

Original Xbox Replacement Capacitor Reference Guide

24-02-2023



Summary – Motherboard Version 1.6 – 1.6b

Capacitor Specifications									
Priority	#	Description	Type	Capacitance	Voltage	Height	Width	Spacing	Quantity
High	1	CLK	TH	1 F	2.7v	12mm	8mm	3.5mm	1
High	3	CPU/PSU	TH	2200 uF	6.3v	20mm	10mm	5.0mm	5
High	4	MB	TH	1500 uF	6.3v	20mm	10mm	5.0mm	3
Medium	5	MB	TH/SMD	100 uF	25v	11mm	6mm	2.5mm	3
Medium	6	MB	TH/SMD	22 uF	25v	11mm	5mm	2.5mm	11
Low	7	MB	SMD	47 uF	16v	4.6mm	6.3mm	---	1
Low	8	MB	SMD	10 uF	16v	4.6mm	4.0mm	---	3

Kemet		
Type	Series	Part Number
Super	HVZ	HVZ0E105NF
Polymer	A759	A759MS228M0JAAE013
Polymer	A759	A759MS158M0JAAE013
Polymer	A758	A758EK107M1CAAE018
Polymer	A758	A758EK226M1EAAE050
Electrolytic	EXV	EXV476M016A9GAA
Electrolytic	EXV	EXV226M016A9BAA

Nichicon		
Type	Series	Part Number
Super	JUM	JUMT1105MPD
Polymer	RNL	RNL1C222MDS1
Polymer	RNL	RNL1C152MDS1
Electrolytic	UHE	UHE1E101MED
Electrolytic	UPS	UPS1E220MDD
Electrolytic	UZS	UZS1C470MCL1GB
Electrolytic	UZS	UZS1C100MCL1GB

Detailed - Motherboard Version 1.6 – 1.6b

Capacitor Specifications									
Priority	#	Description	Type	Capacitance	Voltage	Height	Width	Spacing	Designator
High	1	CLK	TH	1 F	2.7v	12mm	8mm	3.5mm	C8C1
High	2	CPU	TH	2200 uF	6.3v	20mm	10mm	5.0mm	C2E2
High	3	CPU	TH	2200 uF	6.3v	20mm	10mm	5.0mm	C1E2
High	4	CPU	TH	2200 uF	6.3v	20mm	10mm	5.0mm	C1E1
High	5	PSU	TH	2200 uF	6.3v	20mm	10mm	5.0mm	C1G10
High	6	PSU	TH	2200 uF	6.3v	20mm	10mm	5.0mm	C1F2
High	7	MB	TH	1500 uF	6.3v	20mm	10mm	5.0mm	C2B2
High	8	MB	TH	1500 uF	6.3v	20mm	10mm	5.0mm	C7F1
High	9	MB	TH	1500 uF	6.3v	20mm	10mm	5.0mm	C5G2
Medium	10	MB	TH	100 uF	25v	11mm	6mm	2.5mm	C1B1
Medium	11	MB	TH	100 uF	25v	11mm	6mm	2.5mm	C8F5
Medium	12	MB	TH	100 uF	25v	11mm	6mm	2.5mm	C8G2
Medium	13	MB	TH	22 uF	25v	11mm	5mm	2.5mm	C7A2
Medium	14	MB	TH	22 uF	25v	11mm	5mm	2.5mm	C8E3
Medium	15	MB	TH	22 uF	25v	11mm	5mm	2.5mm	C8G1
Medium	16	MB	TH	22 uF	25v	11mm	5mm	2.5mm	C7G11
Medium	17	MB	TH	22 uF	25v	11mm	5mm	2.5mm	C7G3
Medium	18	MB	TH	22 uF	25v	11mm	5mm	2.5mm	C6G3
Medium	19	MB	TH	22 uF	25v	11mm	5mm	2.5mm	C4G5
Medium	20	MB	TH	22 uF	25v	11mm	5mm	2.5mm	C3G8
Medium	21	MB	TH	22 uF	25v	11mm	5mm	2.5mm	C2G4
Medium	22	MB	TH	22 uF	25v	11mm	5mm	2.5mm	C1G9
Medium	23	MB	TH	22 uF	25v	11mm	5mm	2.5mm	C1G7
Low	24	MB	SMD	47 uF	16v	4.6mm	6.3mm	---	C7B9
Low	25	MB	SMD	10 uF	16v	4.6mm	4.0mm	---	C3B1
Low	26	MB	SMD	10 uF	16v	4.6mm	4.0mm	---	C6A1
Low	27	MB	SMD	10 uF	16v	4.6mm	4.0mm	---	C6A3

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Type	Series	Part Number
Super	HVZ	HVZ0E105NF
Polymer	A759	A759MS228M0JAAE013
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Polymer	A759	A759MS228M0JAAE013
Polymer	A759	A759MS228M0JAAE013
Polymer	A759	A759MS228M0JAAE013
Polymer	A759	A759MS158M0JAAE013
Polymer	A759	A759MS158M0JAAE013
Polymer	A759	A759MS158M0JAAE013
Polymer	A758	A758EK107M1CAAE018
Polymer	A758	A758EK107M1CAAE018
Polymer	A758	A758EK107M1CAAE018
Polymer	A758	A758EK226M1EAAE050
Polymer	A758	A758EK226M1EAAE050
Polymer	A758	A758EK226M1EAAE050
Polymer	A758	A758EK226M1EAAE050
Polymer	A758	A758EK226M1EAAE050
Polymer	A758	A758EK226M1EAAE050
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Nichicon		
Type	Series	Part Number
Super	JUM	JUMT1105MPD
Polymer	RNL	RNL1C222MDS1
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Polymer	RNL	RNL1C222MDS1
Polymer	RNL	RNL1C222MDS1
Polymer	RNL	RNL1C222MDS1
Polymer	RNL	RNL1C222MDS1
Polymer	RNL	RNL1C152MDS1
Polymer	RNL	RNL1C152MDS1
Polymer	RNL	RNL1C152MDS1
Electrolytic	UHE	UHE1E101MED
Electrolytic	UHE	UHE1E101MED
Electrolytic	UHE	UHE1E101MED
Electrolytic	UPS	UPS1E220MDD
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Electrolytic	UPS	UPS1E220MDD
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Electrolytic	UPS	UPS1E220MDD
Electrolytic	UPS	UPS1E220MDD
Electrolytic	UPS	UPS1E220MDD
Electrolytic	UPS	UPS1E220MDD
Electrolytic	UPS	UPS1E220MDD
Electrolytic	UPS	UPS1E220MDD
Electrolytic	UZS	UZS1C470MCL1GB
Electrolytic	UZS	UZS1C100MCL1GB
Electrolytic	UZS	UZS1C100MCL1GB
Electrolytic	UZS	UZS1C100MCL1GB