

The Pixie
An EDP WASP Clone

RESISTORS	Qty	X	X	AUDIO	SAWTOOTH	VCF1	VCF2	VCF3	CONTROL	SWITCH	LFO	MIDIINT	MIXER1	MIXER2	NOISE	PSU	PWM-LFO	RINGMOD	TRIANGLE	VCA	VCA-EG	VCF-EG
10R 0.5W 1% Metal Film	3			1											2							
47R 0.5W 1% Metal Film	1			1																		
220R 0.5W 1% Metal Film	1											1										
470R 0.5W 1% Metal Film	1											1										
680R 0.5W 1% Metal Film	1																			1		
1K 0.5W 1% Metal Film	12					2	2	2	2		1					1					1	1
1K5 0.5W 1% Metal Film	1											1										
2K7 0.5W 1% Metal Film	2							2														
3K3 0.5W 1% Metal Film	10								6		2										1	1
4K7 0.5W 1% Metal Film	5					2	2	1														
5K1 0.5W 1% Metal Film	1															1						
5K6 0.5W 1% Metal Film	1								1													
6K8 0.5W 1% Metal Film	1										1											
10K 0.5W 1% Metal Film	17							5				5							2		3	2
12K 0.5W 1% Metal Film	3								3													
15K 0.5W 1% Metal Film	2											1			1							
18K 0.5W 1% Metal Film	1																			1		
20K 0.5W 1% Metal Film	1																			1		
22K 0.5W 1% Metal Film	3								2		1											
33K 0.5W 1% Metal Film	43			1	4	8	8			2	4				1					5	5	5
39K 0.5W 1% Metal Film	2				2																	
47K 0.5W 1% Metal Film	7								2		4	1										
51K 0.5W 1% Metal Film	6					2	2			2												
56K 0.5W 1% Metal Film	7				2				2										2			1
82K 0.5W 1% Metal Film	2																		2			
100K 0.5W 1% Metal Film	58				4	5	5	5	2	7	2		6	3			2	6	10			1
120K 0.5W 1% Metal Film	4				2												2					
150K 0.5W 1% Metal Film	11			1					1				6	3								
220K 0.5W 1% Metal Film	4								1				1								1	1
240K 0.5W 1% Metal Film	2				2																	
270K 0.5W 1% Metal Film	4				4																	
330K 0.5W 1% Metal Film	4				4																	
470K 0.5W 1% Metal Film	22			1									13	8								
475K 0.5W 1% Metal Film	2				2																	
510K 0.5W 1% Metal Film	1																1					
560K 0.5W 1% Metal Film	2																1					1
680K 0.5W 1% Metal Film	1												1									
953K 0.5W 1% Metal Film	2				2																	
1M 0.5W 1% Metal Film	13				2			1		2								4	2		1	1
1M2 0.5W 1% Metal Film	4																4					
1M5 0.5W 1% Metal Film	1													1								
3M3 0.5W 1% Metal Film	2																		2			
10K 25-Turn Trimpot	1							1														
20K 25-Turn Trimpot	1										1											
50K 25-Turn Trimpot	1																			1		

HARDWARE	Qty	X	X	AUDIO	SAWTOOTH	VCF1	VCF2	VCF3	CONTROL	SWITCH	LFO	MIDIINT	MIXER1	MIXER2	NOISE	PSU	PWM-LFO	RINGMOD	TRIANGLE	VCA	VCA-EG	VCF-EG
M3x8mm SS PH Bolt	2															2						
M3 SS Nut	2															2						
Mini Heatsink Type 6073B	2															2						
TO-220 Insulating Kit (Washer and M3 Bush)	2															2						
4-way DIP Switch	1											1										
1x2 Pin Header	38				3	1	1	4	4	1	2		6	4	1		2	3		2	2	2
Jumper Shunt	38				3	1	1	4	4	1	2		6	4	1		2	3		2	2	2
1x12 Pin Header	1											1										

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CAPACITORS	Qty	X	X	AUDIO	SAWTOOTH	VCF1	VCF2	VCF3	CONTROL	SWITCH	LFO	MIDIINT	MIXER1	MIXER2	NOISE	PSU	PWM-LFO	RINGMOD	TRIANGLE	VCA	VCA-EG	VCF-EG
10pF 5% Ceramic, Low K, NPO, 2.54mm	2				2																	
33pF 5% Ceramic, Low K, NPO	3										1	2										
68pF 5% Ceramic, Low K, NPO	2																				1	1
68pF 2.5% Polystyrene	2						1	1														
100pF 2.5% Polystyrene	1												1									
1nF 50V Polyester	14				4	2	2			4	1				1							
1n5F 50V Polyester	2																			2		
2n2 50V Polyester	2																			2		
6n8F 50V Polyester	2				2																	
10nF 50V Polyester	10				2			6	2													
47nF 50V Polyester	1			1																		
100nF 50V Polyester	4									2							2					
100nF Decoupling Capacitor	42			1	7	1	1	1	1	4	2	1	2	1	5	4	1	2	2	1	3	2
220nF 50V Polyester	17					3	3						7	4								
470nF 50V Polyester	1										1											
0.47uF 35V Tantalum	3				2				1													
1uF 35V Tantalum	1											1										
4u7 35V Tantalum	2																				1	1
4u7F 25V Electrolytic	6			1				3							2							
10uF 25V Electrolytic	4											1				3						
10uF 25V Bipolar Electrolytic	1																			1		
220uF 25V Electrolytic	2			1				1														
470uF 25V Electrolytic	1															1						

SEMICONDUCTORS	Qty	X	X	AUDIO	SAWTOOTH	VCF1	VCF2	VCF3	CONTROL	SWITCH	LFO	MIDIINT	MIXER1	MIXER2	NOISE	PSU	PWM-LFO	RINGMOD	TRIANGLE	VCA	VCA-EG	VCF-EG
OA95 Germanium Diode	1											1										
1N4004 200V 1A Diode	3															3						
1N4148 Signal Diode	31					2	2	14		4	3	4						2				
6N138 - Opto-coupler	1											1										
7805 +5V 1A Regulator	2															2						
CA3080 - Transconductance Opamp	5					2	2													1		
CD4007 - Dual Complimentary Pair plus Inverter	2																		2			
CD4011 - Quad 2-input NAND Gate	1																	1				
CD4013 - Dual D-type flip flop	3				2																	1
CD4015 - Dual 4-bit Static Shift-register	3														3							
CD4016 - Quad Analogue switch	3									1	1										1	
CD4024 - 7-stage Binary Counter	2				2																	
CD4030/4070 Quad EXOR	1														1							
CD4051 - Single 8-channel Multiplexer	2									2												
CD4069 - Hex Inverter Unbuffered	9				1	1	1			1	1				1				2		1	
CD4081	2																				1	1
LM336 2V5 Reference Diode	1															1						
LM386 - Audio Amplifier	1			1																		
LM3900 - Quad Norton Amplifier	8				1				1				2	1			1	1			1	
TL081 JFET Opamp	1							1														
2N2222 NPN Transistor	4																				2	2
2N3904 NPN Transistor	5							3			1	1										
2N3906 PNP Transistor	5							1	4													
16MHz Crystal	1											1										

PCB	Qty	X	X
M30624FGAFP 100PS6	1		
PIXIE PCB	1		

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MTA CRIMP CONNECTOR KIT	Qty	X	X	AUDIO	SAWTOOTH	VCF1	VCF2	VCF3	CONTROL	SWITCH	LFO	MIDIINT	MIXER1	MIXER2	NOISE	PSU	PWM-LFO	RINGMOD	TRIANGLE	VCA	VCA-EG	VCF-EG
Crimp to suit 0.1" MTA-xx Series	215			5	30	3	3	8	14	12	24	23	17	9	5	6			24	3	11	13
2-way Housing	16			1				1	1		2	3	1		1	3					1	2
2-way Straight, Locking Header	16			1				1	1		2	3	1		1	3					1	2
3-way Housing	32			1	2	1	1	2	4	2	2	1	5	3	1					1	3	3
3-way Straight, Locking Header	32			1	2	1	1	2	4	2	2	1	5	3	1					1	3	3
5-way Housing	1											1										
5-way Straight, Locking Header	1											1										
6-way Housing	11				4				1	1	1								4			
6-way Straight, Locking Header	11				4				1	1	1								4			
8-way Housing	2										1	1										
8-way Straight, Locking Header	2										1	1										

IC SOCKET KIT	Qty	X	X	AUDIO	SAWTOOTH	VCF1	VCF2	VCF3	CONTROL	SWITCH	LFO	MIDIINT	MIXER1	MIXER2	NOISE	PSU	PWM-LFO	RINGMOD	TRIANGLE	VCA	VCA-EG	VCF-EG
8-pin IC Socket 0.3"	8			1		2	2	1				1							4	1		
14-pin IC Socket 0.3"	31				6	1	1		1	2	2		2	1	2		1	2	4		4	2
16-pin IC Socket 0.3"	5									2					3							

PANEL COMPONENT KIT	Qty	X	X	AUDIO	SAWTOOTH	VCF1	VCF2	VCF3	CONTROL	SWITCH	LFO	MIDIINT	MIXER1	MIXER2	NOISE	PSU	PWM-LFO	RINGMOD	TRIANGLE	VCA	VCA-EG	VCF-EG
5-PIN DIN Panel Socket	1																					
2.5mm DC Panel Socket	1																					
6.35mm Mono Switched Socket, Panel	1			1																		
6.35mm Stereo Switched Socket, Panel	1			1																		
3.5mm Mono Panel Jack Socket	3							1					1									1
20mm Black Knob, 1/4" shaft with D push-on	37				4	1	1	2	4	1	3	3	5	3	1				2	1	3	3
20mm White Cap	37				4	1	1	2	4	1	3	3	5	3	1				2	1	3	3
SPDT Toggle Switch (ON-ON)	8									2		4									1	1
SPDT Toggle Switch (ON-OFF-ON)	1											1										
3mm Recessed Chrome Red LED	3										1	1				1						
2P6W Rotary Switch	6				2					1	1								2			
10K LIN (24mm Alpha, 1/4" D shaft)	4							1				3										
50K LIN (24mm Alpha, 1/4" D shaft)	5					1	1	1													1	1
50K LOG (24mm Alpha, 1/4" D-shaft)	2														1					1		
100K LOG (24mm Alpha, 1/4" D shaft)	8												5	3								
100K LIN (24mm Alpha, 1/4" D shaft)	1								1													
500K LIN (24mm Alpha, 1/4" D shaft)	3				2						1											
1M LIN (24mm Alpha, 1/4" D-shaft)	4								3		1											
1M LOG (24mm Alpha, 1/4" D shaft)	4																				2	2

ATTACHE CASE KIT	Qty	X	X
M4 x 10mm Untapped Nylon Spacer	4		
M3 SS Nut	18		
M3x10mm SS PH Bolt	16		
M3x10mm SS CS Bolt	2		
2 x PP3 Battery Drawer Bulgin BX0026	1		
Pixie Front Panel	1		
Pixie Rear Panel	1		
Small Attache Case (407mm x 277mm x 95mm)	1		
Panel support U-brackets	2		
M3 clinch-nuts	8		
M3 U-bracket bolts	4		