

**Revision****Date****Generated** 2018-02-01 0:42:21**Company****Comment 1****Comment 2****Comment 3****Comment 4****Total Parts** 74 (Unique 37)

Ref	Qty	Value	Footprint	Datasheet	Digikey P/N	EIA Case Code	Manufacturer	Manufacturer P/N
[BT] -								
BT1	2	Battery_Cell	Battery_Holders:Keystone_1058_1x2032-CoinCell					
BT2								
[C] -								
C1	11	100uF	Capacitors_Tantalum_SMD:CP_Tantalum_Case-X_EIA-7343-43_Hand	<a href="https://content.kemet.com/datasheets/KEM_T2005_T491.pdf">https://content.kemet.com/datasheets/KEM_T2005_T491.pdf</a>	399-8410-1-ND	7343-43	KEMET	T491X107K025AT
C2								
C3	3	1.5nF	Capacitors_SMD:C_0603_HandSoldering					
C4								
C5	3	10uF	Capacitors_SMD:CP_Elec_4x4.5	<a href="https://industrial.panasonic.com/cdbs/www-data/pdf/RDE0000/ABA0000C1184.pdf">https://industrial.panasonic.com/cdbs/www-data/pdf/RDE0000/ABA0000C1184.pdf</a>	Digikey P/N: PCE4527CT-ND		Panasonic	EEE-FP1C100AR
C6								
C7	1	150pF	Capacitors_SMD:C_0603_HandSoldering					
C8								
C9	6	100nF	Capacitors_SMD:C_0603_HandSoldering					
C10								
C11	2	1000uF	Capacitors_SMD:CP_Elec_10x10.5	<a href="https://industrial.panasonic.com/cdbs/www-data/pdf/RDE0000/ABA0000C1142.pdf">https://industrial.panasonic.com/cdbs/www-data/pdf/RDE0000/ABA0000C1142.pdf</a>	PCE4567CT-ND		Panasonic	EEE-1AA102UAP
C12								
C13	2	22uF 20% 6.3V	Noise Meter Kicad Footprint Library:Feedthrough_C_0805_HandSoldering		445-7085-1-ND		TDK	YFF21PC0J226MT00
C14								
C15	2	10uF	Capacitors_THT:C_Rect_L31.5mm_W13.0mm_P27.50mm_MKS4	<a href="https://content.kemet.com/datasheets/KEM_F3103_R60.pdf">https://content.kemet.com/datasheets/KEM_F3103_R60.pdf</a>	Digikey P/N: 399-15654-ND		KEMET	C4AEGBU5100A1X
C16								
C17	1	0.1uF	Capacitors_THT:C_Rect_L13.0mm_W6.0mm_P10.00mm_FKS3_FKP3_MKS4	<a href="https://en.tdk.eu/inf/20/20/db/fc_2009/X2_B32921_928.pdf">https://en.tdk.eu/inf/20/20/db/fc_2009/X2_B32921_928.pdf</a>			ECPOS/TDK	
C18								
C19	1	0.1uF 20% 6.3V	Noise Meter Kicad Footprint Library:Feedthrough_C_0805_HandSoldering	<a href="https://product.tdk.com/info/en/catalog/datasheets/3tf_commercial_yff-p_en.pdf">https://product.tdk.com/info/en/catalog/datasheets/3tf_commercial_yff-p_en.pdf</a>	445-3022-1-ND		TDK	YFF21PC1E104MT00
C20								

[CON] -									
CON1	1	LCD-4-digit	Noise Meter Kicad Footprint Library:4-digit-LCD-footprint						
CON2	1	5110_LCD	Noise Meter Kicad Footprint Library:5110						
CON3	1	5110_LCD_ALT	Noise Meter Kicad Footprint Library:5110-Alt						
[D] -									
D1	1	1N4148	Diodes_SMD:D_SOD-123						
[J] -									
J1	1	Conn_Coaxial	Noise Meter Kicad Footprint Library:SMA-CONN						
J2	1	Conn_01x05_Male	Pin_Headers:Pin_Header_Angled_1x05_Pitch2.54mm						
J3	1	Conn_01x02	Pin_Headers:Pin_Header_Angled_1x02_Pitch2.54mm						
[L] -									
L1	L2	2	FB	Inductors_SMD:L_0805					
[Q] -									
Q1									
Q2	4	MMBT2222A	TO_SOT_Packages_SMD:SOT-23						
Q3									
Q4									
[R] -									
R1	R7	3	15K	Resistors_SMD:R_0603_HandSoldering					
R17									
R2	1	82	Resistors_SMD:R_0603_HandSoldering						
R3									
R12	3	510	Resistors_SMD:R_0603_HandSoldering						
R16									
R4	1	360	Resistors_SMD:R_0603_HandSoldering						
R5	1	2.7K	Resistors_SMD:R_0603_HandSoldering						
R6									
R10	2	680	Resistors_SMD:R_0603_HandSoldering						
R8	1	100	Potentiometers:Potentiometer_Trimmer_Bourns_3214J	<a href="http://www.bourns.com/docs/Product-Datasheets/3214.pdf">http://www.bourns.com/docs/Product-Datasheets/3214.pdf</a>		3214J-101ECT-ND	Bourns	3214J-1-101E	
R9	1	750	Resistors_SMD:R_0603_HandSoldering						
R11	1	820	Resistors_SMD:R_0603_HandSoldering						
R13									
R14	2	24	Resistors_SMD:R_0603_HandSoldering						
R15	1	200	Resistors_SMD:R_0603_HandSoldering						
R18	1	10M	Resistors_SMD:R_0603_HandSoldering						
[SW] -									
SW1	1	SW_DPST	Buttons_Switches_THT:SW_CuK_JS202011AQN_DPDT_Angled						
SW2									
SW3	4	SW_Push	Buttons_Switches_SMD:SW_SPST_B3SL-1002P						
SW4									
SW5									
[U] -									
U1	2	OPA2227EP	SMD_Packages:SOIC-8-N						
U2									
U3	1	PIC16F19156	Housings_SSOP:SSOP-28_5.3x10.2mm_Pitch0.65mm						
U5	1	AD8436	SMD_Packages:SSOP-20						

**BOM made with KICAD\_BOM\_WIZARD (Generated 2018-02-01 0:42:21)**