

SHIELD NCS314 V1.2 04.05.2017

№	Designator	Qty	Value	Package
1	U7	1	RT8258 (or Opt: LMR12010, LMR12007, MCP16301)	SOT23-6
2	U6	1	MAX1771CSA	SOIC-8
3	U5	1	DS3231S	SOIC-16W
4	U4	1	ULN2003D	SOIC-16
5	U1, U2, U3	3	HV5812WG	SOIC-28W
6	TEM1	1	DS18B20	TO-92
7	T3, T4	2	PMBTA42	SOT-23
8	SPI1	1	PLD-4	
9	R63	1	18.2k	0805
10	R62	1	95.3k	0805
11	R61	1	0.1 Ohm	2512
12	R58	1	10k	3296W
13	R55	1	10K Opt	0805
14	R52, R7, R8, R9, R10	5	150k	0805
15	R51	1	1 Ohm	1206
16	R50	1	1.5 MOhm	0805
17	R37, R38, R44, R45, R48, R54	6	1k	0805
18	R35, R41, R42, R53, R56, R67	6	10k	0805
19	R19, R20, R21, R22, R23, R24, R25, R26	8	150 Ohm	0805
20	R11, R12, R13, R14, R15, R16, R17, R18, R27, R28, R29, R30, R31, R32, R33, R34, R65	17	100 Ohm	0805
21	R1, R2, R3, R4, R5, R6	6	22k	0805
22	Q1	1	STD18N55M5 (IRFR320TRPBF)	DKAK
23	NX1, NX2, NX3, NX4, NX5, NX6	6	IN-14	
24	L2	1	22uH 2A	SMD 10.8x10.8mm
25	L1	1	220uH 1.5A	SMD 12x12mm
26	IR1	1	TSOP4836	DIP-3
27	GPS1-1	1	Jack 3.5mm	ST-11M-030-00-0
28	GPS1	1	PH2.0 4p	PH2.0 4p
29	F1	1	0 ohm	1206
30	ExDOWN, ExMODE, ExUP, LS1	4	PH2.0 2p	PH2.0 2p
31	DS1, DS2, DS3, DS4	4	IN-3	PIN2
32	DOWN, MODE, UP	3	SWT-3/13	SWT-3/13, h=13, L=9
33	DG3	1	PLS-4	PLS-4
34	DG2	1	PLS-8	PLS-8
35	DG1	1	PLS-10	PLS-10
36	D15	1	SS26	SMA
37	D14	1	SMBJ220CA	SMB
38	D13 (can be replaced by 91K 0805!!!)	1	ZM4764A (can be replaced by 91K 0805!!!)	DO-213AB
39	D12	1	LED Pow	1206
40	D11	1	SMAJ18CA	SMA
41	D10	1	IN4148-Opt	SOD-80C
	D9	1	ES2J	SMB
43	D1, D2, D3, D4, D5, D6, D7, D8	8	KT-SMD3528-RGB	3528 (PLCC-4)
44	C16	1	1000uF 16V	TH & SMD D10mm
45	C15	1	10uF 250V Low ESR	TH & SMD D10mm
46	C14	1	10nF 50V	0805
47	C12, C13, C19, C20	4	10uF 16V	0805
48	C11	1	220uF 16V	SMD 6.3x7.7mm
49	C7, C23	2	10uF 16V Size-A	Size-A (SMD3216)
50	C2, C4, C6, C18	4	100nF 250V	1206
51	C1, C3, C5, C8, C9, C10, C17, C21, C22	9	100nF 50V	0805
52	BT1 + батарейка CR1220	1	CR1220 (KEYS1056)	SMD
53	B1	1	HCS0903G	SMD 8.5x8.5mm
54	AN1, PWR1	2	PLS-6	PLS-6
55	not marked on PCB	4	M3x5mm	IN-OUT Hex pillar
56	not marked on PCB	4	M3x12mm	IN-IN Hex pillar
57	not marked on PCB	2	M3x18mm	IN-IN Hex pillar
58	not marked on PCB	6	M3x6mm L=6mm	Screw