

## ES9023 Power Supply Parts List (BOM)

	R	PCB Part ID	Qty	Value	Mouser	Manufacturer PN	Package	Informations
<b>Caps</b>	1	C2 - C4 - C5	3	1uF/25v - X7R - 10%	963-TMK325B7105KD-T	TMK325B7105KD-T	CMS 1210	Reverse PCB side
	2	C6 - C9	2	4,7uF/50v - 5x11mm - 20%	667-EEU-FC1H4R7	EEU-FC1H4R7	LS 2mm	Polarised
	3	C1 - C3	2	1000uF/25v - 10x20mm - 20%	667-EEU-FR1E102	EEU-FR1E102	LS 5mm	Polarised
	4	C8 *** - C12	2	100nF/63v - 2,5x7,5mm - 5%	75-MKT1817410065	MKT1817410065	LS 5mm	
	5	C7	1	1nF/400v - 2,5x7,5mm - 5%	75-MKT1817210404	MKT1817210404	LS 5mm	
<b>Resistors</b>	6	R1	1	4,99K - 0,1% - 25ppm/c - 125mW	667-ERA-6AEB4991V	ERA-6AEB4991V	CMS 0805	
	7	R2	1	2,15K - 0,1% - 25ppm/c - 250mW	66-PFC08LF2.15K-B	PFC-W0805LF-03-2151-B	CMS 0805	
	8	R3	1	60,4R - 1% - 250mW - Metal Film	603-MFR-25FTE52-60R4	MFR-25FTE52-60R4	Through hole	
	9	R4	1	1,2K - 0,1% - 25ppm/c - 125mW	667-ERA-6AEB122V	ERA-6AEB122V	CMS 0805	Reverse PCB side
	10	R5 **	1	2,2R - 1% - 500mW - Metal Film	603-MFR50SFTE52-2R2	MFR50SFTE52-2R2	Through hole	
<b>IC</b>	11	IC1	1	LM723N	926-LM723CN/NOPB	LM723CN/NOPB	MDIP-14	Check Orientation
	12	LED1	1	Green Led - 3mm - 12,6mcd - 20mA	859-LTL-4231N	LTL-4231N	T1	Polarised
	13	Q1	1	BD140 - 80v - 1,5A - PNP	511-BD140	BD140	SOT-32	Check Orientation
	14	B1	1	DF01S - Bridge - 100V/1,5A	512-DF01S	DF01S	SDIP-4	Reverse PCB side
<b>Inductor</b>	15	L1	1	EMI Filter - 300Ohms/5A/80v	810-ACM7063012PLTL01	ACM7060-301-2PL-TL01	CMS 7060	
<b>Connectors</b>	16	X1 - X2	2	Header	651-1888687	1888687	LS 5,08mm	
<b>Fuse</b>	17	F1	1	Fuse 160mA/250V - 8,5x7,6mm	504-SR-5-160MA-AP	SR-5-160MA-AP	Through hole	
<b>Transformer</b>	*	TR2	1	P : 230V - Sec : 8V/0,3A - 2,4VA	838-3FD-316	3FD-316	Through hole	Check Orientation

\* Transformer TR2 -> Not included in the GB as previously told several times.

\*\* R5 value is 2R2 but will be delivered 5% 1W vs 1% 1/2W as specified in the BOM (unavailable at this time).

\*\*\* C8b : Alternative SMD part - C8 or C8b not both parts to be populated - C8 is delivered in the GB.