

Sheet1

Qty	Digi-Key Part #	Value	Device	Ref	Description
19	399-4181-ND	47p	C-US025-030X050	C1, C2, C3, C4, C5, C6, C7, C8, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20	CAPACITOR, American symbol
3	399-4282-ND	2200p	C-US025-030X050	C21, C23, C32	CAPACITOR, American symbol
2	P1196-ND	1u NP	CPOL-USE2-5	C22, C31	POLARIZED CAPACITOR, American symbol
1	P833-ND	100u	CPOL-USE2.5-7	C24	POLARIZED CAPACITOR, American symbol
2	P5148-ND	10u	CPOL-USE2-5	C25, C28	POLARIZED CAPACITOR, American symbol
2	P1187-ND	10u NP	CPOL-USE2.5-7	C27, C30	POLARIZED CAPACITOR, American symbol
4	399-4151-ND	0.1u	C-US025-030X050	C9, C26, C29, C33	CAPACITOR, American symbol
2	568-1617-1-ND	BAT85	BAT85	CR1, CR2	BAT85 Schottky Diode
1	1N4148FS-ND	1N4148	1N4148	CR3	General Purpose Switching Diode
1	516-1291-ND		LED3MM	DS1	LED
19	P9820BK-ND	FBONLDSM	FBONLDSM	E1, E2, E3, E4, E5, E6, E7, E8, E9, E10, E11, E12, E13, E14, E15, E16, E17, E18, E19	FERRITE BEAD
1	A35108-ND	DB9FRASFLUSH	DB9FRASFLUSH	J1	DB9 Female Right Angle Connector 0.318
1	A31690-ND		CONN_MTA156_RA_4P	J2	TYCO MTA .156 Right Angle 4 Pin
1	A31411-ND		520258-3	J3	AMP connector
3	SAM1029-02-ND		JP1E	JP1, JP2, JP3	JUMPER
3	SAM1029-03-ND		JP2E	JP4, JP5, JP6	JUMPER
1	A32098-ND	DB25MRAS	DB25MRAS	P1	DB25 Male Right Angle Short
1	A35105-ND	DB9MRASFLUSH	DB9MRASFLUSH	P2	DB9 Male Right Angle 0.318
2	2N4401-APCT-ND	2N4401	2N4401	Q1, Q2	NPN Transistor
1	360QBK-ND	360	R-US_0207/10	R1	RESISTOR, American symbol
3	47QBK-ND	47	R-US_0207/10	R2, R11, R13	RESISTOR, American symbol
1	100KQBK-ND	100K	R-US_0207/10	R25	RESISTOR, American symbol
20	10KQBK-ND	10K	R-US_0207/10	R3, R5, R7, R9, R10, R12, R14, R15, R17, R18, R19, R20, R21, R22, R23, R24, R26, R27, R28, R29	RESISTOR, American symbol
1	1.0MQBK-ND	1M	R-US_0207/10	R4	RESISTOR, American symbol
1	4.7QBK-ND	4.7	R-US_0207/10	R6	RESISTOR, American symbol
2	4.7KQBK-ND	4.7K	R-US_0207/10	R8, R16	RESISTOR, American symbol
2	XXXXXXXXXXXXXXXXXXXXTESTPINTPSQ025		TESTPINTPSQ025	TP1, TP2	Test Point
1	AT93C46D-PU-ND	93C46P	93C46P	U1	93C46 1024 Bit EEPROM
1	497-1853-5-ND	4066N	4066N	U2	Quad bilateral ANALOG SWITCH
1	MCP6004-I/P-ND	MCP6004	MCP6004	U3	OP AMP
1	PIC16F628A-I/P-ND	PIC16F628P	PIC16F628P	U4	PIC16F628
ACCESSORY ITEMS					
1	377-1221-ND			METAL ENCLOSURE (IF DESIRED)	ENCLOSURE
1	A19952-ND			MALE CONNECTOR HOUSING FOR CONTROL CONNECTOR	.156 MALE CONNECTOR HOUSING
4	A24205-ND			PINS (YES, USE THE GOLD PINS!!) FOR ABOVE HOUSING	GOLD CRIMP CONTACT FOR .156 HOUSING