

BOM

Bill of materials

Project	Fixed voltage power supply				
Date	07.08.11				
Part	Schematic	Price	Article no. @ Reichelt	Amount	Sum
Aluminum housing	-	9,30 €	GEH EG 2	1	9,30 €
Bridge rectifier	U1	0,29 €	B80C1500-WW+	1	0,29 €
Common mode choke	L1	1,15 €	CAF 1,0-27	1	1,15 €
Transformer 30VA, 230V/2x15V	T1	10,15 €	UI 39/21 215	1	10,15 €
Terminal	-	0,63 €	AKL 073-03	1	0,63 €
Hole matrix board 160x100mm	-	1,90 €	H25PR160	1	1,90 €
Mains panel plug with fuse insert	CON1	1,05 €	KES 2SI	1	1,05 €
Mains dual two way switch	S1	1,70 €	DS 059 RT	1	1,70 €
Linear voltage regulator 3,3V LF33V	U4	0,74 €	LF 33 CV	1	0,74 €
Linear voltage regulator 5V μ A78S05	U3	0,41 €	μ A 78S05	1	0,41 €
Linear voltage regulator 12V μ A78S12	U2	0,41 €	μ A 78S12	1	0,41 €
Linear voltage regulator -5V μ A7905	U6	0,25 €	μ A 7905	1	0,25 €
Linear voltage regulator -12V μ A7912	U5	0,25 €	μ A 7912	1	0,25 €
LED socket 5mm	-	0,61 €	EBF I-5	2	1,22 €
Banana socket 4mm, full isolated, yellow	-	0,85 €	BIL 20 GE	1	0,85 €
Banana socket 4mm, full isolated, red	-	0,85 €	BIL 20 RT	1	0,85 €
Banana socket 4mm, full isolated, white	-	0,95 €	BIL 20 WS	1	0,95 €
Banana socket 4mm, full isolated, black	-	0,85 €	BIL 20 SW	1	0,85 €
Banana socket 4mm, full isolated, blue	-	0,85 €	BIL 20 BL	1	0,85 €
Banana socket 4mm, full isolated, green	-	0,85 €	BIL 20 GN	1	0,85 €
Diode 1N4001	D1..D10	0,02 €	1N 4001	10	0,20 €
Electrolytic capacitor 1000 μ F, 35V	C1, C2	0,13 €	RAD 1.000/35	2	0,26 €
Electrolytic capacitor 100 μ F, 16V	C3..C7	0,04 €	RAD 100/16	5	0,20 €
Film capacitor. 100NF	C8..C12	5,00 €	MKS-2 100N	0,08	0,40 €
Resistor 1/4W, 1M Ω	R1	0,03 €	1/4W x	1	0,03 €
Resistor 1/4W, 330 Ω	R2	0,03 €	1/4W x	1	0,03 €
Resistor 1/4W, 470 Ω	R3	0,03 €	1/4W x	1	0,03 €
LED 5mm yellow	D12	0,07 €	LED 5MM GE	1	0,07 €
LED 5mm green	D11	0,07 €	LED 5MM GN	1	0,07 €
Fuse primary	F1	0,20 €	TRÄGE	1	0,20 €
Fuse secondary T1,4A	F2, F3	0,20 €	TRÄGE	2	0,39 €
Fuse holder	-	0,13 €	PL 112000	2	0,25 €
Insulating bush TO220	-	0,04 €	IB 2	5	0,20 €
Mica disc	-	0,04 €	GLIMMER TO 220	5	0,20 €
Print plug 2pol	-	0,05 €	PSS 254/2G	1	0,05 €
Print plug 3pol	-	0,05 €	PSS 254/3G	1	0,05 €
Print plug 5pol	-	0,04 €	PSS 254/5G	1	0,04 €
Print plug connector 2pol	-	0,05 €	PSK 254/2W	1	0,05 €
Print plug connector 3pol	-	0,05 €	PSK 254/3W	1	0,05 €
Print plug connector 5pol	-	0,05 €	PSK 254/5W	1	0,05 €
Pins for print plug connector	-	0,12 €	PSK-KONTAKTE	10	1,15 €
Thermal conductance paste	-	0,94 €	LEITPASTE 4GR	1	0,94 €
Screw, 3mm	-	0,02 €	SKL M3X16-50	5	0,11 €
Nut, 3mm	-	0,01 €	SK M3	5	0,05 €
Serrated lock washer	-	0,01 €	SKZ 3,2-100	1	0,01 €
Flexible wire	-			1	0
Hard wire	-			1	0
Thin plastic for insulation 100x160mm	-			1	0
Sum					39,73 €