

JTK-VSSA Mouser Specific Bill Of Materials For Revision ‘C’ Boards

COMPONENT DESIGNATION	MOUSER PART NUMBER	COMPONENT DESCRIPTION	COMPONENT FUNCTION
C1	75-MKT1820610014	Vishay MKT1820 Series,10µF, 100V, 22.5mm LS, Polyester Film	Input Coupling
C2	810-FK28C0G1H471J	TDK FK Series, 470pF, 50V, 5mm LS, C0G MLCC Ceramic	Input Filter
C3	647-UFG1H100MDM	Nichicon FG Series, 10µF, 50V, 2mm LS, 5mm ø, Aluminum Electrolytic	VBE Bias Generator Bypass
C4 C5	647-UFG0J222MHM	Nichicon FG Series, 2200µF, 6.3V, 5mm LS, 12.5mm ø, Aluminum Electrolytic	Feedback Network DC Blocking
C7 C9 C10 C12	647-UFG1H102MHM	Nichicon FG Series, 1000µF, 50V, 7.5mm LS, 16mm ø, Aluminum Electrolytic	Local Power Supply Decoupling
C6 C8 C11 C13	871-B32529C105J	EPCOS B32529 Series, 1µF, 63V, 5mm LS, Metallized Polyester Film	Local Power Supply Decoupling
C14 C15	871-B32529C3473J	EPCOS B32529 Series, 47nF, 100V, 5mm LS, Metallized Polyester Film	Zobel Network
COMP1 COMP2	598-CDA15ED220XXB	Cornell-Dubiler CDA15 Series, 22pF, 500V, 5mm LS, Mica	VAS HF Compensation
VR1 VR3	652-3296W-1-501LF	Bourns 3296W Series, 500Ω, 25T Multi-Turn Trimmer	CCS Adjust
VR2	652-3296W-1-502LF	Bourns 3296W Series, 5KΩ, 25T Multi-Turn Trimmer	VBE Bias Generator Adjust
Q1 Q5	512-KSC1845FTA	Fairchild Semiconductor KSC1845F	CCS / IPS
Q2 Q4	512-KSA992FTA	Fairchild Semiconductor KSA992F	CCS / IPS
Q3	512-BC560CTA	Fairchild Semiconductor BC560C	CCS
Q6 Q8	512-BC550CTA	Fairchild Semiconductor BC550C	CCS
Q7	512-KSA1220AYS	Fairchild Semiconductor KSA1220AY	VAS
Q9	512-KSC2690AYS	Fairchild Semiconductor KSC2690AY	VAS
D1 D2 D3 D4	625-UF4007-E3	Vishay UF4007 Ultra Fast Rectifier	PS Filter / Ground Breaker
R1-R19	Not Specified	1/4W MF or 1/4W CF General Purpose Resistors, 1% Tolerance	All Except As Noted Below
R20 R21	Not Specified	1W CF General Purpose Resistor, 1%-5% Tolerance	Zobel Network
R7-R10	Not Specified	1/4W-1/2W MF or 1/4W-1/2W CF General Purpose Resistors, 1% Tolerance Or Better	Feedback Network, Note: Select For Closest Matches