

# GS1-M version 1.0.0 BOM

Part substitution is fine, if you have lots of 1% resistors, then go for it.

The only thing to watch is the height of electrolytics, **low profile ones must be used** (an example Mouser part is provided)

Voltages also not an issue, anything over 16v should be good, maybe 25v for the 47uF in the power filtering.

In the Mouser column, I've either placed a part number or search terms. Due to part shortages etc, using that string will find you suitable parts to choose from what is in stock etc.

Components in **blue** are on the upper control board.

Value	Count	Location	Mouser	Alternatives	Notes
<b>Resistors</b>					
<b>5% Carbon 1/4W</b>					
1K	1	R8	Search "CFR 1K 1/4w" etc		e.g. CFR-25JT-52-1K
10K	6	R1,R2,R3,R4,R6,R7			
100K	3	R5,R9,R10			
<b>Capacitors</b>					
<b>MLCC</b>					
100n	2	C303,C304	e.g. K104K10X7RF5TL2		2.5mm leg spacing
<b>Electrolytic</b>					
10u/25	2	C300,C301	e.g. ECE-A1EKS100		11mm max height, lay flat, or try a low profile
<b>Diodes</b>					
1N5817	2	D301,D302	511-1N5817		
<b>IC</b>					
4558	2	IC1,IC2	RC4558P		Could be alternative like TL072/82 etc
<b>Misc</b>					
2P2T	1	S1	Thonk etc	DPDT	Mini size 2P2T switch - can have large pins e.g. <a href="https://www.aliexpress.com/item/328812993">https://www.aliexpress.com/item/328812993</a>
PJ301M	5	IN1-4,OUT	Thonk etc		Thonkiconn
A1M	5	VR1-VR4,VR6	Thonk etc		Song-heui Tall Trimmer Pot (can use an Alpha if prefer with a small trimmer cap)
PWR	1	SV1			10pin euro power header or 2x5 pin header