

Component listing for PropBus development system

Resistors

	wattage	value	miscel description	qty
R1	0.25	330R	I2C Series resistor	1
R2	0.25	330R	I2C Series resistor	1
R3	0.25	560R	video RCA	1
R4	0.25	270R	video RCA	1
R5	0.25	560R	video RCA	1
R6	0.25	1.2K	video RCA	1
R7	0.25	10K	I2C port pull up	1
R8	0.25	10K	I2C port pull up	1
R9	0.25	1K	Led series resistor 3.3V indicator	1
R13	0.25	1K	Led series resistor 5 V indicator	1

Capacitors

	V	uF		
C0	16	100	Power cap.	3
C1	50V	0.1	decoupling cap	5

Diode

D1	IN4004 std diode	1
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Vregs

5V	LM2940 -5V	1
3.3V	LM2937- 3.3V	1

Heatsinks

Mini T0220 heatsinks for above Vregs	2
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Crystal

XTAL1	5MHZ + clear mylar washer	1
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reset switch

reset switch	reset switch	1
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Screw terminal

TER	power entry (6-9 VDC screw terminal)	1
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RCA

video connector	1
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Video

Video pins 24 ...27	
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PropPlug

connector (marked gnd rst tx rx on edge)	
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Programming Port

4 way IDC right angle connector	1
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Expansion Port

6 way connector	1
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I2C

I2c expansion port	
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3.3V

2 way connector	1
3.3V to external circuits	

5V

2 way connector	1
5 V to external circuit	

I/O block connectors (for ribbon cable)

I/O block 1 + 2 + 3	IO block 1 (P0...P7)	3
	IO block 2 (P8...P15)	
	IO block 3 (P16..P23)	