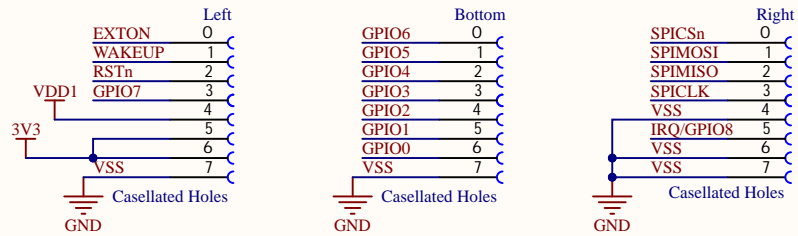
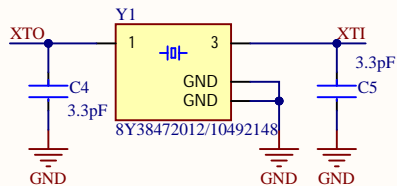


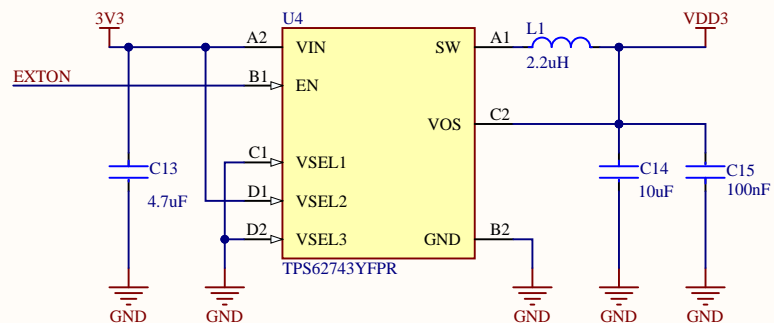
Castellated Holes Connectors



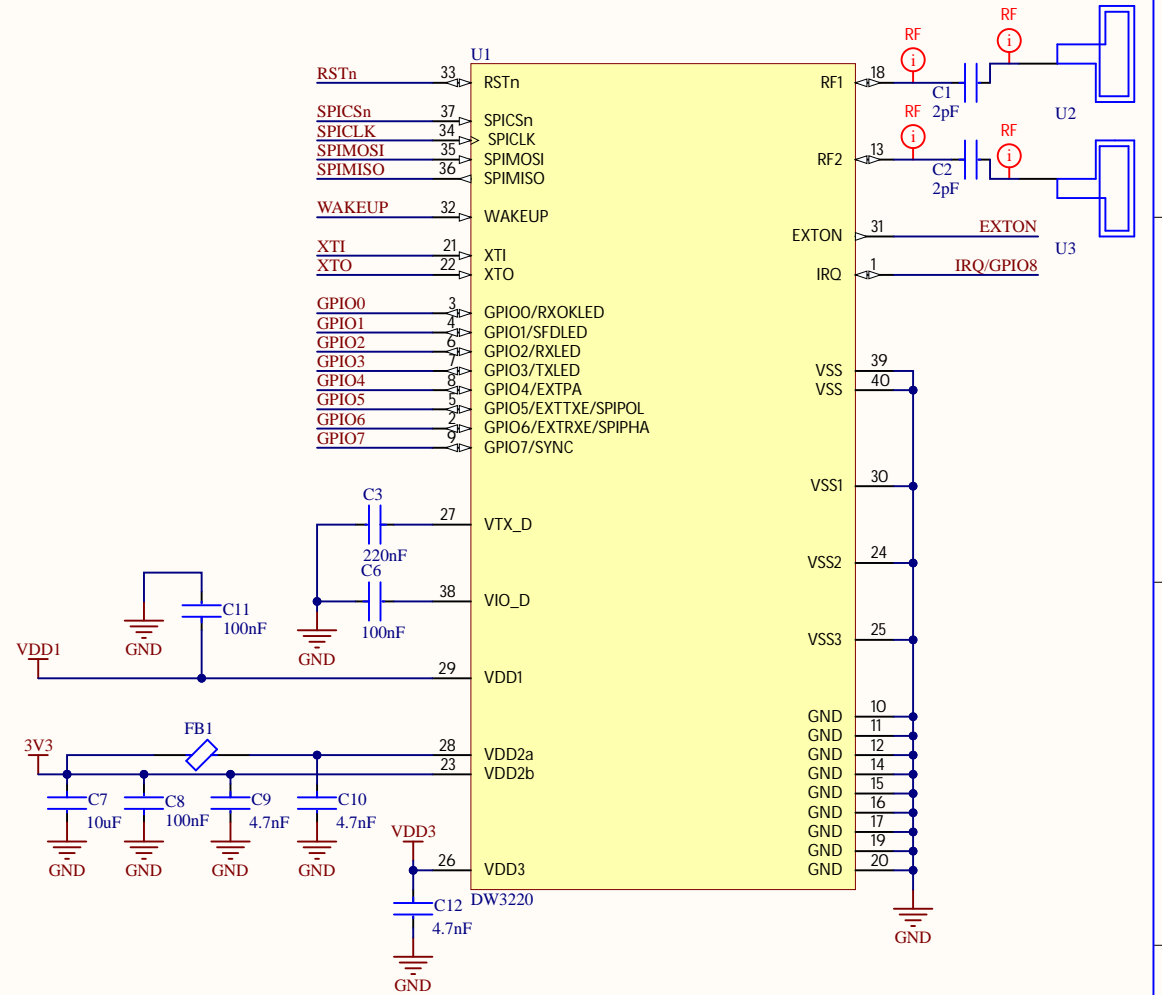
Crystal Oscillator



DC/DC 3.3V to 1.8V



Trancseiver



Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

Project:

UWB with AoA

Drawing number: Semester Thesis

Rev: A

Format: Laboratory: Center for Project Based Learning

Sheet: T_module.SchDoc

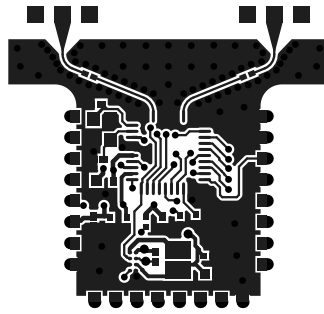
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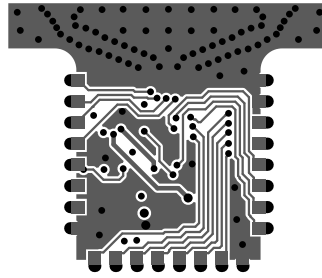
A4 Q Drawn by: Florian Henzer

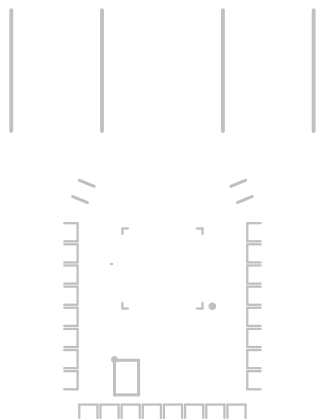
Page 1 of 1

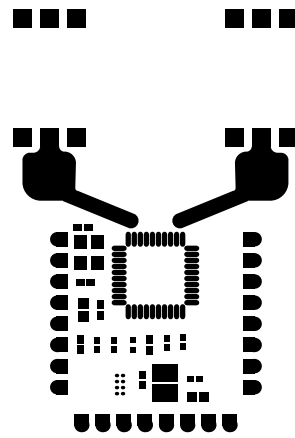
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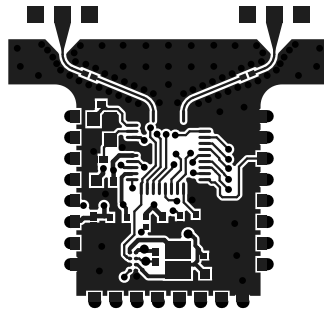


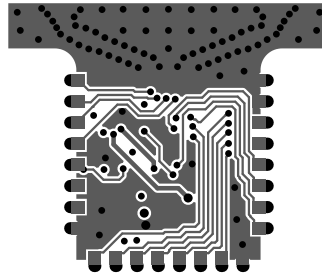


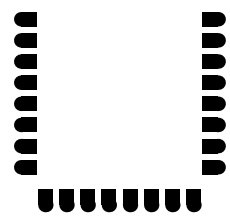


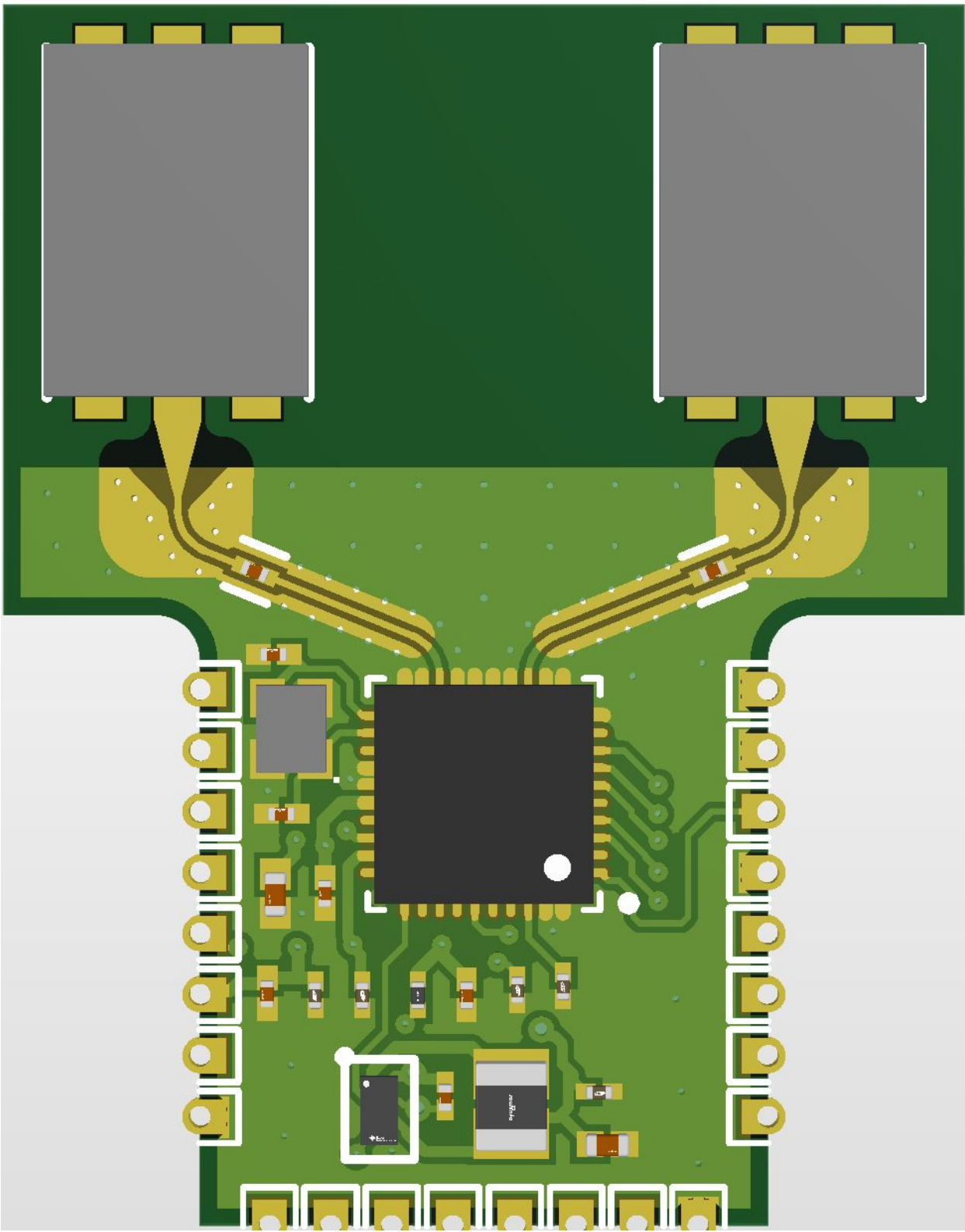


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Line #	Name	Description	Designator	Revision ID	Revision Status	Quantity	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
	8Y38472 012/1049 2148	https://www.digikey.ch/de/products/detail/txc-corporation/8Y38472012/10492148	Y1			1							
	AH086M 555003-T	3.5GHz, 5.6GHz WiMax™ Chip RF Antenna 3.1GHz ~ 8GHz 2.6dBi, 0.7dBi Solder Surface Mount	U2, U3			2							
	Casellate d Holes		Bottom, Left, Right			3							
	DW3220	Ultra-low power Wi-Fi 802.11b/g/n, without mounted antenna	U1			1							
	1285AS- H- 2R2M-P2	Shielded Wirewound Inductor 2.2uH 20% 1200mA 0.204Ω 0806 (2016)	L1	CMP-06042- 000201-1	Up to date	1	Murata	1285AS-H-2R2M-P2	Volume Production	Arrow Electronics	1285AS-H-2R2M-P2	0,32376	0,32376
	CL03A10 4KQ3NN NH	Cap Ceramic 100nF 6.3V X5R ±10% Pad SMD 0201 +85°C T/R	C6, C8, C11, C15	CMP-13271- 001518-1	Up to date	4	Samsung	CL03A104KQ3NNNH	Volume Production	Arrow Electronics	CL03A104KQ3NNNH	0,01038	0,10381
	CL03A22 4KQ3NN NC	Cap Ceramic 220nF 6.3V X5R ±10% Pad SMD 0201 +85°C T/R	C3	CMP-2010- 00678-2	Up to date	1	Samsung	CL03A224KQ3NNNC	Volume Production	Arrow Electronics	CL03A224KQ3NNNC	0,08055	0,08055
	GRM033 5C1H3R3 CA01D	Chip Multilayer Ceramic Capacitors for General Purpose, 0201, 3.3pF, COG, 30ppm/°C, 0.25pF, 50V	C4, C5	CMP-2010- 01116-2	Up to date	2	Murata	GRM0335C1H3R3CA01D	Volume Production	Arrow Electronics	GRM0335C1H3R3CA01D	0,0051	0,05098
	MPZ0603 S330HT0 00	CHIP BEADS FOR GENERAL SIGNAL LI	FB1	CMP-08257- 000038-1	Up to date	1	TDK	MPZ0603S330HT000	Volume Production	Arrow Electronics	MPZ0603S330HT000	0,01928	0,01928
	GJM0335 C1E2R0 WB01D	Ceramic Capacitor 2pF ±0.05pF 25V COG 0201 (0603 Metric)	C1, C2	CMP-2010- 00751-2	Up to date	2	Murata	GJM0335C1E2R0WB01D	Volume Production	Digi-Key	490-12592-1-ND	0,12049	0,24099
	GRM035 R60J475 ME15D	Chip Multilayer Ceramic Capacitors for General Purpose, 0201, 4.7uF, X5R, 15%, 20%, 6.3V	C13	CMP-06035- 019701-1	Up to date	1	Murata	GRM035R60J475ME15D	Volume Production	Digi-Key	490-13230-1-ND	0,20391	0,20391
	GRM033 R71A472 KA01D	Chip Multilayer Ceramic Capacitors for General Purpose, 0201, 4700pF, X7R, 15%, 10%, 10V	C9, C10, C12	CMP-2010- 01686-2	Up to date	3	Murata	GRM033R71A472KA01D	Volume Production	Mouser	81-GRM033R71A472KA1D	0,00556	0,05561
	GRM155 R60J106 ME47D	Chip Multilayer Ceramic Capacitors for General Purpose, 0402, 10uF, X5R, 15%, 20%, 6.3V	C7, C14	CMP-06035- 022355-1	Up to date	2	Murata	GRM155R60J106ME47D	Volume Production	Mouser	81-GRM155R60J106ME7D	0,54686	1,09
	TPS62743 YFPR	IC REG BUCK PROG 300MA 8DSBGA	U4	CMP-04918- 000507-1	Up to date	1	Texas Instruments	TPS62743YFPR	Volume Production	Mouser	595-TPS62743YFPR	1,46	1,46