

ASM303 - Envelope Follower Component Kit

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	Do Not Fit	1	C302	-
2	1nF 5% C0G Ceramic,	3	C202, C204, C206	RAD-0.2N
3	1nF 63V Polyester	3	C203, C205, C207	RAD-0.2
4	100nF 63V Polyester	1	C101	RAD-0.2
5	100nF Ceramic	12	C201, C503, C504, C505, C506, C507, C508, C509, C510, C511, C512, C513	RAD-0.2N
6	470nF 63V Polyester	1	C301	RAD-0.2X
7	10uF 35V Electrolytic	2	C501, C502	RB-D5.0-P2.0
	CONNECTOR			
8	Do Not Fit	1	J502	-
9	1x4 Pin 20mm Header	1	J202	-
10	14-pin IC Socket 0.3inch	1	U201	DIP-14
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
13	1x2 Pin 20mm Header	1	D301	2.54MM
14	IDC10 Box Header	1	J501	2.54MM
	DIODE			
15	Wire Link	1	D302	-
			NB: See Modification	
16	1N4148	14	D101, D201, D202, D203, D204, D205, D206, D207, D208, D209, D210, D211, D212, D303	DIODE-0.3
			NB: See modification for D303	
17	5.1V 5% 500mW	1	D304	DIODE-0.3
			NB: See Modification	
18	BAT48 Schottky Diode	2	D401, D402	DIODE-0.3
	LINEAR			
19	LM741 - GP Opamp	1	U301	DIP-8
20	TL072 Dual JFET Opamp	5	U101, U203, U204, U205, U401	DIP-8

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	INDUCTOR			
21	Ferrite Bead - 0.45uH 7A	2	L501, L502	AXIAL-0.3
	LOGIC			
22	CD40106 - Hex Schmitt Trigger	1	U201	DIP-14
23	CD4017 - Decade Counter/Divider	1	U202	DIP-16
	OPTO-ELECTRONIC			
24	3mm HE-Yellow LED	1	D301	-
	POTENTIOMETER			
25	100KB LIN - 18T Spline	2	P101, P301	ALPHA 16MM
	RESISTOR			
26	Do Not Fit	1	R312	-
27	100R 1% 0.5W Metal Film	1	R102	AXIAL-0.4
28	330R 1% 0.5W Metal Film	1	R105	AXIAL-0.4
29	1K0 1% 0.5W Metal Film	4	R104, R201, R211, R301	AXIAL-0.4
30	2K0 1% 0.5W Metal Film	3	R303, R305, R309	AXIAL-0.4
			NB: R303 - See Modification	
31	2K7 1% 0.5W Metal Film	3	R304, R307, R308	AXIAL-0.4
			NB: R304 - See Modification	
32	10K 1% 0.5W Metal Film	12	R202, R203, R205, R206, R208, R209, R401, R402, R403, R404, R405, R406	AXIAL-0.4
33	22K 1% 0.5W Metal Film	1	R310	AXIAL-0.4
34	47K 1% 0.5W Metal Film	1	R306	AXIAL-0.4
35	62K 1% 0.5W Metal Film	1	R302	AXIAL-0.4
36	100K 1% 0.5W Metal Film	6	R101, R103, R204, R207, R210, R311	AXIAL-0.4
	TRANSISTOR			
37	2N3904 NPN Transistor	3	Q201, Q202, Q203	TO-92

