

GuitarAmplifierPCBs.com
18 Watt Litellb "Baby Will"
(Version 2.3)

Parts List for Scratch Build

*These prices will change without notice.
 Use these prices ONLY for estimation purposes.
 Refer to each supplier's web site for current price quotes.*

[GuitarAmplifierPCBs](http://GuitarAmplifierPCBs.com)

Part #	Quantity	Datasheet	Component Type	Description	Manufacturer	Price (Each)	Price (Total)
Baby Will	1		Circuit Board	18 Watt Litellb PCB		\$25.00	\$25.00
							\$25.00

[Musical Power Supplies](#)

Part #	Quantity	Datasheet	Component Type	Description	Manufacturer	Price (Each)	Price (Total)
PT275.2	1		Power Transformer	275-0-275	MPS	\$39.95	\$39.95
OT20PP	1		Output Transformer	18 Watt Push-Pull OT	MPS	\$28.95	\$28.95
							\$68.90

[Mouser](#)

Part #	Quantity	Datasheet	Component Type	Description	Manufacturer	Price (Each)	Price (Total)
C1, C2, C13	3	Data Sheet	Capacitor - Electrolytic	33 µF 450V - Radial	Nichicon	\$1.26	\$3.78
C3	1	Data Sheet	Capacitor - Electrolytic	22 µF 450V - Radial	Nichicon	\$0.88	\$0.88
R16	1	Data Sheet	Resistor - Wire Wound	150 Ω 5W	Vishay / Dale	\$0.28	\$0.28
R2	1	Data Sheet	Resistor - Metal Film	2.2 KΩ 3W	Vishay / BC Comp.	\$0.46	\$0.46
R5	1	Data Sheet	Resistor - Metal Film	8.2 KΩ 2W	Vishay / BC Comp.	\$0.32	\$0.32
R3, R4	2	Data Sheet	Resistor - Metal Film	1 KΩ 3W	Vishay / BC Comp.	\$0.46	\$0.92
R8, R24	2	Data Sheet	Resistor - Metal Film	56 KΩ 2W	Vishay / BC Comp.	\$0.32	\$0.64
R6, R7	3	Data Sheet	Resistor - Metal Film	100 KΩ 2W	Vishay / BC Comp.	\$0.32	\$0.96
R1	1	Data Sheet	Resistor - Metal Film	470 KΩ 2W	Vishay / BC Comp.	\$0.32	\$0.32
R11, R12, R14, R17	4	Data Sheet	Resistor - Carbon Film	470 KΩ 1W	Xicon	\$0.18	\$0.72
R15, R18	2	Data Sheet	Resistor - Carbon Film	8.2 KΩ 1W	Xicon	\$0.18	\$0.36
R13	1	Data Sheet	Resistor - Carbon Film	47 KΩ 1W	Xicon	\$0.18	\$0.18
R9, R10	2	Data Sheet	Resistor - Carbon Film	820 Ω 1W	Xicon	\$0.18	\$0.36
R21, R23	2	Data Sheet	Resistor - Carbon Film	10 KΩ 1W	Xicon	\$0.18	\$0.36
R19, R22	2	Data Sheet	Resistor - Carbon Film	1 MΩ 1W	Xicon	\$0.18	\$0.36
	2	Data Sheet	Resistor - Metal Film	100 Ω ½W	KOA Speer	\$0.18	\$0.36
D1, D2, D3, D4	4	Data Sheet	Rectifier Diode	Fast/Soft Recov. 1A	Fairchild	\$0.19	\$0.76
	3	Data Sheet	¼" 2 Cond. Open	Panel Mount	Neutrik	\$0.92	\$2.76
	6	Data Sheet	PCB Standoff	10 mm - Hex	Harwin	\$0.43	\$2.58
	12	Data Sheet	Steel Screw - Pan / Phillips	3 mm X 6 mm	Eagle Plastic Dev.	\$0.12	\$1.44
	1	Data Sheet	Indicator Light	Red - 120VAC	Chicago Min.	\$2.33	\$2.33
*** for 240Vac ***	1	Data Sheet	Indicator Light	Red - 240VAC	Chicago Min.	\$2.33	\$2.33
	1	Data Sheet	Toggle Switch	DPST	Carling	\$6.83	\$6.83
	1	Data Sheet	Toggle Switch	SPST	Carling	\$3.25	\$3.25
	1	Data Sheet	IEC AC Connector	w/ Fuse Tray	Bulgin	\$2.69	\$2.69
	5	Data Sheet	5 . 20mm Fuse	2 Amps	Schurter	\$0.27	\$1.35
							\$35.25

[Antique Electronic Supply](#)

Part #	Quantity	Datasheet	Component Type	Description	Manufacturer	Price (Each)	Price (Total)
P-18W (10% Discount)	1		AES Parts Kit	Baby Will 18W		\$43.62	\$43.62
P-H1441-26	1		Steel Chassis	16 x 8 x 2	Hammond	\$25.75	\$25.75
T-12AX7-S-JJ	2		Pre-Amplifier Tube	12AX7 S JJ	JJ Tesla	\$9.50	\$19.00
T-EL84--JJ	1		Power Tube	EL84 (Matched Pair)	JJ Tesla	\$21.50	\$21.50
							\$109.87

Total \$239.02

AES part # P-18W includes the following components. These parts are offered with a 10% discount.

C4, C10	C-ET47-50	2	Capacitor - Electrolytic	47 µF 50V			
C7	C-MD1-630	1	Capacitor - 150's	0.1 µF 630V	Mallory		
C5	C-MD0047-630	1	Capacitor - 150's	0.0047 µF 630V	Mallory		
C6, C8, C9, C12	C-MD01-630	4	Capacitor - 150's	0.01 µF 630V	Mallory		
C11	C-SM500	1	Capacitor - Silver Mica	500 pF 500V			
R20	R-R150	1	Resistor - Wire Wound	150 Ω 10W			
Volume / Tone	R-VA500K	2	Potentiometer	24mm 500K Audio	Alpha		
	S-H501	2	¼" 2 Cond. Switthed	Panel Mount	Cliff		
	P-KM100	1	Knobs (pack of 8)	Authentic Marshall			
	P-ST9-620	4	Data Sheet	PC Mount Tube Socket	Belton		
	S-H144	2	Tube Retainer	EL84 Tubes			
	P-SS9-400	2	9-Pin Tube Shield	Aluminum	Belton		