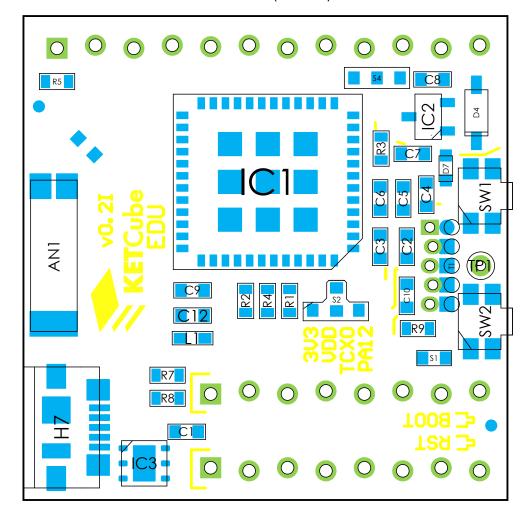
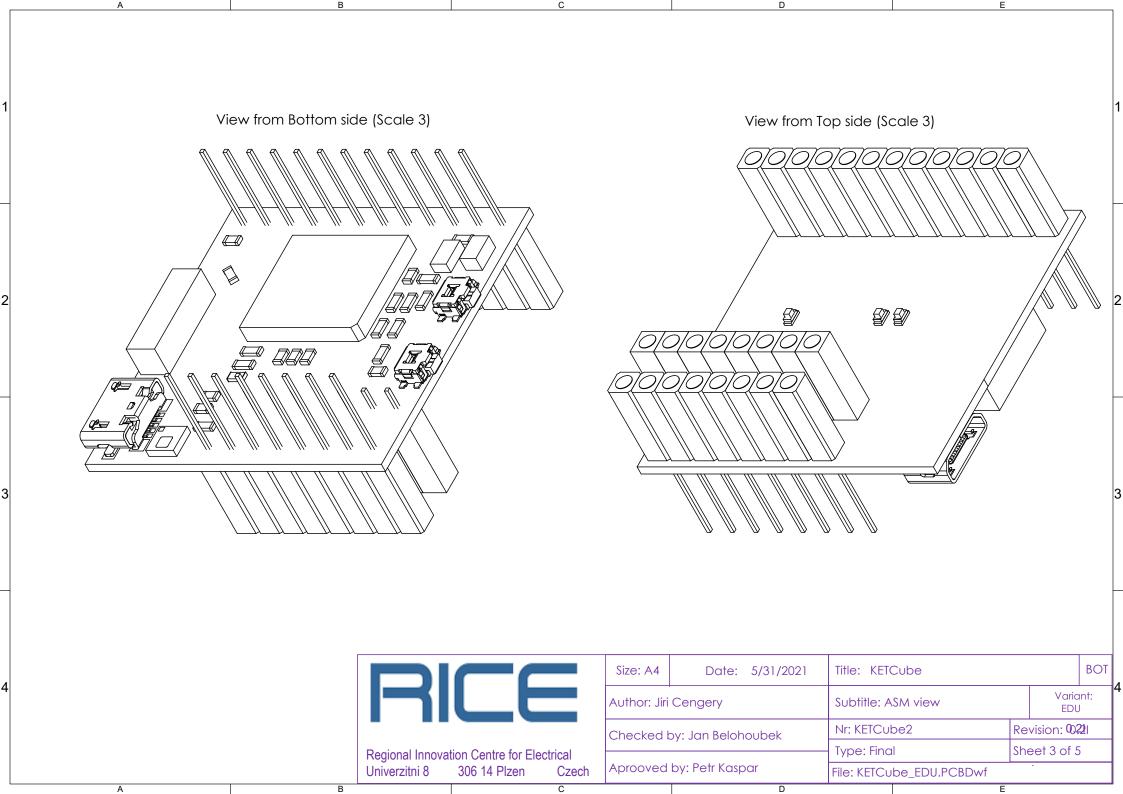


View from Bottom side (Scale 4)



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				Size: A4	Date: 5/31/2021	Title: KETCu	ube		
			Author: Jiri	Cengery	I SUBTITIE: ASM VIEW		Varia EDU		
				Checked b	oy: Jan Belohoubek	Nr: KETCube	e2 Re	evision: 0.	<u>2</u> I
	Regional Innovation Centre for Electrical			Aprooved by: Petr Kaspar		Type: Final	Sh	neet 2 of 5	5
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Bill Of Materials - TOP

Line #	Designator	Value	Description	Footprint	Quantity	Manuf Part Number
6	D1, D3	KPTD-1608LVZGCK	OPT LED green 525nm 2mA 220mcd 2.65V 0603	sm_opt_led0603_h37	2	KPTD-1608LVZGCK
7	D2	KPTD-1608LVSECK- J3-PF	OPT LED red 625nm 2mA 50mcd 1.8V 0603	sm_opt_led0603_h37_opp	1	KPTD-1608LVSECK- J3-PF
10	H4	SSQ-112-03-F-S	CON Receptacle 1x10 100 mils, leads length 10mm	TH_CON_REC1x12_PIT100_L400	1	SSQ-112-03-F-S
11	H5	2212S-08SG-85	CON Receptacle 1x8 100 mils, hight 8.5mm	TH_CON_REC1x8_PIT100	1	2212S-08SG-85
13	H8	SSQ-108-03-F-S	CON Receptacle 1x8 100 mils, leads length 10mm	TH CON REC1x8 PIT100 L400	1	SSQ-108-03-F-S

Bill Of Materials - BOT

Line #	Designator	Value	Description	Footprint	Quantity	Manuf Part Number
1	AN1	W3214	MOD antenna CHIP 863-873 MHz, ISM, IoT, 10x3.2x5mm	SM_ANT_W3214	1	W3214
2	C1, C3, C6, C10, C12	100n	CAP CER .10UF 50V X7R 10% 0603	sm_cap_0603	5	C1608X7R1H104K080 AA
	C2, C4	10u	CAP CER 10uF 6.3V X5R 10% 0603	sm_cap_0603	2	GRM188R60J106KE47 D
4	C5, C7, C8, C9	1.00u	CAP CER 1.0UF 16V X7R 10% 0603	sm_cap_0603	4	C1608X7R1C105K
5	C11	10.0p	CAP CER 10.0p 50V C0G 5% 0603	sm_cap_0603	1	GRM1885C1H100JA01 D
8	D4	MBR0520LT	DIO schottky 20V 0.5A SOD123	SM_DIO_SOD123	1	MBR0520LT1G
12	H7	47346-1001	CON USB micro B, USB 2; 5 pins; righ angle, PCB mount SMT	SM_CON_USB_MICRO_B_FEMALE_47346_10 01	1	47346-1001
14	IC1	CMWX1ZZABZ-078	Lora modul Murata (STM32L, 868 MHz, 915 MHz) 12 x 12 mm	TH_MOD_PIN48_LoRa_Murata	1	CMWX1ZZABZ-078
15	IC2	MCP1700T-3302E	ICS LDO regulator Vout=3.3V, 250mA, Vin=6V, SOT23-3, Vdrop = 200mV	sm_io_sot23_pin3	1	MCP1700T-3302E/TT
16	IC3	HDC2080	ICS Digital humidity and temperature sensor, I2C, +-0,2°C, +-2%RH, supply 1.62 - 3.6 V, protect IP67	SM_IO_WSON6_PIT40	1	HDC2080DMBT
	L1	1000R	EMI 0603 1000R/ 100MHz 300mA 0,6R	sm_emi_0603	1	742792664
	R1, R5, R9	10.0k	RES 0603 10.0k 1% 100ppm SMD thick film	sm_res_0603	3	ERJ3EKF1002V
	R2	750	RES 0603 750R 1% 100ppm SMD thick film	sm_res_0603	1	ERJ3EKF7500V
20	R3, R4	330	RES 0603 330R 1% 100ppm SMD thick film	sm_res_0603	2	ERJ3EKF3300V
21	R7, R8	2.20k	RES 0603 2.20k 1% 100ppm SMD thick film	sm_res_0603	2	ERJ3EKF2201V
22	SW1, SW2	EVQP7J01P	SWI Tactile Switch SPST-NO Side Actuated Surface Mount, travel 02 mm, Right Angle	SM_SWI_EVQP7J	2	EVQP7J01P

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_	ation Centre for Ele 306 14 Plzen	ctrical Czech

	Cube	Size: A4 Date: 5/31/2021			
	ASM view Varian EDU	Author: Jiri Cengery			
	be2 Revision: 0.2	Checked by: Jan Belohoubek			
	Sheet 4 of 5	A proposed by Betr Keeper			
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