

Project **Thymio-II RF module**
Part **RF & LDO**

File : **schematics.SchDoc**

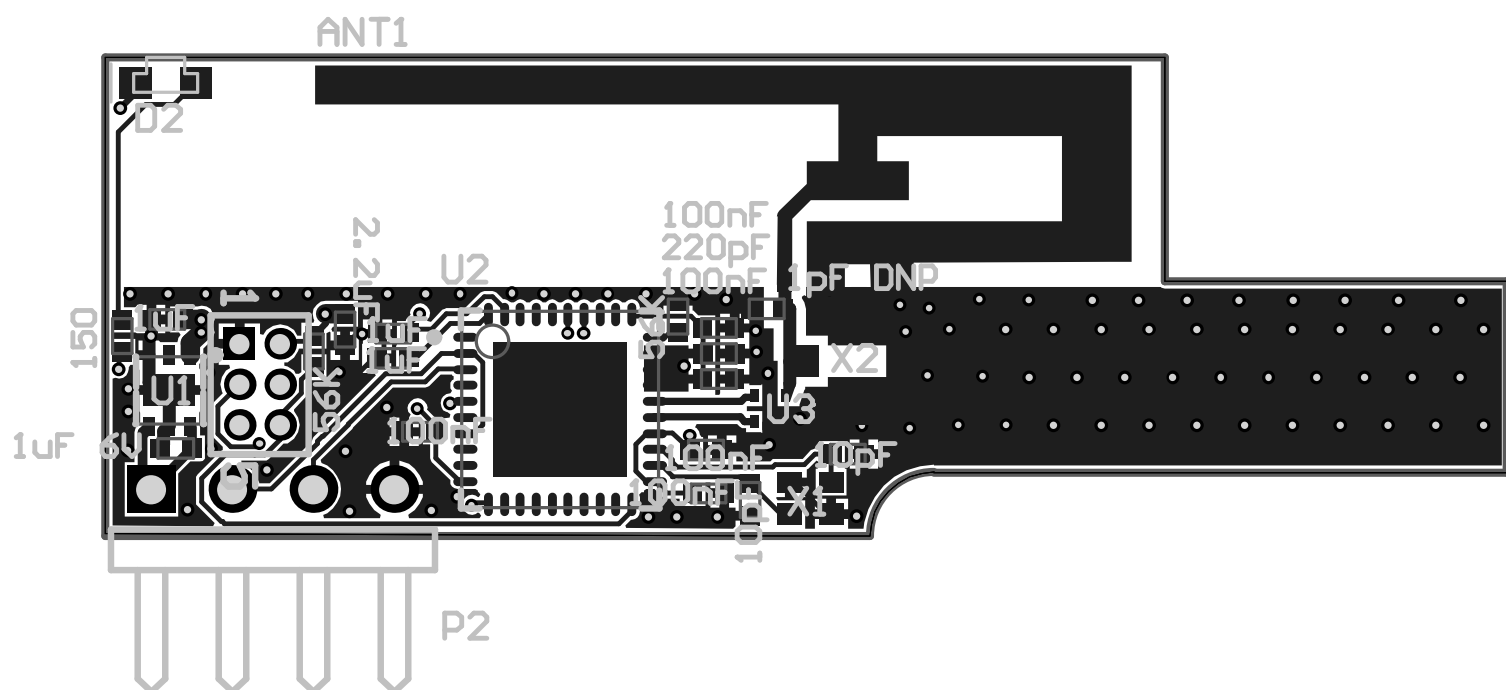
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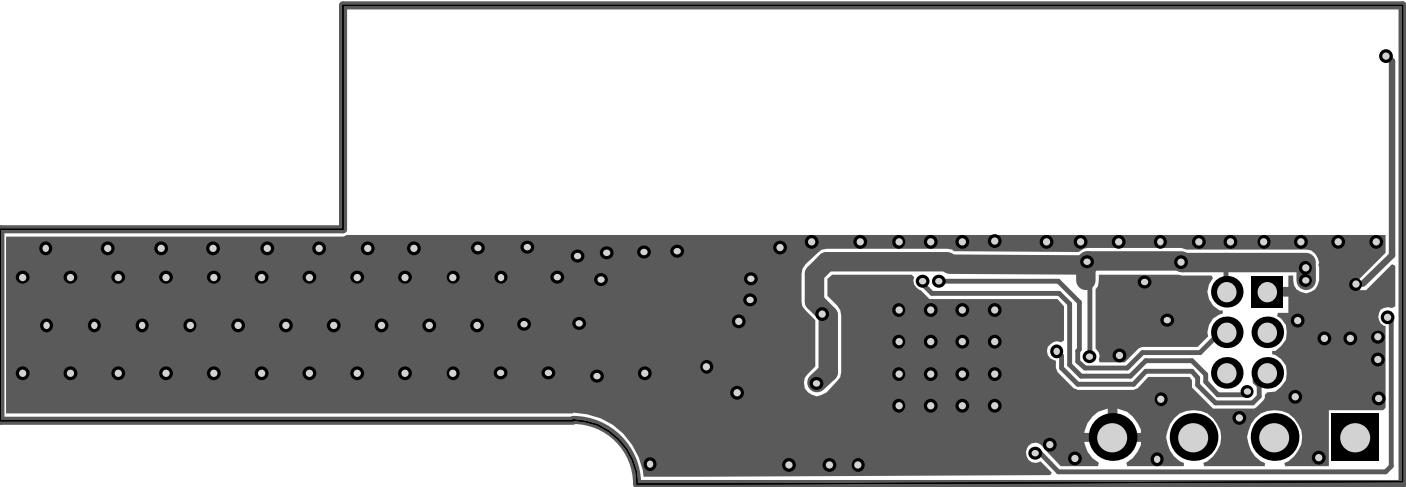
Revision: **A**

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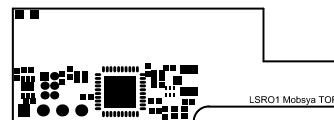
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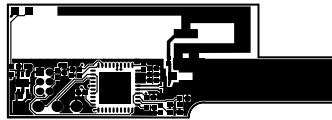


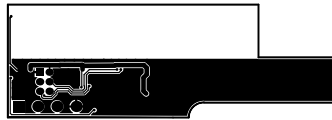


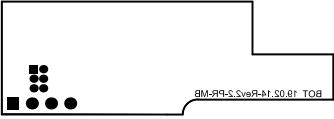


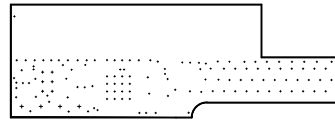
Description	Comment	Designator	Footprint	Quantity
32Mhz Crystal, 15ppm	ABM11-32.000MHZ-B7G-T	X1	Abracon-ABM11	1
150mA LDO TI	TPS781330220DRVR	U1	QFN65P200X200X80-6N	1
A True System-on-Chip Solution for 2.4-GHz IEEE 802.15.4	CC2533F96RHA	U2	QFN50P600X600X100-40L-2	1
Balun for CC253x	LFB182G45BG2D280	U3	LFB182G45BG2D280	1
Capacitor	100nF	C5, C6, C8, C9, C10	CAPC1005X05L	5
Capacitor	10pF	C13, C14	CAPC1005X05L	2
Capacitor	1uF	C2, C4, C12	CAPC1005X05L	3
Capacitor	1uF 6V	C3	CAPC1005X05L	1
Capacitor	2.2uF	C1	CAPC1005X05L	1
Capacitor	220pF	C7	CAPC1005X05L	1
Header, 4-Pin, Right Angle	Header 4H	P2	HDR1X4H	1
Resistor	150	R5	RESC1005X04L	1
Resistor	56K	R3, R4	RESC1005X04L	2
SMD Red led right angle mount 2V@20ma 57mcd	27-21SURC/S530-A3	D2	Led-side	1

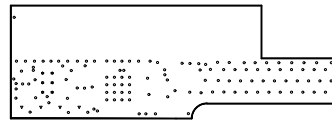












Symbol	Hit Count	Tool Size	Plated	Hole Type
○	126	0.2mm (7.874mil)	PTH	Round
☆	6	0.6mm (23.622mil)	PTH	Round
▽	4	0.9mm (35.433mil)	PTH	Round
	136 Total			

