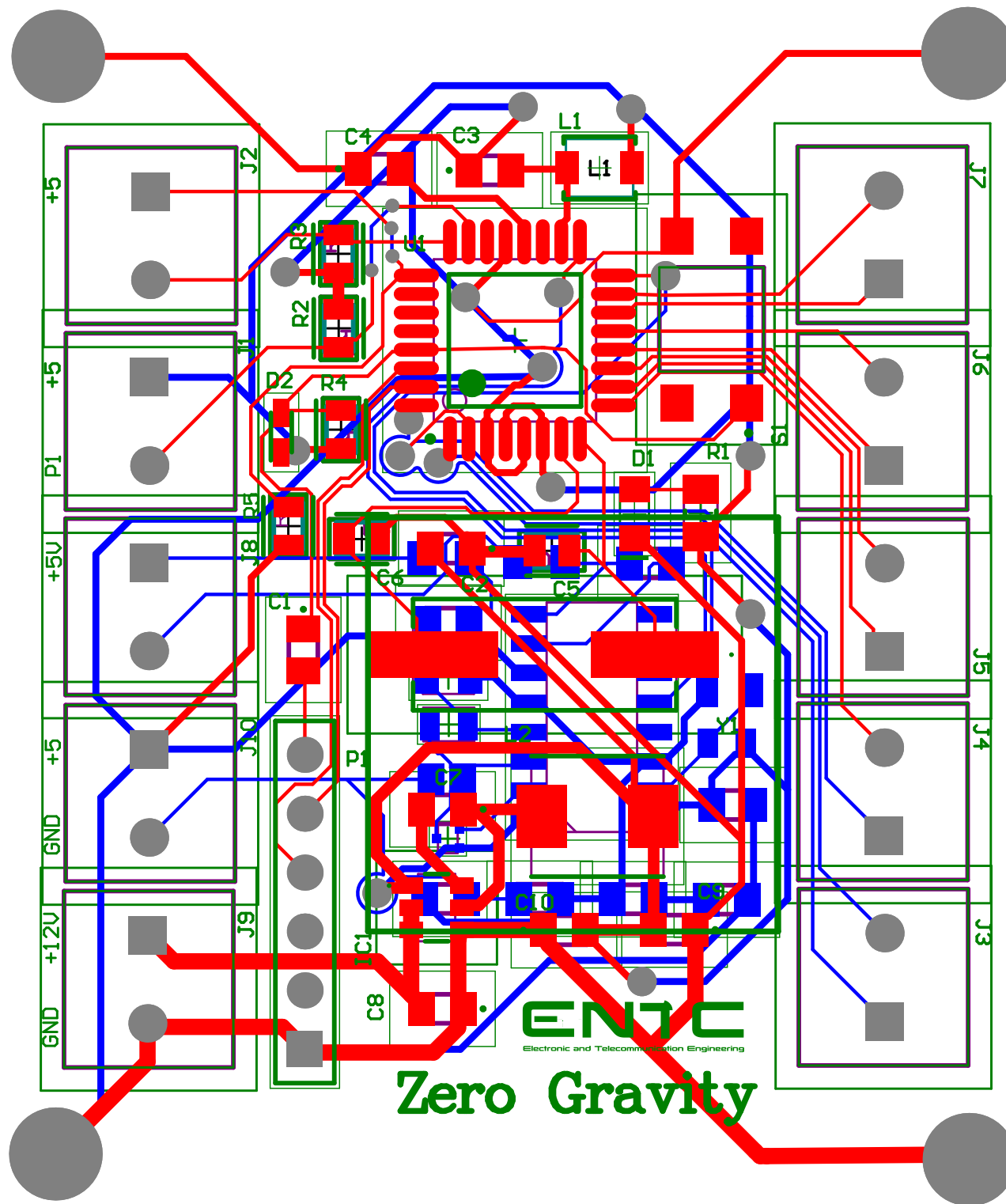


Title		
Zero Gravity Schematic		
Size	Number	Revision
A4	01	04
Date:	4/14/2024	
File:	C:\Users\...\Sheet1.SchDoc	
Sheet 1 of 1		Drawn By: Ruchira Abeywardhane



Comment	Description	Designator	Footprint	LibRef	Quantity
C0805Y104,BRACTU	Capacitor	C1, C2, C3, C4, C7, C11, C12, C14, C15, C16	C0805	C0805Y104,BRACTU	10
C0805C220F1HACTU	C0805 22 pF X8R 30ppm/°C 1.00% 100 V	C5, C6	FP-C0805C-DN-MFG	CMP-03020-009085-1	2
C0805C106K4PAC7210	Capacitor	C8, C13, C17	C0805	C0805C106K4PAC7210	3
C0805C226K9PACTU	Capacitor	C9, C10	C0805	C0805C226K9PACTU	2
150080RS75000		D1	VL-SMCW_0805_150080x75000	CMP-1426-00011-2	1
CDSU4148	Diode	D2	D10M179X85N	CDSU4148	1
AP63205WU-7	Integrated Circuit	IC1	AP63205WU7	AP63205WU-7	1
HX711	Integrated Circuit	IC2	SOIC127P600X160-16N	HX711	1
1727010	Connector	J1, J2, J3, J4, J5, J6, J7, J8, J9, J10	1727010	1727010	10
744764910	744764910 General Purpose Inductor, 10uH, 10%, 1 Element, SMD, 1210	L1	WE-GFH_3225	CMP-03913-61645378-1	1
SRP5030CC-4R7M	Inductor	L2	INDPMV5752X300N	SRP5030CC-4R7M	1
MLZ2012A3R3WTD25	Shielded Multilayer Inductor 3.3uH ±20% 450mA 442mΩ AEC-Q200 SMD 0805	L3	FP-MLZ2012-0_85-IPC_C	CMP-08253-000097-1	1
TSW-106-07-L-S	0.025" SQ Post Header, Through-hole, Vertical, -55 to 125 degC, 2.54 mm Pitch, 6-Pin, Male, RoHS	P1	SMT-C-TSW-106-07-X-S	CMP-1024-00386-1	1
MMBT4403M3T5G	PNP Switching Transistor, 3-Pin SOT-723, Pb-Free, Tape and Reel	Q1	ONSC-SOT-723-3-631AA-01_C_V	CMP-1048-00929-1	1
RK73H2ATTD2200F		R1	RESC2013X60X30ML20T20	CMP-2001-02206-1	1
RK73H2ATTD1001D	1kΩ ±0.5% 0.25W Chip Resistor 0805 Thick Film AEC-Q200 Qualified	R2, R3, R5	FP-RK73H2A-IPC_C	CMP-04015-089471-1	3
RK73H2ATTD1002F	10kΩ ±1% 0.25W Chip Resistor 0805 Thick Film AEC-Q200 Qualified	R4, R7	FP-RK73H2A-IPC_C	CMP-04015-088604-1	2
RK73H2ATTD2002F		R6	RESC2013X60X30LL20T20	CMP-2001-02185-1	1
RK73H2ATTD8201F		R8	RESC2013X60X30NL20T20	CMP-2001-02517-1	1
RK73H2ATTD1000F	100Ω ±1% 0.25W Chip Resistor 0805 Thick Film AEC-Q200 Qualified	R9, R10	FP-RK73H2A-IPC_A	CMP-04015-093159-1	2
RCC08050000ZDEA	RCC08050000ZDEA Res Thick Film 0805 0 Ohm Conformal Coated Pad SMD Automotive AEC-Q200 T/R	R11	FP-RCC0805-e3-MFG	CMP-00030-108211984-1	1
TL3305BF160QG	Switch	S1	TL3305BF160QG	TL3305BF160QG	1
ATmega328P-AU	8-bit AVR Microcontroller, 32KB Flash, 1KB EEPROM, 2KB SRAM, 32-pin TQFP, Industrial Grade (-40°C to 85°C)	U1	32A_M	CMP-0095-00269-2	1
ECS-160-18-5PX-GM-TR	Crystal or Oscillator	Y1	ECS160185PXGMTR	ECS-160-18-5PX-GM-TR	1