

Bill of Materials for ES36 - NCOM [4mm] Full Kit P0.2

Item	Description	Qty	Designator	Package
	<b>HARDWARE</b>			
1	M3 Thumbscrew	2		-
2	M3 x 6mm Bolt PH	2		-
	<b>PANEL</b>			
3	ES36 - NCOM Front Panel P0.0	1		-
	<b>KITS</b>			
4	ES36 - NCOM [4mm] Hardware Kit P0.2	1		-
5	ES36 - NCOM PCB Set P0.2	1		-
6	ES36 - NCOM Component Kit P0.2	1		-

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<b>CAPACITOR</b>				
1	47pF 5% Ceramic	1	C105	RAD-0.2N
2	10nF 5% Ceramic, Medium K	2	C405, C406	RAD-0.2N
3	100nF Ceramic	4	C403, C404, C407, C408	RAD-0.2N
4	10uF 35V Electrolytic	3	C401, C402, C409	RB-D5.0-P2.0
<b>CONNECTOR</b>				
5	1x4 Pin 20mm Header	2	J101, J106	-
6	IDC10 Box Header	1	J401	2.54MM
7	1x4 Pin 9mm Header	1	J104	2.54MM
8	8-pin IC Socket 0.3inch	2	U101, U102	DIP-8
9	14-pin IC Socket 0.3inch	1	U103	DIP-14
10	16-pin IC Socket 0.3inch	1	U201	DIP-16
<b>LINEAR</b>				
11	RC4558 Dual Opamp	2	U101, U102	DIP-8
12	LM317LZ - Adjustable Positive Voltage Regulator	1	U401	TO-92
<b>INDUCTOR</b>				
13	Ferrite Bead - 0.45uH 7A	2	L401, L402	AXIAL-0.3
<b>LOGIC</b>				
14	CD4093 - Quad 2-input NAND Schmitt trigger	1	U103	DIP-14
15	CD4520 - Dual Binary Up-Counter	1	U201	DIP-16
<b>POTENTIOMETER</b>				
16	50KB LIN - 18T Spline	2	P101, P102	ALPHA 16MM
<b>RESISTOR</b>				
17	237R 1% 0.5W Metal Film	1	R402	AXIAL-0.4
18	330R 1% 0.5W Metal Film	1	R109	AXIAL-0.4
19	680R 1% 0.5W Metal Film	1	R403	AXIAL-0.4
20	2K2 1% 0.5W Metal Film	2	R107, R115	AXIAL-0.4

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	<b>RESISTOR - continued</b>			
21	15K 1% 0.5W Metal Film	1	R108	AXIAL-0.4
22	33K 1% 0.5W Metal Film	2	R106, R114	AXIAL-0.4
23	47K 1% 0.5W Metal Film	4	R101, R102, R103, R105	AXIAL-0.4
24	51K1 1% 0.5W Metal Film	2	R110, R111	AXIAL-0.4
25	110K 1% 0.5W Metal Film	1	R104	AXIAL-0.4
26	121K 1% 0.5W Metal Film	1	R113	AXIAL-0.4
27	249K 1% 0.5W Metal Film	7	R202, R203, R204, R205, R206, R207, R208	AXIAL-0.4
28	499K 1% 0.5W Metal Film	1	R201	AXIAL-0.4
29	1M0 1% 0.5W Metal Film	1	R209	AXIAL-0.4
30	6M8 1% 0.5W Metal Film	1	R116	AXIAL-0.4
	<b>TRANSISTOR</b>			
31	2N3904 NPN Transistor	2	Q101, Q102	TO-92
	<b>TRIMPOT</b>			
32	100R 25TV Cermet	1	P401	3296W
	<b>UNITS</b>			
33	Panther - IDC16-10 - 24cm	1	J401	-

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Item	Description	Qty	Designator	Package
	<b>CONNECTOR</b>			
1	4mm PCB Socket - Yellow	2	J103, J106	-
2	4mm PCB Socket - Green	1	J105	-
3	4mm PCB Socket - Blue	3	J101, J102, J104	-
	<b>HARDWARE</b>			
4	KNOB - Panther Hi-contrast Blue	2	P101, P102	18T SPLINE

Bill of Materials for ES36 - NCOM PCB Set P0.2

Item	Description	Qty	Designator	Package
<b>PCB</b>				
1	ES36 - NCOM PCB P0.2	1		-
2	Panther Carrier PCB V1	3	J101, J104, J106	-
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