



## 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-BRN-BRN or 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-BRN-BRN or RED-RED-BLK-BLK-BRN		
R10	270R	1	Resistor 1%, 1/4W	RED-VIO-BRN-BRN or RED-VIO-BLK-BLK-BRN		
R18, R19	330R	2	Resistor 1%, 1/4W	ORG-ORG-BRN-BRN or 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-ORG-BRN or 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-YEL-BRN or BRN-BLK-BLK-ORG-BRN		
R20, R22	220K	2	Resistor 1%, 1/4W	RED-RED-YEL-BRN or 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	

(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 données 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 1.3 - PCB Rev 1.3

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