

GS1-NR v1.0.1 BOM

these are included in the partial DIY kit

Value	Count	Location	Mouser	Alternatives	Notes
Resistors					
1% Metal 1/4W					
1K	4	R2,R3,R9,R10	Search "MFR 1K 1/4w" etc		These should be 1% all the rest 5%
47K	1	R8			These should be 1% all the rest 5%
Resistors					
5% Carbon 1/4W					
1K	1	R6			
2K2	4	R13,R14,R24,R25			
5K6	2	R11,R12			
10K	6	R5,R15,R16,R31,R33,R35			
47K	2	R117,R118			
100K	7	R1,R4,R7,R22,R29,R30,R34			
150K	3	R18,R19,R23			
330K	2	R26,R27			
680K	1	R28			
1M5	2	R20,R21			
Capacitors					
MLCC					
100n	2	C303,C304	mlcc leaded 0.1uf		2.5mm leg spacing
Polyester (Nichicon QYX)					
1n	1	C5	qyx 1nf 50v		5mm leg spacing
10n	2	C1,C6	qyx 10nf 50v		5mm leg spacing
33n	1	C4	"qyx 33nf 50v"		5mm leg spacing
100n	2	C2,C3	"qyx 100nf 50v"		5mm leg spacing
Electrolytic					
10u/25 BP	3	C21,C22,C33	UVP1E100MDD1TD		BI-POLAR!!!
47u/25	2	C300,C301			Low profile, but normal 11mm will fit laying on an angle towards each other
Diodes					
1N5817	2	D301,D302	511-1N5817		
IC					
4558	1	IC2			
LM1496	1	IC1		MC1496	
Transistors					

2SC1815	4	Q1,Q3,Q4,Q5 NOS rare part	2SC945,2SC2603
2SC828	1	Q2 NOS rare part	2SC945,2SC2603,2SC1815 The fabled 808 noise transistor... any NPN ECB in reality works! Selected for noise etc

These are provided in the partial kit option.

Trimmer

100K	2 VR1,VR2	652-3362P-1-104LF	3362
10K	1 VR3	652-3362P-1-103LF	3362

Misc

PJ301M	5	Thonk etc	Thonkiconn
PWR	1		10pin euro power header or 2x5 pin header