

		Designator	Quantity	Value	PackageReference	Comment
1 - Resistors	1	R63	1	18.2k	0805	
	2	R62	1	95.3k	0805	
	3	R61	1	0.1 Ohm	2512	
	4	R58	1	10k	3296W	
	5	R56, R35, R41, R42, R67	5	4.7k	0805	
	6	R55	1	10K-Opt	0805	
	7	R54	1	1k	0805	
	8	R51	1	1 Ohm	1206	
	9	R50	1	1.5 MOhm	0805	
	10	R37, R38, R48	3	1k	0805	
	11	R19, R20, R21, R22, R23, R24, R25, R26	8	150 Ohm	0805	
	12	R11, R12, R13, R14, R15, R16, R17, R18, R27, R28, R29, R30, R31, R32, R33, R34, R65	17	100 Ohm	0805	
	13	R7, R8, R9, R10, R36	5	150k	0805	
	14	R1, R2, R3, R4, R5, R6	6	22k	0805	
	15	R0	1	0 Ohm	1206	
	16	R53	1	0 Ohm	0805	
2 - Capacitors	17	C14	1	10nF 50V	0805	10nF 50V 0805
	18	C12, C13, C19, C20	4	10uF 16V	0805	10uF 16V 0805
	19	C1, C2, C3, C4, C8, C9, C10, C17, C21, C22, C23	11	100nF 50V	0805	100nF 50V 0805
	20	C7	1	10uF 16V Tantal	Size-A (SMD3216)	
	21	C18	1	100nF 250V	1206	100nF 250V 1206
	22	C11, C16	2	220uF 16V	TH & 'SMD 6.3x7.7mm	NACE221M16V6.3X8TR13F NIC COMPONENTS
	23	C15	1	10uF 250V	TH & SMD 10x10mm	NACV100M250V10X10.8TR13F NIC COMPONENTS
3 - Diodes	24	D15	1	SS26	SMA	
	25	D14	1	SMBJ220CA	SMB	
	26	D12	1	LED Pow	1206	Red
	27	D11	1	SMAJ18CA	SMA	SMAJ18CA
	28	D10	1	1N4148-Opt	SOD-80C	DL4148
	29	D9	1	ES2J	SMB	ES2F
	30					
4 - IC's & Transistors	31	U1, U2	2	HV5122PJ-G	PLCC-44	
	32	U3	1	CD4504BM	SOIC-16	
	33	U4	1	ULN2003D	SOIC-16	
	34	U5	1	DS3231S	SOIC-16W	
	35	U6	1	LM3488MM	VSSOP-8	Replace LM3478MM
	36	U7	1	RT8258	SOT23-6	Replace : LMR12010, LMR12007, MCP16301)
	37	TEM1	1	PH2.0-3p	PH2.0-3p	DS18B20
	38	IR1	1	TSOP4836	DIP-3	IR Receiver
	39	Q1	1	FDD6N25	DPAK	Transistor MOSFET N-Chanal
5 - Coils	40	L2	1	22uH 2A	SMD 10.8x10.8mm	22uH 2A
	41	L1	1	220uH 1.5A	SMD 12x12mm	220uH 1.5A
6 - Misc	42	GPS1-1	1	Jack 3.5mm	ST-11M-030-00-0	Jack_3m5
	43	DOWN, MODE, UP	3	SWT-3/13	SWT-3/13, h=13, L=9	Button_SWT-3
	44	BT1	1	Battery Holder CR1220	SMD CR1220	
	45			Battery CR1220		
		B1	1	HCS0903G	SMD 8.5x8.5mm	Buzzer HCS0903G Replace STD0833C
	46	SPI1	1	PLD-4		PLD-4

	47	DG3	1	PLS-4	PLS-4	PLS-4_DG3
	49	AN1, PWR1	2	PLS-6	PLS-6	PLS-6
	50	DG2	1	PLS-8	PLS-8	PLS-8
	51	DG1	1	PLS-10	PLS-10	PLS-10
	52	ExDOWN, ExMODE, ExUP, LS1	4	PH2.0-2p		PH2.0-2p
		GPS1	1	PH2.0-4p	PH2.0-4p	PH2.0-4p_GPS
7- RGB LED	53	D1, D2, D3, D4, D5, D6, D7, D8	8	KT-SMD3528- RGB	3528 (PLCC-4)	LED_RGB_3528
8 - Nixie Tubes	54	NX1, NX2, NX3, NX4, NX5, NX6	6	IN-14	option	option
9 - Neon lamps		DS1, DS2, DS3, DS4	4	IN-3	PIN2	Lamp_Nixie
		Пайка	1			
10 - Mechanical		PCB NCS314 v2.0	1			
		Hex Pillar M3 5mm	4			
		Hex Pillar M3 12mm	4			
		Hex Pillar M3 18mm	2			
		Screw M3 L=6 mm	6			