

Project Cost						
<b>2 amplifier modules including DC detect</b>					<b>\$ 43.64</b>	
	Part	Desc	#	Item Cost	Project Cost	Comment
Resistors	10R	1/2 W metal film	2	\$ 0.05	\$ 0.10	New
	47R	1/2 W metal film	4	\$ 0.05	\$ 0.20	New
	470R	1/2 W metal film	2	\$ 0.05	\$ 0.10	New
	33R	1/2 W metal film	6	\$ 0.05	\$ 0.30	New
	33K	1/2 W metal film	10	\$ 0.05	\$ 0.50	New
	56K	1/2 W metal film	4	\$ 0.05	\$ 0.20	New
	3k3	1/2 W metal film	2	\$ 0.05	\$ 0.10	New
	27K	1/2 W metal film	10	\$ 0.05	\$ 0.50	New
	330K	1/2 W metal film	2	\$ 0.05	\$ 0.10	New
	22R	1/2 W metal film	6	\$ 0.05	\$ 0.30	New
	220R	1/2 W metal film	2	\$ 0.05	\$ 0.10	New
	1K0	1/2 W metal film	2	\$ 0.05	\$ 0.10	New
	15K	1/2 W metal film	6	\$ 0.05	\$ 0.30	New
	100R	1/2 W metal film	6	\$ 0.05	\$ 0.30	New
	0R33	5 W	12	\$ 0.30	\$ 3.60	New
	10R	5 W	2	\$ -	\$ -	Secondhand from junked electronics
	1K0 VR	Trimpot	2	\$ -	\$ -	Secondhand from junked electronics
	200R VR	Trimpot	2	\$ -	\$ -	Secondhand from junked electronics
Capacitors	1uf	MKT 63v	2	\$ -	\$ -	Secondhand from junked electronics
	330pf	Ceramic 200v	4	\$ -	\$ -	Recycled from old project
	39pf	Ceramic 200v	6	\$ -	\$ -	Recycled from old project
	10pf	Ceramic 200v	2	\$ -	\$ -	Recycled from old project
	0.1uf	MKT100v	10	\$ -	\$ -	Secondhand from junked electronics
	0.1uf	MKT200v	2	\$ -	\$ -	Secondhand from junked electronics
	220uf	160v electrolytic	4	\$ 1.80	\$ 7.20	New
	100uf	50v electrolytic	2	\$ -	\$ -	Secondhand from junked electronics
	330uf	16v electrolytic	2	\$ -	\$ -	Secondhand from junked electronics
	47uf	Bi-polar electrolytic	4	\$ 0.95	\$ 3.80	New
Diodes	1N4148	Or equivalent	6	\$ -	\$ -	Secondhand from junked electronics
Transistors	BC550C	NPN low noise	4	\$ 0.10	\$ 0.40	New
	BC556	PNP or equivalent	4	\$ -	\$ -	Recycled from old project
	2SC1845	NPN high voltage low noise	4	\$ 1.80	\$ 7.20	New
	MJE340	NPN driver	4	\$ 0.56	\$ 2.24	New
	MJE350	PNP driver	4	\$ 0.56	\$ 2.24	New
	BC547	NPN or equivalent	6	\$ -	\$ -	Recycled from old project
	BC557	PNP or equivalent	2	\$ -	\$ -	Recycled from old project
	BC327	PNP or equivalent	2	\$ -	\$ -	Recycled from old project
FETS	IRFP450	N-chan 500V 14A 180W	12	\$ -	\$ -	Secondhand from junked electronics
Other	Fuse Clips	PCB style	4	\$ 0.21	\$ 0.84	New
	Fuses	M205 5A	4	\$ 0.32	\$ 1.28	New
	Coil	Including bobbin	2	\$ -	\$ -	Recycled from old project
	Connectors	Spade PCB type	8	\$ 0.08	\$ 0.64	New
	Relay	10A @ 250v 24v coil	2	\$ -	\$ -	Secondhand from junked electronics
	PCB	Part of large sheet	2	\$ 3.50	\$ 7.00	New
	Transistor Insulators		20	\$ 0.20	\$ 4.00	New
	Heatsink small	Made from Aluminium U-channel	2	\$ -	\$ -	Found somewhere
	Heatsink main	Cut from large heatsink	2	\$ -	\$ -	Secondhand from junked electronics
	Spacers	Supporting small heatsink	4	\$ -	\$ -	Recycled from old project
	Spacers	Supporting PCB	8	\$ -	\$ -	Fashioned from plastic tubing
<b>Power Supplies x 2</b>					<b>\$ 16.28</b>	
Transformer	Toroidal	500va rewound 53v 0v 53v	1	\$ -	\$ -	Secondhand from junked electronics
		Winding wire	1	\$ 6.00	\$ 6.00	Estimate off large roll purchased at recyclers
Capacitors	4700uf	80v electrolytic	16	\$ -	\$ -	Secondhand from junked electronics
	0.1uf	MKT 200v	4	\$ -	\$ -	Secondhand from junked electronics
Resistors	4k7	5W	4	\$ 0.30	\$ 1.20	New
Bridge	6MB120A	Or equivalent	2	\$ -	\$ -	Secondhand from junked electronics
				\$ 7.00	\$ -	Secondhand from junked electronics
Other	Connectors	Spade PCB type	16	\$ 0.08	\$ 1.28	New
	Spacers	Supporting PCB	12	\$ 0.15	\$ 1.80	New
	PCB	Part of large sheet	2	\$ 3.00	\$ 6.00	New
<b>Soft Start Cct &amp; 22v DC supply</b>					<b>\$ 2.60</b>	
Resistors	330K	1/2 W metal film	1	\$ 0.05	\$ 0.05	New
	56K	1/2 W metal film	1	\$ 0.05	\$ 0.05	New
	180R	5W	3	\$ 0.30	\$ 0.90	New
Capacitors	47uf	35v electrolytic	1	\$ -	\$ -	Secondhand from junked electronics
	220uf	16v electrolytic	1	\$ -	\$ -	Secondhand from junked electronics
Transistors	BD681	Or equivalent	1	\$ -	\$ -	Secondhand from junked electronics
Diodes	1N4004	Or equivalent	4	\$ -	\$ -	Secondhand from junked electronics
Other	Connectors	Spring loaded quick-connect	20	\$ -	\$ -	Secondhand from junked electronics
	Relay	10A @ 250v 24v coil	1	\$ -	\$ -	Secondhand from junked electronics
	Spacers	Supporting PCB	4	\$ 0.15	\$ 0.60	New
	PCB	Part of large sheet	1	\$ 1.00	\$ 1.00	New
<b>Case &amp; wiring</b>					<b>\$ 20.00</b>	
Panels	Base	5mm 390 x 300	1	\$ -	\$ -	Recycled from old project
	Rear	3mm 420 x 80	1	\$ 4.00	\$ 4.00	Purchased at scrap metal depot
	Front	5mm 420 x 80	1	\$ -	\$ -	Traded for electronic parts
	Top	2mm 390 x 300	1	\$ 4.00	\$ 4.00	Purchased at scrap metal depot
Feet	Rubber		6	\$ -	\$ -	Recycled from old project
Switch	STDP	15A @ 250	1	\$ -	\$ -	Secondhand from junked electronics
				\$ -	\$ -	
Bridge	6MB120A	Or equivalent rectifier	2	\$ -	\$ -	Secondhand from junked electronics
				\$ 7.00	\$ -	Secondhand from junked electronics
Terminals	RCA	Gold plated	2	\$ -	\$ -	Recycled from old project
	Posts	Speaker binding posts	8	\$ 1.25	\$ 10.00	New
Other	Power	IEC Male Chassis Power Plug	1	\$ -	\$ -	Secondhand from junked electronics
	Fuse Holder	Panel mount fuse holder	1	\$ -	\$ -	Secondhand from junked electronics
	Wiring	Various gauge & lengths	1	\$ -	\$ -	Secondhand from junked electronics
	Heatshrink	Various diameter & lengths	1	\$ 2.00	\$ 2.00	New
	Fixings	Screws, nuts etc	1	\$ -	\$ -	Secondhand from junked electronics
<b>Grand Total</b>				<b>\$</b>	<b>82.52</b>	