

# Buchla format 248 Expander BOM for rev2 MARFs

by SAMODULAR

	Designator	Quantity	Description	Mouser Part#
<b>Resistors</b>				
270R	R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20	16	1% 1/4W	<a href="#">660-MF1/4DC2700F</a>
1K	R1, R2, R3, R4	4	1% 1/4W	<a href="#">660-MF1/4DC1001F</a>
<b>Capacitors</b>				
0.1uF ceramic	F1, F2, F3, F4, F5, F6, F7, F8, F9, C8	10	Ceramic 5mm	<a href="#">810-FA28X7R1H10400</a>
22uF elec	F10	1	Electrolytic 2mm	<a href="#">647-UPS1H220MDD</a>
<b>ICs</b>				
LM1117IMPX33	IC9	1		<a href="#">926-LM1117IMPX33NOPB</a>
MAX4617CPE	IC1, IC2, IC6, IC7	4	16pin DIP	<a href="#">700-MAX4617CPE</a>
HC595	IC3, IC4, IC5, IC8	4	16pin DIP	<a href="#">595-CD74HC595E</a>
<b>Potentiometers</b>				
50K lin	POT1-POT32	32	Sliders	<a href="#">SAMODULAR</a>
<b>Misc</b>				
DIP sockets		8	16pin	<a href="#">SAMODULAR</a>
IDC header		1	16pin	<a href="#">571-1761681-6</a>
LEDs		16	3mm	<a href="#">604-WP710A10ID5V</a>
Standoffs 15mm I/I		4		<a href="#">SAMODULAR</a>
Switchcaps blue		16		<a href="#">SAMODULAR</a>