

DC Coupled B1 Shunt PSU

DC Coupled B1 Shunt PSU			Hypnotize Standard	Mezmerize Deluxe			
Part	Value	Info	Q	Q	Tips	Farnell	Mouser
Resistors	220K*	1/4W - Audio Parts	2	2	Quality Parts : Takman / Riken / AB / Kiwame / Others - Carbon, Metal, Tantalum type, your taste.		
	220R*	1/4W - Audio Parts	4	4			
	1M*	1/4W - Audio Parts	2	2			
	470R	1/2W - Carbon Film - 5%	4	4	Carbon Type preferred	1357858	293-470-RC
	47R	1/4W - Metal Film - 1%	2	2			
	10R	1/4W - Metal Film - 1%	2	2			
	100R	1/4W - Metal Film - 1%	2	2			
	47K	1/4W - Metal Film - 1%	1	1			
	10K	1/4W - Metal Film - 1%	1	1			
	2K2	1/2W - Metal Film - 1%	1	1			
	68R	1/2W - Metal Film - 1%	4	4			
	600R	1/2W - Metal Film - 1%	2		Required only with 5v relays		
	300R	1/2W - Metal Film - 1%		2			
Caps	4700uF	Electrolytic - Min 25V - 7.5mm	2	2	Pana FC/TS-HA - Silmic II - Nichicon KW/PS Pana FC/TS-HA - Silmic II - Nichicon PM		
	100uF	Electrolytic - Min 25V - 5mm	5	5			
Jfet	2SK170-BL	Matched - N Jfet - TO92	4	4	Matched Quad - BL grade Unmatched - BL Grade	DIYAudio Forum	
	2SK170-BL	Unmatched - N Jfet - TO92	6	6		NA	757-2SK170BLF
Transistors	BC-560	PNP - TO92	1	1		1467886	512-BC560CBU
	BC-556/7/8/9	Alternatives to BC-560	1	1			
	BC-550	NPN - TO92	3	3		1467880	512-BC550CBU
	BC-546/7/8/9	Alternatives to BC-550	3	3			
MOSFET	IRFP240	N Channel - TO-247	2	2		1463256	844-IRFP240PBF
	IRFP140	Alternative to IRFP240				9103040	844-IRFP140PBF
	IRFP9240	P Channel - TO-247	2	2		8649456	844-IRFP9240PBF
	IRFP9140	Alternative to IRFP9240				9103589	844-IRFP9140PBF
Led	Green Led	3mm - 1.7 to 1.8V - 2mcd	16	16	Green preferred - 8 Matched units/rail	1003207	638-HLMP-1700
Rectifier Diode	1N5819	Schottky 40V - 1A	4	4	D0-41	9557350	863-1N5819G

I/O Connectors to PCB

Part	Value	Info	Q	Q	Tips	Farnell	Mouser
Male Conn.	M 3 poles I/O	3 poles Male Pin header	2	7	For PCB - 2.54mm spacing	1462950	538-22-28-0030
Female Conn.	F 3 poles I/O	3 poles Female Connector	2	7	For I/O connectors - 2.54mm spacing	1462834	538-22-01-3037
Crimps	Wiring	For Female Connector	6	21	For Female Connector Wiring (x3)	1462641	538-08-50-0114

Rotary Switch Selector

Part	Value	Info	Q	Q	Tips	Farnell	Mouser
Rotary Switch	2 poles / 6 pos	2 poles / 6 positions		1	Rotary Switch 2 poles / 6 positions	1123691	105-SR2611F-26-38RN
Male Conn.	M 7 poles I/O	7 poles Male Pin header	1	1	For PCB - 2.54mm spacing	1654534	538-22-23-2071
Female Conn.	F 7 poles I/O	7 poles Female Pin header	1	1	For PCB - 2.54mm spacing	NA	538-22-01-3077
	F 4 poles I/O	4 poles Female Connector	1	1	Alternative to 7 poles I/O using 1 x 4 poles + 1 x 3 poles	1462920	538-22-01-3047
	F 3 poles I/O	3 poles Female Connector	1	1		1462834	538-22-01-3037
Crimps	Fem Wiring	For Female Connector	7	7	For Female Connector Wiring (7 poles)	1462641	538-08-50-0114

Relay(s)			Hypnotize Standard	Mezmerize Deluxe			
Part	Value	Info	Q	Q	Tips	Farnell	Mouser
Relay Diode	1N4001	Standard 50v - 1A	1	7	D0-41	1651089	512-1N4001_Q
Decoupling Reg	100nF/63v	100nF/63v - 5mm	1	1	Metal Film Cap Vishay - Wima	1413779	594-2222-370-11104
12v Regulator	L7812	12v Fixed Tension Regulator	1	1	TO-220-3 pins	9756124	511-L7812ACV
12v Relay	G6H-2-100-DC12	12v DC - 2 poles Relay	1	7	Non latching - See Omron specs *	9949208	653-G6H-2-100DC12
05v Relay	G6H-2-100-DC5	05v DC - 2 poles Relay	1	7	Non latching - See Omron specs *	9949194	653-G6H-2-100DC5
Warning : Only one set of 12v or 5v relays !							

Others Hardware

Part	Value	Info	Q	Q	Tips	Farnell	Mouser
Led	Status Led	On / Off Status	1	1	Adjust RLed resistor value to Led Specs	Your Choice	
Transformer	50Va - 2x15V	2x15v - 50Va	1	1	Rcore / EI / Toroidal	Your Choice	
Terminal Block	3 poles	Standard 5.08mm	1	1	90° for PCB - Through hole	3041451	651-1729131
Volume Pot	22K	Log Stereo Pot		1	22K Log Stereo Pot	Your Choice	