

AX14pro\_BOM

Reference	Value	Footprint
C1	10u	Capacitor_THT:C_Rect_L16.5mm_W4.9mm_P15.00mm_MKT
C2, C9, C10	100p	Capacitor_THT:C_Rect_L7.2mm_W2.5mm_P5.00mm_MKP2
C3	1,5n	Capacitor_THT:C_Rect_L7.2mm_W4.5mm_P5.00mm_MKP2
C4, C5	22u/63	Capacitor_THT:CP_Radial_D5.0mm_P2.50mm
C6	100u/16	Capacitor_THT:CP_Radial_D6.3mm_P2.50mm
C7	47p	Capacitor_THT:C_Rect_L7.2mm_W2.5mm_P5.00mm_MKP2
C8, C12, C13, C14, C18	100n	Capacitor_THT:C_Rect_L7.2mm_W2.5mm_P5.00mm_MKP2
C15, C16	470u	Capacitor_THT:CP_Radial_D10.0mm_P5.00mm
D1, D2, D3	1N4148	Diode_THT:D_DO-35_SOD27_P7.62mm_Horizontal
D4, D5	1N4007	Diode_THT:D_DO-41_SOD81_P7.62mm_Horizontal
F1, F2	5A	Fuse:Fuseholder_Cylinder-5x20mm_Schurter
J1	IN	Connector_Wago:Wago_734-132_1x02_P3.50mm_Vertical
L1	1uH	Inductor_THT:L_Radial_D21.0mm_P15.00mm_Vishay
Q1, Q5	BC560	Package_TO_SOT_THT:TO-92_HandSolder
Q2, Q4	BC547	Package_TO_SOT_THT:TO-92_HandSolder
Q3	2N5401	Package_TO_SOT_THT:TO-92_HandSolder
Q6	BC546	Package_TO_SOT_THT:TO-92_HandSolder
Q7	BC556	Package_TO_SOT_THT:TO-92_HandSolder
Q8	MJE350	Package_TO_SOT_THT:TO-126- _Vertical
Q9	MJE340	Package_TO_SOT_THT:TO-126- _Vertical
Q10	BD139	Package_TO_SOT_THT:TO-126- _Vertical
Q11	2SC4793	Package_TO_SOT_THT:TO-220- _Vertical
Q12	2SA1837	Package_TO_SOT_THT:TO-220- _Vertical
Q13	2SC5200	Package_TO_SOT_THT:TO-3P-3 _Vertical
Q14	2SA1943	Package_TO_SOT_THT:TO-3P-3 _Vertical
R1,R16	1k	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm
R2, R11	22k	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm
R3	10k	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm
R4, R6, R7, R8	560R	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm
R5, R10, R14, R15, R17, R20	220R	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm
R9, R12, R13	47k	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm
R18, R19	220R/1W	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm
R21, R22	4R7	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm

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R23, R24	0R33	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm
R25	10/5Watt	Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P20.32mm
R26	10R	Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm
R28	10R/5W	Resistor_THT:R_Axial_DIN0309_L9.0mm_D3.2mm_P20.32mm
RV1	500R	Potentiometer_THT:Potentiometer_Vishay_T73XW_Horizontal
TP1, TP2	GND	TestPoint:TestPoint_Bridge_Pitch5.08mm_Drill1.3mm
TP3	+50V	TestPoint:TestPoint_Bridge_Pitch5.08mm_Drill1.3mm
TP4	OUT	TestPoint:TestPoint_Bridge_Pitch5.08mm_Drill1.3mm
TP5	-50V	TestPoint:TestPoint_Bridge_Pitch5.08mm_Drill1.3mm