

ASM303 - Envelope Follower Component Kit

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	1nF 5% Ceramic,	3	C202, C204, C206	RAD-0.2N
2	1nF 63V Polyester	3	C203, C205, C207	RAD-0.2
3	100nF Ceramic	12	C201, C503, C504, C505, C506, C507, C508, C509, C510, C511, C512, C513	RAD-0.2N
4	100nF 63V Polyester	1	C101	RAD-0.2
5	470nF 63V Polyester	1	C301	RAD-0.2X
6	10uF 35V Electrolytic	2	C501, C502	RB-D5.0-P2.0
	CONNECTOR			
7	14-pin IC Socket 0.3inch	1	U201	DIP-14
8	1x2 Pin 20mm Header	1	D301	2.54MM
9	1x4 Pin 16mm Header	1	J202	-
10	IDC10 Box Header	1	J501	2.54MM
11	8-pin IC Socket 0.3inch	6	U101, U203, U204, U205, U301, U401	DIP-8
12	16-pin IC Socket 0.3inch	1	U202	DIP-16
	DIODE			
13	1N4148	15	D101, D201, D202, D203, D204, D205, D206, D207, D208, D209, D210, D211, D212, D301, D303	DIODE-0.3
14	5.1V 5% 500mW	1	D302	DIODE-0.3
15	BAT48 Schottky Diode	2	D401, D402	DIODE-0.3
	LINEAR			
16	TL071 JFET Opamp	1	U301	DIP-8
17	TL072 Dual JFET Opamp	5	U101, U203, U204, U205, U401	DIP-8
	INDUCTOR			
18	Ferrite Bead - 5A	2	L501, L502	AXIAL-0.3
	LOGIC			
19	CD4017 - Decade Counter/Divider	1	U202	DIP-16
20	CD40106 - Hex Schmitt Trigger	1	U201	DIP-14

Bill of Materials for ASM303 - Envelope Follower Full Kit V0.4
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Item	Description	Qty	Designator	Package
	OPTO-ELECTRONIC			
21	3mm HE-Yellow LED	1	D304	-
	POTENTIOMETER			
22	100KB LIN - 18T Spline	2	P101, P301	ALPHA 16MM
	RESISTOR			
23	Do Not Fit	1	R302 NB: See modification	-
24	100R 1% 0.5W Metal Film	1	R102	AXIAL-0.4
25	330R 1% 0.5W Metal Film	1	R105	AXIAL-0.4
26	1K0 1% 0.5W Metal Film	3	R104, R211, R310	AXIAL-0.4
27	1K5 1% 0.5W Metal Film	1	R304	AXIAL-0.4
28	2K0 1% 0.5W Metal Film	3	R303, R305, R309	AXIAL-0.4
29	2K7 1% 0.5W Metal Film	1	R307	AXIAL-0.4
30	5K1 1% 0.5W Metal Film	1	R201	AXIAL-0.4
31	10K 1% 0.5W Metal Film	11	R202, R203, R205, R206, R208, R209, R401, R402, R403, R404, R405	AXIAL-0.4
32	24K9 1% 0.5W Metal Film	1	R301 NB: For 10V Signals	AXIAL-0.4
33	47K 1% 0.5W Metal Film	1	R306	AXIAL-0.4
34	100K 1% 0.5W Metal Film	6	R101, R103, R204, R207, R210, R311	AXIAL-0.4
35	140K 1% 0.5W Metal Film	1	R301 NB: For 5V Signals	AXIAL-0.4
	TRANSISTOR			
36	2N3904 NPN Transistor	3	Q201, Q202, Q203	TO-92
	TRIMPOT			
37	10K MTV Cermet	1	P201	T93YA
	UNITS			
38	Panther - IDC16-10 - 24cm	1	J501	-

