Solar Sensor Tag EFM THSensor parts

Reduced part list for TH sensors with VL2020 battery

Ref	Value	Size / Case / Spec	PartNo. / Alternatives
THSenso	or project		
IC3	M24256	SOIC-8 3,9mm P1.27mm, EEPROM	M24256E-FMN6TP M24256-BRMN6TP
			M24M01-DFMN6TP
IC5	Reg. 3,0V	bridge pin 1-5	
IC6	EFM32	QFN-32, MCU AMTEL (EFM32HG210F32 for release not tested)	EFM32HG210F64-B-QFN32
IC7	TCK106AF	SOT23-5	TCK106AF,LF
IC_S3	SHT4x	SHT4x 1.5x1.5mm P0.8mm	SHT40-AD1B-R2 SHT40A SHT41A
D2	BAS40-05	SOT-23, common cathode, low leakage or bridge pin 2-3	BAS40-05 BAS70-05 BAT54C
D4	LED RedGreen	5mm/3mm, THT, 3Pin, common cathode	WP59SURKCGKW
D5	BAS385	MicroMELF, 0603, 0805, low leakage	CDBU40
D7	150	0603 (resistor instead of diode)	
C1	100n	0603	CL10B104KA8NNWC
C4	47uF 6,3V	1206, X5R, poss. Tantal 1210 low height	CL31A476MQHNNNE
C5	100nF	0603	
C6	1nF	0603	
C7	1uF	0805	CL21B105KAFNNNE
C10	100nF	0603	
C11	220pF	0603	
C12	100nF	0603	
R3	10k	unbridge for debug	
R4	6k8	0603, I2C pullup	
R5	6k8	0603, I2C pullup	
R10	47k	0603	
R11	620	0603	
R12	240	0603	
R13	10k	0603	
R14	10k	0603	
JP1		bridge	
TRX1	CC1101 868MHz	19x17mm module	
ANT	83mm 868MHz	isolated wire antenna	
BT1	VL2020	Li.Va. battery cell with solder tabs Charge end 3.4V, Discharge end: 2,5V! max. short load current not spec.!	VL2020/1HF VL2020/HFN BL2020
TA1	PushButton	6x6mm from CASE	
SP1	SC-3722-9	SolarPanel 4V, 37x22mm from CASE	
LP	HM SST V1.0	PCB, 31,2x41,2mm, 4-layer	
CASE		SolarPowerFlashLight	