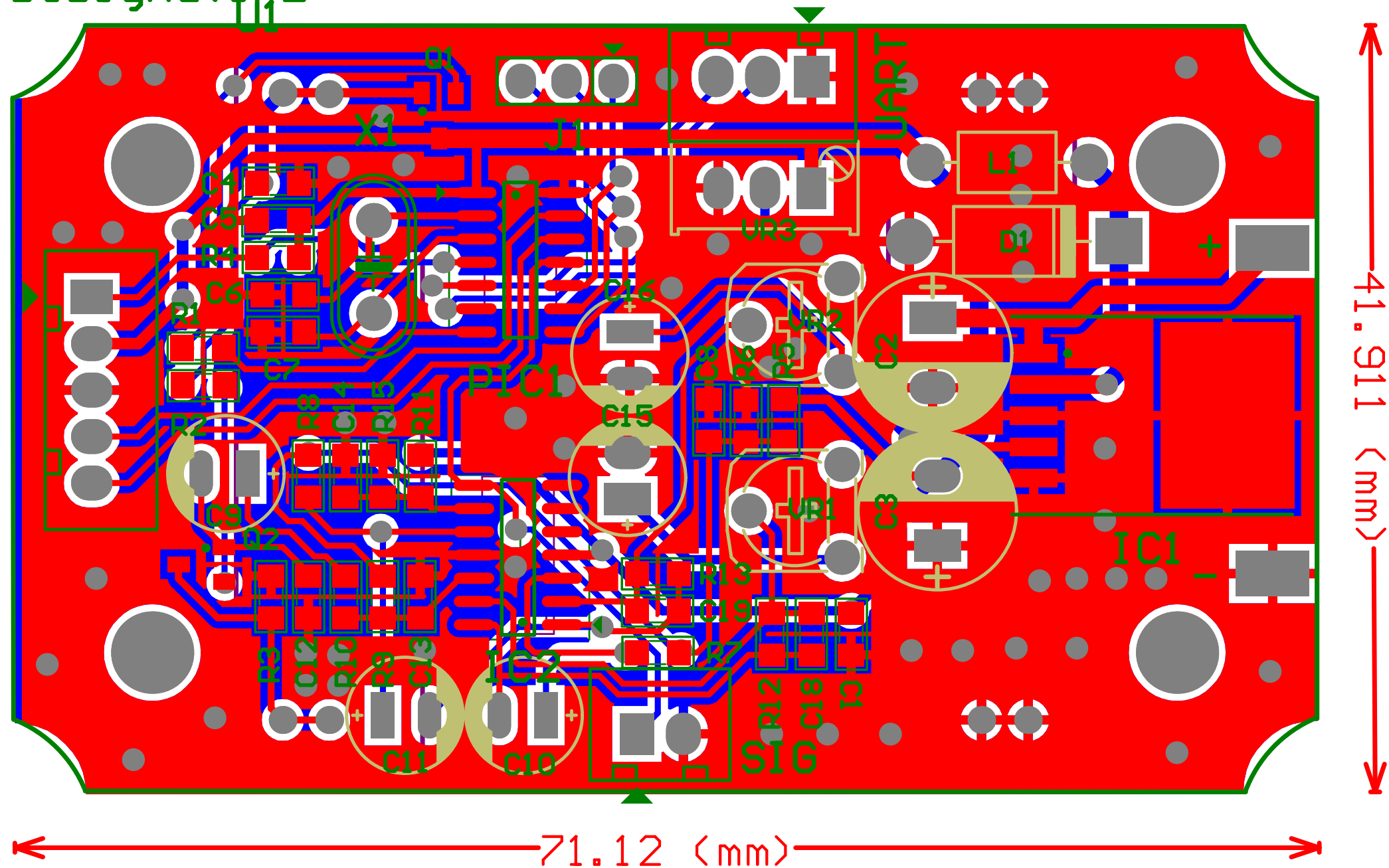


Designator₁2



Comment	Description	Designator	Footprint	LibRef	Quantity
1	CONNECT 1	+, -	TP	TP	2
104	Cap np 104 => 105pF, Cap SMD	C1, C4, C5, C8, C12, C13, C14	SM-0805	CM, CN2	7
100uF/ 35V	Cap 1000uF/ 35V - 470uF/ 16V	C2	CP1.5/ 3.4	CP3	1
1000uF/ 16V	Cap 1000uF/ 16V - 220uF/ 50V	C3	CP1.5/ 3.4	CP4	1
22p	Cap SMD	C6, C7	SM-0805	CM	2
4.7uF	Cap P 0,1uF < 22uF , 16 - 50V	C9	CP1/ 2.5	CP1	1
10uF	Cap P 0,1uF < 22uF , 16 - 50V	C10, C11, C15, C16	CP1/ 2.5	CP1	4
222	Cap np 104 => 105pF	C18, C19	SM-0805	CN2	2
1N4007	Diode 1A	D1	D2A	D1A	1
LM2576		IC1	936A-02	LM2576	1
LM324	Op x 4	IC2	SO-14	LM324	1
Jumper 3	Jumper 3	J1	JP3	JP3	1
150mH	Inductor	L1	L/ 0.4	L1	1
PIC16F688		PIC1	SO-14	PIC16F688	1
JP5	Connector 5	PROGRAMER	CON5	Con5	1
C1815	NPN 600mW, ECB	Q1, Q2	SOT23B	C1815	2
5K1	Resistor 1/ 4W	R1, R2	SM-0805	R	2
12k	Resistor 1/ 4W	R3, R10	SM-0805	R	2
47K	Resistor 1/ 4W	R4	SM-0805	R	1
100k	Resistor 1/ 4W	R5, R6, R11, R15	SM-0805	R	4
330k	Resistor 1/ 4W	R7, R8, R9	SM-0805	R	3
1M	Resistor 1/ 4W	R12, R13	SM-0805	R	2
JP2	Connector 2	SIG	CON2	Con2	1
HB100		U1	HB100_SENSOR	HB100_SENSOR	1
JP3	Connector 3	UART	CON3	Con3	1
10K	Var Resistor	VR1, VR2	VR	VR	2
10K	Var Resistor	VR3	VR1	VR	1
4Mhz	Crystal For all Crystal 2pin.	X1	XT2	XT2	1