









Bill of Materials for ES06 - 1973 Envelope Generator [4mm] Full Kit V0.4  
**Main Board [ES06 - 1973 Envelope Generator Component Kit]**

Item	Description	Qty	Designator	Package
<b>CAPACITOR</b>				
1	100pF 5% Ceramic	1	C301	RAD-0.2N
2	220pF 5% Ceramic	1	C102	RAD-0.2N
3	10nF 63V Polyester	1	C101	RAD-0.2
4	10nF 5% Ceramic	3	C403, C404, C406	RAD-0.2N
5	100nF Ceramic	1	C402	RAD-0.2N
6	470nF 63V Polyester	1	C103	RAD-0.2X
7	10uF 35V Electrolytic	2	C401, C405	RB-D5.0-P2.0
<b>CONNECTOR</b>				
8	IDC16 Box Header	1	J401	2.54MM
9	Jumper Shunt	1	JP1	2.54MM
10	14-pin IC Socket 0.3inch	2	U101, U201	DIP-14
11	IDC16 Receptacle	3	J101, J201, J301	2.54MM
12	1x2 Pin 9mm Header	1	JP1	2.54MM
<b>DIODE</b>				
13	1N4148	6	D101, D102, D103, D301, D302, D303	DIODE-0.3
14	6V8 5% 500mW	1	R402 NB: Points to the right	DIODE-0.3
<b>LINEAR</b>				
15	LM3900 - Quad Norton Amplifier	2	U101, U201	DIP-14
<b>INDUCTOR</b>				
16	Ferrite Bead - 5A	1	L401	AXIAL-0.3
<b>RESISTOR</b>				
17	33R 1% 0.5W Metal Film	1	R109	AXIAL-0.4
18	470R 1% 0.5W Metal Film	4	R101, R113, R309, R315	AXIAL-0.4
19	1K0 1% 0.5W Metal Film	4	R305, R308, R401, R403	AXIAL-0.4
20	1K2 1% 0.5W Metal Film	2	R316, R317	AXIAL-0.4
21	2K2 1% 0.5W Metal Film	1	R307	AXIAL-0.4

**Main Board [ES06 - 1973 Envelope Generator Component Kit]**

Item	Description	Qty	Designator	Package
	<b>RESISTOR - continued</b>			
22	3K3 1% 0.5W Metal Film	1	R211	AXIAL-0.4
23	6K8 1% 0.5W Metal Film	2	R108, R306	AXIAL-0.4
24	15K 1% 0.5W Metal Film	1	R201	AXIAL-0.4
25	33K 1% 0.5W Metal Film	5	R103, R107, R210, R212, R213	AXIAL-0.4
26	68K 1% 0.5W Metal Film	2	R115, R116	AXIAL-0.4
27	82K 1% 0.5W Metal Film	2	R112, R301	AXIAL-0.4
28	100K 1% 0.5W Metal Film	9	R102, R104, R111, R202, R206, R207, R214, R313, R314	AXIAL-0.4
29	330K 1% 0.5W Metal Film	2	R302, R303	AXIAL-0.4
30	470K 1% 0.5W Metal Film	7	R106, R203, R204, R205, R208, R209, R304	AXIAL-0.4
31	1M0 1% 0.5W Metal Film	2	R311, R312	AXIAL-0.4
32	1M5 1% 0.5W Metal Film	2	R105, R310	AXIAL-0.4
33	10M 1% 0.5W Metal Film	2	R114, R117	AXIAL-0.4
	<b>TRANSISTOR</b>			
34	BC547B NPN Transistor	7	Q101, Q102, Q203, Q204, Q301, Q302, Q401	TO-92
35	BC557B PNP Transistor	3	Q201, Q202, Q303	TO-92
36	2N3904 NPN Transistor	2	Q304, Q305	TO-92
	<b>TRIMPOT</b>			
37	10K MTV Cermet	1	P101	T93YA
38	20K MTV Cermet	1	P204	T93YA
	<b>UNITS</b>			
39	Panther - IDC16 - 24cm	1	J401	-









