

Designator	Quantity	Value	PackageReference	Comment
U7	1	RT8258 (or Opt: LMR12010, LMR12007, MCP16301)	SOT23-6	RT8258_LMR12010
U6	1	LM3478MAX/LM3478MM/LM3488MM	SOIC-8/VSSOP-8	LM3478MAX-LM3488MM
U5	1	DS3231SN/DS3231MZ	SOIC-16W/SOIC-8	DS3231SN_DS3231MZ
U4	1	ULN2003D	SOIC-16	ULN2003D
U3	1	CD4504BM	SOIC-16	CD4504BM
U1, U2	2	HV5122PJ-G	PLCC-44	HV5122PJ_PLCC
TEM1-1	1	PH2.0-3p Right	PH2.0-3p Right	PH2.0-3p_R_DS18B20
SPI1	1	PLD-4		PLD-4
R63	1	18.2k	0805	18.2k 0805
R62	1	95.3k	0805	95.3k 0805
R61	1	0.1 Ohm	2512	0.1 Ohm 2512
R58	1	10k	3296W	10k3296W
R55	1	10K Opt	0805	10K Opt 0805
	1			1k Packaging
R51	1	1 Ohm	1206	1 OhmPackaging
R50	1	1.5 MOhm	0805	1.5 MOhm 0805
R37, R38, R48, R54	4	1k	0805	1k 0805
R35, R41, R42, R56, R67	5	4.7k	0805	4.7k 0805
R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R65	25	150 Ohm	0805	150 Ohm 0805
R7, R8, R9, R10, R36	5	150k	0805	150k 0805
R1, R2, R3, R4, R5, R6	6	24k	0805	24k 0805
R0	1	0 ohm	1206	0 ohmPackaging
Q1	1	FDD6N25	DPAK	STD18N55M5
NX1, NX2, NX3, NX4, NX5, NX6	6	IN-14		14_Tube_Socket

L2	1	22uH 2A	SMD 10.8x10.8mm	22uH 2A
L1	1	220uH 1.2A	SMD 12x12mm	220uH 1.2A
IR1	1	TSOP4836	DIP-3	IR_Receiver_ TSOP48
GPS1-1, TEM1	2	Jack 3.5mm	ST-T11M-030- 00-0	Jack_3m5
GPS1	1	PH2.0-4p	PH2.0-4p	PH2.0- 4p_GPS
ExDOWN, ExMODE, ExUP, LS1	4	PH2.0-2p		PH2.0-2p
DS1, DS2, DS3, DS4	4	IN-3	PIN2	Lamp_Nixie
DOWN, MODE, UP	3	SWT-3/13	SWT-3/13, h=13, L=9	Button_SWT- 3
DG3	1	PLS-4	PLS-4	PLS-4_DG3
DG2	1	PLS-8	PLS-8	PLS-8
DG1	1	PLS-10	PLS-10	PLS-10
D15	1	SS16/SS26	SMA/SMB	DS_SS16
D14	1	SMBJ220CA	SMB	SMBJ220CA
D12	1	LED Pow	1206	Red
D11	1	SMAJ18CA	SMA	SMAJ18CA
D10	1	1N4148 Opt	SOD-80C	DL4148
D9	1	ES2J	SMB	ES2F
D1, D2, D3, D4, D5, D6, D7, D8	8	KT-SMD3528-RGB	3528 (PLCC- 4)	LED_RGB_35 28
C18	1	100nF 250V	1206	100nF 250V 1206
C15	1	10uF 250V Low ESR	TH & SMD D10mm	Low ESR TH & SMD D10mm
C14	1	10nF 50V	0805	10nF 50V 0805
C11, C16	2	220uF 16V	SMD 6.3x7.7mm	220uF 16V SMD 6.3x7.7mm
C7	1	10uF 10V Size-A/B	Size-A/B (SMD3216/3 528)	Size-A/B Size- A/B (SMD3216/3 528)
C6, C12, C13, C19, C20	5	10uF 16V	0805	10uF 16V 0805
C1, C2, C3, C4, C8, C9, C10, C17, C21, C22, C23	11	100nF 50V	0805	100nF 50V 0805
BT1	1	CR1220 (KEYS1056)	SMD	Bat_Holder_ CR1220

B1	1	HCS0903G	SMD 8.5x8.5mm	Buzzer HCS0903G
AN1, PWR1	2	PLS-6	PLS-6	PLS-6
5V, 12V, 12V1, 180V, DOUT1, DOUT2, GND, LE, LEO, MOSI, MOSIO, SCK, SCKO	13			TestPoint