

Prj: Smartlock

Co.: Marek Vitula

Prj date: 12/14/2019 8:41:50 PM

\$ date: 2019-12-14 20:49:52



Refs	Value
AE2	Antenna Sigfox
BT1	Battery_Cell
C1	33p
C11,C12	250p/16V
C13,C14	30p/50V
C15,C16	150p/50V
C2	47u/10V
C28,C32-C31	1u
C3,C4,C25-	4.7u
C30,C31	10pF
C38,C39	5p/50V
C5,C21,C22	2.2u
C9,C10	1n
C6-C8,C17-	100n
D1	MMSZ5237BT1G
J1	Hirose U.FL
J2	Conn_01x05
J3	Conn_01x09
J4	Conn_ARM_JTAG_SW_D_10
J5	USB_B_Micro
L1,L2	470n
R1,R2	1k
R3,R4	2.4R
R5	10k
R6	2k
R7,R8,R10,	4k7
R9	10m
SW1,SW2	SW_Push
U1	INNOCOMM-SN10-11
U2	MPC17531ATEJ
U3	K32L2B21VLH0A
U4	MCP73831-2-OT
U5	LTC2941CMS8E
U6	TPS78330
U7	PN7150
Y1	27.12 MHz XRCGB27M120F3M10R0

Global Part Info

Footprint

Antenna:sigfox
Battery:BatteryHolder_MPD_BH-18650-PC2
Capacitor_SMD:C_0805_2012Metric
Capacitor_SMD:C_0805_2012Metric
Capacitor_SMD:C_0805_2012Metric
Capacitor_SMD:C_0805_2012Metric
Capacitor_Tantalum_SMD:CP_EIA-3528-21_Kemet-B
Capacitor_SMD:C_0805_2012Metric
Capacitor_SMD:C_0805_2012Metric
Capacitor_SMD:C_0805_2012Metric
Capacitor_SMD:C_0805_2012Metric
Capacitor_SMD:C_0805_2012Metric
Capacitor_SMD:C_0805_2012Metric
Capacitor_SMD:C_0805_2012Metric
Diode_SMD:D_SOD-123
Connector_Coaxial:U.FL_Hirose_U.FL-R-SMT-1_Vertikal
Connector_PinHeader_2.54mm:PinHeader_1x05_P2.54mm_Vertikal
Connector_PinHeader_2.54mm:PinHeader_1x09_P2.54mm_Vertikal
Connector_PinHeader_1.27mm:PinHeader_2x05_P1.27mm_Vertikal
Connector_USB:USB_Micro-B_Molex_47346-0001
Inductor_SMD:L_0805_2012Metric
Resistor_SMD:R_0805_2012Metric
Resistor_SMD:R_0805_2012Metric
Resistor_SMD:R_0805_2012Metric
Resistor_SMD:R_0805_2012Metric
Resistor_SMD:R_0805_2012Metric
Resistor_SMD:R_0805_2012Metric
Connector_PinHeader_1.27mm:PinHeader_1x02_P1.27mm_Vertikal
Antenna:InnoCommsN10-11
Package_SO:HTSSOP-20-1EP_4.4x6.5mm_P0.65mm_EP3.4x6.5mm_ThermalVias
Package_QFP:LQFP-64_10x10mm_P0.5mm
Package_TO_SOT_SMD:SOT-23-5
Package_SO:MSOP-8-1EP_3x3mm_P0.65mm_EP1.68x1.88mm
Package_TO_SOT_SMD:SOT-23-5
Package_DFN_QFN:QFN-40-1EP_6x6mm_P0.5mm_EP4.6x4.6mm
Crystal:Crystal_SMD_2016-4Pin_2.0x1.6mm

Board Qty: 3
Unit Cost: CZK1,047.28
Total Cost: CZK3,141.85 CZK2,376.06 CZK1,504.56

Manf#	Qty	Unit\$	Ext\$	Digi-Key Ext\$	Farnell Ext\$
206764-0100	3	CZK62.45	CZK187.36	CZK250.18	CZK187.36
1043	3	CZK60.44	CZK181.31	CZK181.31	CZK211.88
C0805C330K5HACAUTO	3	CZK0.52	CZK1.56	CZK1.56	
08055A251JAT2A	6	CZK6.79	CZK40.76		
08055A300GAT2A	6	CZK2.85	CZK17.08	CZK17.08	
08055A151FAT2A	6	CZK7.96	CZK47.79	CZK49.19	CZK48.33
TPSB476M010T0250	3	CZK8.15	CZK24.46	CZK24.46	
C0805C105K8RACTU	15	CZK1.08	CZK16.16	CZK62.55	CZK25.04
C0805C475K8PACTU	18	CZK1.92	CZK34.58	CZK75.05	CZK53.06
SQCFVA100JATME	6	CZK21.79	CZK130.71	CZK130.71	
08055A5R0CAT2A	6	CZK3.98	CZK23.89	CZK23.89	
C0805C225K8RACTU	12	CZK3.30	CZK39.64	CZK45.54	CZK66.54
C0805C102J5GAC7210	6	CZK3.05	CZK18.27		
C0805C104K8RACTU	30	CZK3.51	CZK105.41	CZK105.41	CZK128.70
MMSZ5237BT1G	3	CZK4.69	CZK14.06	CZK14.06	CZK14.36
U.FL-R-SMT-1(10)	3	CZK21.13	CZK63.39	CZK92.06	CZK63.39
5-146274-5	3	CZK5.50	CZK16.50	CZK16.50	CZK40.97
22-30-3093	3	CZK4.47	CZK13.40	CZK13.79	CZK13.40
M50-3500542	3	CZK25.80	CZK77.40	CZK83.63	CZK77.40
47346-0001	3	CZK21.22	CZK63.65	CZK73.79	CZK63.65
LQW21HNR47J00L	6	CZK11.71	CZK70.28	CZK70.28	
RT0805FRE071KL	6	CZK2.29	CZK13.76	CZK14.06	CZK13.76
ESR10EZPF2R40	6	CZK0.39	CZK2.32	CZK2.32	
RT0805FRE0710KL	3	CZK2.34	CZK7.03	CZK7.03	CZK7.49
RT0805FRE072KL	3	CZK2.34	CZK7.03	CZK7.03	
RT0805FRE134K7L	12	CZK1.50	CZK17.99		
CFN0805-FX-R010ELF	3	CZK12.42	CZK37.25	CZK43.57	
M50-3530242	6	CZK1.52	CZK9.11	CZK16.87	CZK9.11
SN10-11-INNO	10	CZK92.43	CZK924.34		
MPC17531ATEJ	3	CZK58.56	CZK175.69	CZK175.69	CZK182.11
K32L2B21VLH0A	3	CZK69.43	CZK208.30	CZK208.30	
MCP73831T-3ACI/OT	3	CZK13.12	CZK39.35	CZK39.35	CZK40.71
LTC2941CMS8E#PBF	3	CZK73.25	CZK219.76	CZK229.10	CZK219.76
C0805C475K8PACTU	3	CZK2.95	CZK8.84	CZK18.27	CZK8.84
PN7150B0HN/C11004Y	3	CZK85.81	CZK257.44	CZK257.44	
XRCGB27M120F3M10R0	3	CZK8.67	CZK26.00	CZK26.00	CZK28.72

CZK2,790.10

CZK924.34

Mouser	Texim
Ext\$	Ext\$
CZK250.18	
CZK181.31	
CZK10.54	
CZK40.76	
CZK66.06	
CZK47.79	
CZK87.14	
CZK16.16	
CZK34.58	
CZK130.71	
CZK23.89	
CZK39.64	
CZK18.27	
CZK105.41	
CZK14.06	
CZK83.63	
CZK26.00	
CZK30.92	
CZK83.63	
CZK66.76	
CZK70.28	
CZK16.87	
CZK22.49	
CZK8.43	
CZK8.43	
CZK17.99	
CZK37.25	
CZK15.46	
	CZK924.34
CZK175.69	
CZK282.51	
CZK39.35	
CZK229.10	
CZK11.95	
CZK470.85	
CZK26.00	