

# Bill Of Materials for Willow Revisited

**Design Title** Willow Revisited  
**Author** Robert N Dee  
**Document Number**  
**Revision**  
**Design Created** Saturday, September 05, 2015  
**Design Last Modified** Saturday, September 05, 2015  
**Total Parts In Design** 85

## 28 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Package Type</u>	<u>notes</u>
6	R3,R21-R24,R26	100k	0.1%	0805	Mouser #
2	R4,R6	10Meg	0.1%	0805	667-ERA-6AEB
2	R7-R8	2.7k	0.1%	0805	667-ERA-6AEB
2	R9-R10	130	0.1%	0805	667-ERA-6AEB
2	R14,R17	4.7k	0.1%	0805	667-ERA-6AEB
4	R25,R27-R29	470k	0.1%	0805	667-ERA-6AEB
2	R30-R31	20k	0.1%	0805	667-ERA-6AEB
4	R32-R33,R40-R41	1k	0.1%	0805	667-ERA-6AEB
2	R42-R43	33k	0.1%	0805	667-ERA-6AEB
2	R44-R45	10k	0.1%	0805	667-ERA-6AEB

Sub-totals:

## 17 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Package Type</u>	<u>notes</u>
9	C1-C5,C11-C13,C15	.1uF		0805	
4	C10,C14,C16-C17	22uF		0805	
4	C19-C22	.47uF	MKP4-.47/250/5		

Sub-totals:

## 5 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Package Type</u>	<u>notes</u>
5	D5-D8,D13	1N914		SOD123	

Sub-totals:

## 35 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Package Type</u>	<u>notes</u>
1	E1	EM14A0D	652-EM14A0D-C24	32 position	Mouser
2	IC1-IC2	LME49600	926-LME49610TS		
1	J1	Input-4	161-4221-E		Mouser
1	J2	to uC	SIL2	.100 spacing	connector
2	J3-J4	PIN	Single pin	.100 spacing	connector
1	J5	Power in	SIL7	.100 spacing	connector
1	J6	LED in	SIL5	.100 spacing	connector
1	J7	Input Selector	SIL6	.100 spacing	connector
1	J9	Aux	SIL2	.100 spacing	connector
1	J12	Phones bypass	SIL2	.100 spacing	connector
1	J15	to phone jk	SIL3	.100 spacing	connector
1	J16	Input-3	161-4221-E		Mouser
1	J17	Input-2	161-4221-E		Mouser
1	J18	Input-1 CD	161-4221-E		Mouser
1	J19	Out 1	161-4221-E		Mouser
1	J20	Out 2	161-4221-E		Mouser
1	LED1	optional	SMLW56RGB1W1		Mouser
8	Q1-Q4,Q7-Q10	2N7000		SOT23	
2	Q5-Q6	PMBF4393		SOT23	

5	RL1-RL5	D3226	FX D3226	655-D3226	12V
1	U3	AD5282	50K	Digital Pot	Mouser

Sub-totals:

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Totals:

Friday, September 25, 2015 7:52:09 AM