

**ES18 - VCM-3 Full Kit**

Item	Description	Qty	Designator	Package
	<b>HARDWARE</b>			
1	M3 x 6mm Bolt PH	2	NB: Doefper Compatible Rails	-
2	M3 x 10mm Bolt PH	2	NB: EuroSynth	-
	<b>KITS</b>			
3	ES18 - VCM3 PCB/Panel Set V0.0	1		-
4	ES18 - VCM-3 Hardware Kit V0.0	1		-
5	ES18 - VCM-3 Component Kit V0.0	1		-

**ES18 - VCM-3 Component Kit**

Item	Description	Qty	Designator	Package
	<b>CAPACITOR</b>			
1	33pF 5% Ceramic	4	C203, C302, C402, C406	RAD-0.2N
2	47pF 5% Ceramic	1	C202	RAD-0.2N
3	47nF 63V Polyserer	4	C201, C301, C401, C405	RAD-0.2
4	100nF Ceramic	2	C503, C504	RAD-0.2N
5	1uF 35V Bipolar Electrolytic	2	C204, C403	RB-D6.3-P2.5
6	10uF Bipolar Electrolytic	1	C303	RB-D6.3-P2.5
7	10uF 35V Electrolytic	2	C501, C502	RB-D5.0-P2.0
8	47uF Electrolytic	1	C404	RB-D5-P2.5
	<b>CONNECTOR</b>			
9	1x4 Pin 9mm Header	1	J101	2.54MM
10	14-pin IC Socket 0.3inch	2	U101, U102	DIP-14
11	IDC16 Box Header	1	J501	2.54MM
12	1x4 Pin 16mm Header	2	J202, J402	-
	<b>DIODE</b>			
13	1N4148	6	D201, D202, D301, D302, D401, D402	DIODE-0.3
14	5.6V 5% 500mW	1	D403	DIODE-0.3
	<b>LINEAR</b>			
15	LM3900 - Quad Norton Amplifier	2	U101, U102	DIP-14
	<b>INDUCTOR</b>			
16	Ferrite Bead - 5A	2	L501, L502	AXIAL-0.3
	<b>POTENTIOMETER</b>			
17	50KB LIN - 18T Spline	1	P101	ALPHA 16MM
	<b>RESISTOR</b>			
18	3K3 1% 0.5W Metal Film	1	R409	AXIAL-0.4
19	100K 1% 0.5W Metal Film	6	R102, R103, R201, R202, R407, R408	AXIAL-0.4

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Item	Description	Qty	Designator	Package
	<b>RESISTOR - continued</b>			
20	187K 1% 0.5W Metal Film	1	R104	AXIAL-0.4
21	220K 1% 0.5W Metal Film	1	R101	AXIAL-0.4
22	330K 1% 0.5W Metal Film	1	R105	AXIAL-0.4
23	402K 1% 0.5W Metal Film	1	R100 NB: See Build Guide	AXIAL-0.4
24	470K 1% 0.5W Metal Film	1	R106	AXIAL-0.4
25	820K 1% 0.5W Metal Film	2	R305, R405	AXIAL-0.4
26	1M0 1% 0.5W Metal Film	8	R203, R204, R206, R207, R208, R209, R210, R302	AXIAL-0.4
27	1M5 1% 0.5W Metal Film	1	R306	AXIAL-0.4
28	2M2 1% 0.5W Metal Film	4	R205, R301, R401, R406	AXIAL-0.4
29	10M 1% 0.5W Metal Film	4	R303, R304, R403, R404	AXIAL-0.4
	<b>UNITS</b>			
30	Panther - IDC16 - 24cm	1	J501	-



**ES18 - VCM3 PCB/Panel Set**

Item	Description	Qty	Designator	Package
	<b>PANEL</b>			
1	ES18 - VC Wave Multiplier VCM3 Front Panel A	1		-
	<b>PCB</b>			
2	ES18 - VCM3 PCB V0.2	1		-
3	Panther Carrier PCB - JACK-SPDT V1.3	3		-
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