

SHIELD NCS314 V2.0 03.08.2017									
		Designator	Quantity			Value	PackageReference	Comment	
1 - Resistors	1	R63	1	125	125	18.2k	0805		
	2	R62	1	125	125	95.3k	0805		
	3	R61	1	125	125	0.1 Ohm	2512		
	4	R58	1	125	125	10k	3296W		
	5	R56, R35, R41, R42, R67	5	125	625	4.7k	0805		
	6	R55	4	125	125	10K Opt	0805		
	8	R51	1	125	125	1 Ohm	1206		
	9	R50	1	125	125	1.5 MOhm	0805		
	10	R37, R38, R48, 'R54	4	125	500	1k	0805		
	11	R19, R20, R21, R22, R23, R24, R25, R26	8	125	1000	150 Ohm	0805		
	12	R11, R12, R13, R14, R15, R16, R17, R18, R27, R28, R29, R30, R31, R32, R33, R34, R65	17	125	2125	100 Ohm	0805		
	13	R7, R8, R9, R10, R36	5	125	625	150k	0805		
	14	R1, R2, R3, R4, R5, R6	6	125	750	22k	0805		
	15	R0	1	125	125	0 Ohm	1206		
	16	R53	1	125	125	0 Ohm	0805		
	2 - Capacitors	17	C14	1	125	125	10nF 50V	0805	10nF 50V 0805
18		C12, C13, C19, C20	4	125	500	10uF 16V	0805	10uF 16V 0805	
19		C1, C2, C3, C4, C8, C9, C10, C17, C21, C22, C23	11	125	1375	100nF 50V	0805	100nF 50V 0805	
20		C7	1	125	125	10uF 16V Tantal	Size-A (SMD3216)		
21		C18	1	125	125	100nF 250V	1206	100nF 250V 1206	
22		C11, C16	2	125	250	220uF 16V	TH & 'SMD 6.3x7.7mm	NACE221M16V6.3X8TR13F NIC COMPONENTS	
23		C15	1	125	125	10uF 250V	TH & SMD 10x10mm	NACV100M250V10X10.8TR13F NIC COMPONENTS	
3 - Diodes	24	D15	1	125	125	SS26	SMA		
	25	D14	1	125	125	SMBJ220CA	SMB		
	26	D12	1	125	125	LED Pow	1206	Red	
	27	D11	4	125	125	SMAJ18CA	SMA	SMAJ18CA	
	28	D10	4	125	125	1N4148 Opt	SOD-80C	DL4148	
	29	D9	1	125	125	ES2J	SMB	ES2F	
	30			125	0				
4 - IC's & Transistors	31	U1, U2	2	125	250	HV5122PJ-G	PLCC-44		
	32	U3	1	125	125	CD4504BM	SOIC-16		
	33	U4	1	125	125	ULN2003D	SOIC-16		
	34	U5	1	125	125	DS3231S	SOIC-16W		
	35	U6	1	125	125	LM3488MM	VSSOP-8	Replace LM3478MM	
	36	U7	1	125	125	RT8258	SOT23-6	Replace : LMR12010, LMR12007, MCP16301)	
	37	TEM1	1	125	125	PH2.0-3p	PH2.0-3p	DS18B20	
	38	IR1	1	125	125	TSOP4836	DIP-3	IR Receiver	
	39	Q1	1	125	125	FDD6N25	DPAK	Transistor MOSFET N-Chanal	
5 - Coils	40	L2	1	125	125	22uH 2A	SMD 10.8x10.8mm	22uH 2A	
	41	L1	1	125	125	220uH 1.5A	SMD 12x12mm	220uH 1.5A	
	42	GPS1-1	1	125	125	Jack 3.5mm	ST-11M-030-00-0	Jack_3m5	
6 -Misc	43	DOWN, MODE, UP	3	125	375	SWT-3/13	SWT-3/13, h=13, L=9	Button_SWT-3	
	44	BT1	1	125	125	Battery Holder CR1220	SMD CR1220		
	45			125	0	Battery CR1220			
		B1	1	125	125	HCS0903G	SMD 8.5x8.5mm	Buzzer HCS0903G Replace STD0833C	
	46	SPI1	1	125	125	PLD-4		PLD-4	
	47	DG3	1	125	125	PLS-4	PLS-4	PLS-4_DG3	
	49	AN1, PWR1	2	125	250	PLS-6	PLS-6	PLS-6	
	50	DG2	1	125	125	PLS-8	PLS-8	PLS-8	
	51	DG1	1	125	125	PLS-10	PLS-10	PLS-10	
	52	ExDOWN, ExMODE, ExUP, LS1	4	125	500	PH2.0-2p		PH2.0-2p	
7- RGB LED	53	D1, D2, D3, D4, D5, D6, D7, D8	8	125	1000	KT-SMD3528-RGB	3528 (PLCC-4)	LED_RGB_3528	
	54	NX1, NX2, NX3, NX4, NX5, NX6	6	125	750	IN-14	option	option	
8 - Nixie Tubes		DS1, DS2, DS3, DS4	4	125	500	IN-3	PIN2	Lamp_Nixie	
9 - Neon lamps		Пайка	1	125	125				
10 - Mechanical		PCB NCS314 v2.0	1	125	125				
		Hex Pillar M3 5mm	4	125	500				
		Hex Pillar M3 12mm	4	125	500				
		Hex Pillar M3 18mm	2	125	250				
		Screw M3 L=6 mm	6	125	750				