

		Digikey #
U1	6N138 opto-isolator	
U2	6850 ACIA/UART (68A50 or 68B50 OK)	
U3	74LS74	
U4	74LS32	
U5	74LS00	
U6	74LS32	
D1	1N4148 signal diode	1N4148FS
R1	4.7K 1/4W 5%	4.7KQ
R2	220 ohm 1/4W 5%	220Q
R3	220 ohm 1/4W 5%	220Q
R4	220 ohm 1/4W 5%	220Q
R5	220 ohm 1/4W 5%	220Q
R6	220 ohm 1/4W 5%	220Q
R7	1.0K 1/4W 5%	1.0KQ
R8	4.7K 1/4W 5%	4.7KQ
C1-C7	0.1 uF 25V ceramic capacitor 0.1" lead spacing	BC1148CT
C10	10uF 15V electrolytic capacitor	
PA1	right-angle 10-pin male shrouded header	ED10533
PC1	right-angle 10-pin male shrouded header	ED10533
PB1	right-angle 24-pin male shrouded header	ED10537
PB2	right-angle 24-pin male shrouded header (Mfr # 302-R241)	
Misc:	sockets for all IC's strongly suggested	
Also needed:		
	2 x 10-pin IDC ribbon cable female connectors	ASC10H or equiv
	2 x 24-pin IDC ribbon cable female connectors	ASC24H or equiv
	10-pin ribbon cable (20 cm)	
	24-pin ribbon cable (20 cm)	