

Description	Designator	Footprint	LibRef	Quantity	Value
Polarized Capacitor (Radial)	C1	CAPR5.08-7.8X3.2	Cap Pol1	1	.22uF
Polarized Capacitor (Radial)	C2	CAPR2.54-5.1X3.2	Cap Pol1	1	.1uF
Capacitor	C3	CAPR2.54-5.1X3.2	Cap	1	27pF
Capacitor	C4	CAPR2.54-5.1X3.2	Cap	1	27pF
Polarized Capacitor (Radial)	C5	CAPPR2-5X6.8	Cap Pol1	1	1uF
Header, 3-Pin	CN1-PS	HDR1X3	Header 3	1	
Header, 6-Pin	CN2-PICKIT2	HDR1X6	Header 6	1	
Header, 5-Pin, Dual row	CN3-MOTOR	HDR2X5	Header 5X2	1	
Header, 5-Pin, Dual row	CN4-O/P	HDR2X5	Header 5X2	1	
Header, 5-Pin, Dual row	CN5-I/P	HDR2X5	Header 5X2	1	
Header, 3-Pin	CN6-UART	HDR1X3	Header 3	1	
High Conductance Fast Diode	D1	DIO7.1-3.9x1.9	Diode 1N4148	1	
Receptacle Assembly, 9 Position, Right Angle	DB9-CAN	DSUB1.385-2H9	D Connector 9	1	
Receptacle Assembly, 9 Position, Right Angle	DB9-UART-A	DSUB1.385-2H9	D Connector 9	1	
Typical RED GaAs LED	DS1	LED-1	LED1	1	
Header, 3-Pin	JP1	HDR1X3	Header 3	1	
Header, 3-Pin	JP2	HDR1X3	Header 3	1	
Header, 3-Pin	JP3	HDR1X3	Header 3	1	
Header, 3-Pin	JP4	HDR1X3	Header 3	1	
Header, 3-Pin	JP5	HDR1X3	Header 3	1	
Header, 3-Pin	JP6	HDR1X3	Header 3	1	
Header, 3-Pin	JP7	HDR1X3	Header 3	1	
Header, 3-Pin	JP8	HDR1X3	Header 3	1	
Header, 2-Pin	JP9-U1TX	HDR1X2	Header 2	1	
Header, 3-Pin	JP9 QE	HDR1X3	Header 3	1	
Header, 2-Pin	JP10-U1RX	HDR1X2	Header 2	1	
Resistor	R1	AXIAL-0.3	Res1	1	470E
Resistor	R2	AXIAL-0.3	Res1	1	1K
Resistor	R3	AXIAL-0.3	Res1	1	1K
Resistor	R4	AXIAL-0.3	Res1	1	120E
Resistor	R5	AXIAL-0.3	Res1	1	10K
Resistor	R6	AXIAL-0.3	Res1	1	10K
Resistor	R7	AXIAL-0.3	Res1	1	10K
Resistor	R8	AXIAL-0.3	Res1	1	10K
Resistor	R9	AXIAL-0.3	Res1	1	3.3K
Resistor	R10	AXIAL-0.3	Res1	1	3.3K
Resistor	R11	AXIAL-0.3	Res1	1	3.3K
Resistor	R12	AXIAL-0.3	Res1	1	10K

Resistor	R13	AXIAL-0.3	Res1	1	10K
Resistor	R14	AXIAL-0.3	Res1	1	10K
Resistor	R15	AXIAL-0.3	Res1	1	10K
Resistor	R16	AXIAL-0.3	Res1	1	10K
Resistor	R17	AXIAL-0.3	Res1	1	10K
Resistor	R18	AXIAL-0.3	Res1	1	10K
Resistor	R19	AXIAL-0.3	Res1	1	10K
Resistor	R20	AXIAL-0.3	Res1	1	10K
Switch	S1	SPST-2	SW-PB	1	
+3V Voltage Monitoring, Low-Cost, $\mu$ P Supervisory Circuit	U1-MAX706PCPA	PA8	MAX706PCPA	1	
High-Performance 16-bit Digital Signal Controller, 48 KB Flash, 2 KB SRAM, 1 KB EEPROM, 28-Pin SPDIP, Industrial Temperature	U2 dsPIC30F4012-30I/SP	JW28	DSPIC30F4012-30I/SP	1	The footprint on the PCB is that of a 28-pin ZIF socket
High-Speed CAN Transceiver, 8-Pin PDIP, Industrial Temperature	U3 MCP2551-I/P	DIP8	MCP2551-I/P	1	
Wide-Bandwidth Quad JFET Input Operational Amplifier	U4	N14A	LF347BN	1	
Wide-Bandwidth Quad JFET Input Operational Amplifier	U5	N14A	LF347BN	1	
Wide-Bandwidth Quad JFET Input Operational Amplifier	U6	N14A	LF347BN	1	
Wide-Bandwidth Quad JFET Input Operational Amplifier	U7	N14A	LF347BN	1	
+5V-Powered, Multichannel RS-232 Driver/Receiver	U8-MAX233A	PP20	MAX233ACPP	1	
Positive Voltage Regulator	VR	TO220ABN	L7805CV	1	
Crystal Oscillator	Y1	CAPR5.08-7.8X3.2	XTAL	1	