

VSSA1 Rev B, Bill of Materials, mechanical components not included

19. April 2013

<u>Ref Name</u>	<u>Qty</u>	<u>Comp/Value</u>	<u>Package</u>	<u>Description</u>
Q1	1	BC550C	TO-92	Transistor
Q2	1	BC560C	TO-92	Transistor
Q3	1	KSA1381E	TO-126	Transistor, PNP, Fairchild
Q4	1	KSC3503D	TO-126	Transistor, NPN, Fairchild
Q5	1	2SK1058	TO-3P	MOSFET, Renesas
Q6	1	2SJ162	TO-3P	MOSFET, Renesas
C1	1	10uF	Radial	Capacitor, Electro, Bipolar, 2mm
C2	1	100pF	Box	Capacitor, Film, 5 mm
C3, C4	2	1uF	Box	Capacitor, Film, Bypass, 5mm
C5, C6	2	1000uF	Radial	Capacitor, Electrolytic, 50V
C7, C8	2	2200uF	Radial	Capacitor, Electrolytic, 6.3V
C9, C10	2	1uF	Box	Capacitor, Film, Bypass, 5mm
C11, C12	2	47 pF	Box	Capacitor, Silver Mica (Comp)
C13	1	1uF	Box	Capacitor, Film, Bypass, 5mm
C14	1	0.1uF	Box	Capacitor, Film, Bypass, 5mm (Zobel)
C15, C16	2	1000uF	Can	Capacitor, Electrolytic, 50V, Low ESR
C17, C18	2	10uF	Box	Capacitor, Film, Bypass, 15mm
D1, D2	2	1N4148	Axial	Diode
D3, D4	2	1N4007	Axial	Diode
IN	1	HDR-2	Header	Header, or 2 Term. Block, 2.5mm
Vpos, Vneg, GND	3	FASTON	TAB	Tab Conn., or 3 Term. Block, 5mm
OUT	1	FASTON	TAB	Tab Connector
VR1, VR2	2	1M	RA_PREC	Potentiometer, Multi-turn, Vertical
OFF1, OFF2	2	(tbd)	Axial	Resistor, optional w. VR1, VR2
R1	1	1k	Axial	Resistor, 1%
R2	1	10k	Axial	Resistor, 1%
R3, R4	2	470	Axial	Resistor, 1%
R5, R6	2	15k	Axial	Resistor, 1%
R7, R8	2	100R	Axial	Resistor, 1% Matched or 0.1%
R9, R10, R11, R12	4	10R	Axial	Resistor, 1%, 0.5W
R13	1	100R	Axial	Resistor, 1% (Gate, 2SK1058)
R14	1	100R	Axial	Resistor, 1% (Gate, 2SJ162)
R15, R16	2	2K2	Axial	Resistor, 1% Matched or 0.1%
R17	1	470R	Axial	Resistor, 1%
R18	1	10R	Axial	Resistor, 1W (Zobel)
R19	1	1R	Axial	Resistor (or 0-R jumper)