



STS Kit Parts list (1)

All the components in this list are included in the kit
Tous les composants de cette liste sont inclus dans le kit

Reference	Value	Qty	Description	Marking	Dim (2)	Manuf.
R24 x2	5R6	2	Resistor 5%, 1/4W	GRN-BLU-BLK-SLV-BRN		
R27, R28 x2	10R	4	Resistor 1%, 1/4W	BRN-BLK-BLK-GLD-BRN		
R45, R46 x2	22R	4	Resistor 1%, 1/4W	RED-RED-BLK-GLD-BRN		
R7, R8, R17, R18, R36, R37 x2	47R	12	Resistor 1%, 1/4W	YEL-VIO-BLK-GLD-BRN		
R32 x2	82R	2	Resistor 1%, 1/4W	GRY-RED-BLK-GLD-BRN		
R30, R31 x2	120R	4	Resistor 1%, 1/4W	BRN-RED-BLK-BLK-BRN		
R15, R26 x2	1K	4	Resistor 1%, 1/4W	BRN-BLK-BLK-BRN-BRN		
R34 x2	1K2	2	Resistor 1%, 1/4W	BRN-RED-BLK-BRN-BRN		
R10, R11, R25, R39, R40 x2	2K2	10	Resistor 1%, 1/4W	RED-RED-BLK-BRN-BRN		
R22, R42, R43 x2	3K3	6	Resistor 1%, 1/4W	ORG-ORG-BLK-BRN-BRN		
R20, R21 x2	4K7	4	Resistor 1%, 1/4W	YEL-VIO-BLK-BRN-BRN		
R16, R33, R35, R41 x2	5K6	8	Resistor 1%, 1/4W	GRN-BLU-BLK-BRN-BRN		
R4, R6 x2	6K8	4	Resistor 1%, 1/4W	BLU-GRY-BLK-BRN-BRN		
R3, R5, R9, R14, R19, R23, R38, R44 x2	10K	16	Resistor 1%, 1/4W	BRN-BLK-BLK-RED-BRN		
R1, R2, R47, R48, R49 x2	47K	10	Resistor 1%, 1/4W	YEL-VIO-BLK-RED-BRN		
R12, R13 x2	100K	4	Resistor 1%, 1/4W	BRN-BLK-BLK-ORG-BRN		
R29 x2	120R	2	Resistor 1%, 1W	BRN-RED-BRN-GLD		
C17, C21, C29 x2	47p-100V	6	Capacitor Ceramic		R2.5	
C1, C2, C37, C38 x2	470p-100V	8	Capacitor Ceramic	471	R5	
C39a, C40a	100n-100V	2	Capacitor Ceramic	104	R5	
C12 x2	220p-100V	2	Capacitor Film	220	R2.5	Wima
C25, C27 x2	1n5-100V	4	Capacitor Film	1500	R5	Wima
C11, C22, C26 x2	6n8-100V	6	Capacitor Film	6800	R5	Wima
C3, C6, C33, C36 x2	470n-100V	8	Capacitor Film	u47	R7.5	Epcos
C4, C5, C7, C8, C9, C10, C13, C14, C15, C30 x2	33u-35V	20	Capacitor Electro Low ESR, 105°		D5R2	
C16, C23, C24, C28, C31, C32, C34, C35 x2	100u-25V	16	Capacitor Electro Low ESR, 105°		D6.3R2.5	
C18 x2	100u-63V	2	Capacitor Electro Low ESR, 105°		D8R3.5	
C19, C20	330u-25	2	Capacitor Electro Low ESR, 105°		D8R3.6	
C41a	470u-35V	1	Capacitor Electro Low ESR, 105°		D10R5	
C42a, C43a, C44, C45a, C46a, C47	1000u25V	6	Capacitor Electro Low ESR, 105°		D10R6	
L1, L2 x2	22mH	4	Inductor	223J		
L4a, L5a, L6a, L7a	22uH	4	Inductor	no marking or 220		
L3a		1	Common mode inductor			
H1, H2 x2		4	Simulation coil			
D1, D2 x2	Zener 2V4	4	1/2W Zener diode			
D3, D4 x2	1N914	4	Signal diode			

D5a	1N4004	1	Rectifier diode			
Q1 x2	BD139	2	NPN power transistor			
Q2 x2	BD140	2	PNP power transistor			
U1, U2, U3 x2	NE5532A	6	Dual Op-Amp			
U4 x2	THAT 1646	2	Balanced line driver			
U5a	CC6-1212DF-E	1	DV/DC converter 12V-->+/-15V	TDK-Lambda		
P1 x2	10KA	2	Potentiometer 10K lin			Alps
P2 x2	10KB	2	Potentiometer 10K log			Alps
SW1 x2	DPDT	2	Min toggle switch on/off/on			
SW2 x2	DPDT	2	Min toggle switch on/on			
CN1a		1	DC-IN Connector			
CN2 x2	NC3FBH2	2	XLR socket 3pins fem. PCB			
CN3 x2	NC3MBH	2	XLR socket 3pins male PCB			
CN4 x2		2	SIL 2.54 connector 4 pins			
IC socket	8 pins	8	IC socket			
TP1, TP2, TP3 x2, V+, V-, 0V		11	Test pin			
Knob		4	Aluminium knob			
Main PCB	STS PCB	1	PCB			
Peak-meter	VUM16	2	Peak meter 16 LEDs Kit			
PSU	12V-1A	1	External PSU			
XLR assembly	M2.5x6	8	Self tapping screw pan head			
Vu-meters assembly	M3	4	Nut			
Vu-meters assembly	M3	4	Metal washer			
Vu-meters assembly	M3x20	4	Spacers 20mm			
Vu-meters assembly	M3x12	4	Screw pan head			
Vu-meters assembly	M3x6	4	Screw pan head			
Case (only in full kit)		1	Case W:233 x H:44 x D:176			
(1) Data can be changed without notice						
(2) Rx : spacing between leads or pins=x, Dx : diameter=x, Lx : Pot spindle length=x, Dimensions in mm unless differently stated						
(1) Les donnée peuvent être modifiées sans préavis						
(2) Rx : distance entre les pattes=x, Dx : diamètre=x, Lx : longueur axe du potentiomètre=x, Dimensions en mm sauf mention contraire						
Schematic Rev 1.4						
PCB Rev 1.4						
Last modified : 13/06/2015						



VuM-16 Kit Parts list (1)

All the components in this list are included in the kit
Tous les composants de cette liste sont inclus dans le kit

Reference	Value	Qty	Description	Marking	Dim (2)	Manuf.
R1, R2	33R	2	Resistor 1%, 1/4W	ORG-ORG-BLK-GLD-BRN		
R3	68R	1	Resistor 1%, 1/4W	BLU-GRY-BLK-GLD-BRN		
R5	110R	1	Resistor 1%, 1/4W	BRN-BRN-BLK-BLK-BRN		
R4	130R	1	Resistor 1%, 1/4W	BRN-ORG-BLK-BLK-BRN		
R7	137R	1	Resistor 1%, 1/4W	BRN-ORG-VIO-BLK-BRN		
R6	150R	1	Resistor 1%, 1/4W	BRN-GRN-BLK-BLK-BRN		
R8	169R	1	Resistor 1%, 1/4W	BRN-BLU-WHT-BLK-BRN		
R9	220R	1	Resistor 1%, 1/4W	RED-RED-BLK-BLK-BRN		
R10	270R	1	Resistor 1%, 1/4W	RED-VIO-BLK-BLK-BRN		
R18, R19	330R	2	Resistor 1%, 1/4W	ORG-ORG-BLK-BLK-BRN		
R11	340R	1	Resistor 1%, 1/4W	ORG-YEL-BLK-BLK-BRN		
R12	432R	1	Resistor 1%, 1/4W	YEL-ORG-RED-BLK-BRN		
R13	866R	1	Resistor 1%, 1/4W	GRY-BLU-BLU-BLK-BRN		
R14	1K2	1	Resistor 1%, 1/4W	BRN-RED-BLK-BRN-BRN		
R15	1K8	1	Resistor 1%, 1/4W	BRN-GRY-BLK-BRN-BRN		
R16	5K9	1	Resistor 1%, 1/4W	GRN-WHT-BLK-BRN-BRN		
R23	10K	1	Resistor 1%, 1/4W	BRN-BLK-BLK-RED-BRN		
R17	15K	1	Resistor 1%, 1/4W	BRN-GRN-BLK-RED-BRN		
R21	100K	1	Resistor 1%, 1/4W	BRN-BLK-BLK-ORG-BRN		
R20, R22	220K	2	Resistor 1%, 1/4W	RED-RED-BLK-ORG-BRN		
P1	20K	1	Trimmer pot horizontal	203 or 20K		
C3	100n-100V	1	Capacitor Ceramic	104	R5	
C1, C2, C4, C5	33u-35V	4	Capacitor Electro Low ESR, 105°		D5R2	Nichicon
D17, D18	1N914	2	Signal diode	914 or 4148		
D1...D8	Green	8	High efficiency green LED		D3	
D9, D10	Yellow	2	High efficiency yellow LED			
D11, D12	Orange	2	High efficiency orange LED			
D13...D16	Red	4	High efficiency red LED			
U1, U2, U3, U4	LM339N	4	Quad comparator			
U5, U6	LM317LZ	2	Positive voltage regulator			
U7	TL072CN	1	Dual op-amp			
PCB		1	PCB		60x68	

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(2) Rx : distance entre les pattes=x, Dx : diamètre=x, Lx : longueur axe du potentiomètre=x, Dimensions en mm sauf mention contraire

Schematic Rev 1.3 - PCB Rev 1.3

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