor	NTC1	1608[0603]	Res Thermal	1
Header 3	Header, 3-Pin	P1	HDR1X3	Header 3	1
Header 2	Header, 2-Pin	P2	HDR1X2	Header 2	1
Res1	Resistor, Resistor, Resistor, Resistor, Resistor, Resistor, Resistor, RES SMD 1 OHM 1% 1/10W 0603, Resistor, RES SMD 0 OHM JUMPER 1/10W 0603	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12	1608[0603]	Res1	12
LT1965EDD-2.5PBF	PMIC - LDO voltage regulator Linear Technology LT1965EDD- 2.5#PBF Positive, fixed DFN 8 (3x3)	U1	LT1965	LT1965EDD-2.5PBF	1
BQ24040		U2	BQ24040	BQ24040	1
MICRO_USB	CONN USB MICRO B RECPT SMT R/A	U3	MICRO_USB	MICRO_USB	1
TPS1120_D_8		U4	BlockSwitch	TPS1120_D_8	1
BQ51013B		U5	BQ51013B	BQ51013B	1
MCU	RF System on a Chip - SoC Blue Premium 19dBm 2.4G 512kB 64kB(RAM)	U6	QFN50P700X700X90_HS- 49N	MCU	1
DEBUG HEADER	BERGSTRIIP .100" DR STRAIGHT	U7	HDR1X6	DEBUG HEADER	1
BMA280	Accelerometers 3-Axis 2x2mm LGA-12 2g-16g prog 14-bit	U8	QFN50P200X200X100- 12N	BMA280	1
X1		Y1		X1	1
X2	CRYSTAL 32.7680KHZ 12.5PF SMD	Y2	X2	X2	1