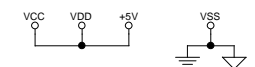
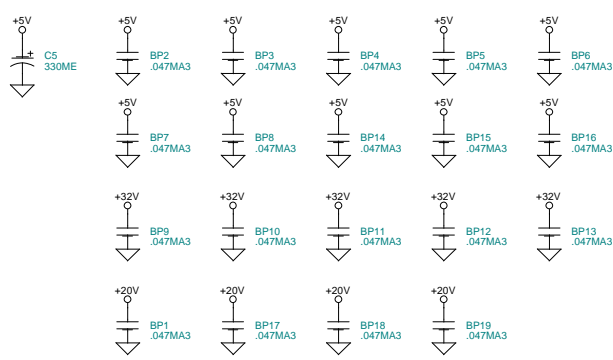
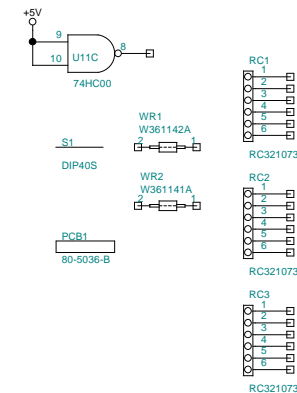
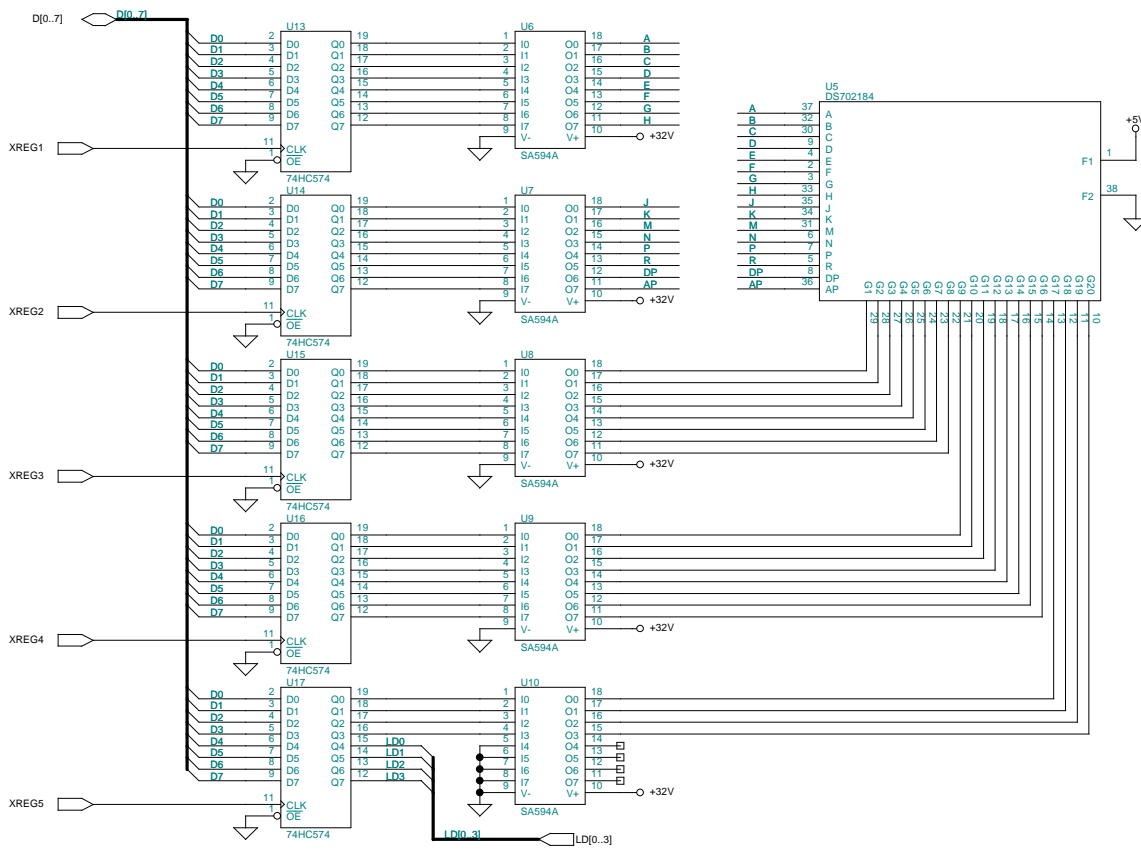


NOTE: INSTALL R25 FOR 80C31  
 INSTALL R24 FOR 80C51

DOD Electronics Corp.		
8760 South Sandy Parkway Sandy, Utah 84070		
Title CONTROL 1 EU MAIN BOARD 80-5036		
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LAST REF.  
 BP19  
 C17  
 D14  
 H8  
 J2  
 Q8  
 R61  
 SW13  
 U21  
 X1

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8760 South Sandy Parkway Sandy, Utah 84070		
Title CONTROL 1 EU MAIN BOARD 80-5036		
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 Quan Reference Part SYMAN Description

Quan	Reference	Part	SYMAN	Description
21	BP1, BP2, BP3, BP4, BP5, BP6, BP7, BP8, BP9, BP10, BP11, BP12, BP13, BP14, BP15, BP16, BP17, BP18, BP19, C19, C20	.047MA3	62-0067	0.047 uF Cap 50V 20% Axial Monolithic
1	C1	10ME1	60-0049-01	10 uF Cap 16V -20/+20% Elect., -D Ammo
2	C2, C3	25PJD1	62-0001	25 pF Cap 50V 5% Ceramic Disc T&R
1	C5	330ME	60-0056	330 uF Cap 16V -20/+80% Elect-S
2	C7, C14	470PMD1	62-0003	470 pF Cap 50V 20% Ceramic Disc T&R
2	C13, C15	.068J	56-0011	.068 uF Cap 50V 5% Stacked Metal Pet 683J ammo
1	C16	680PMD1	62-0004	680 pF Cap 50V 20% Ceramic Disc T&R
1	C17	10M25E1	60-0050-01	10 uF Cap 25V -20/+20% Elect., -S Ammo
1	D1	1N4148	70-0002	1N4148 Diode Silicon Switching, 75 Volts PIV
13	D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14	LEDR702061	70-2061	LED Red, T1 Case (HAND STUFF ONLY)
6	H1, H2, H3, H4, H5, H6	PA6	00-0000	6 Pin Pad Pattern, Not a part
2	H7, H8	PA2	00-0000	1 Pin Pad Pattern, Not a part
1	J1	J320116	32-0116	JACK, Shielded 5 pin DIN, PCB mount
1	J2	J322110	32-2110	Jack, 1/4" Phone, PC Mount, Hor., Cliff S2
5	L1, L2, L3, L4, L5	FB260217	26-0217	Ferrite Bead, 2.5Kohms @70Mhz, SMT 0805
1	PCB1	80-5036-B	80-5036-B	CONTROL 1 MAIN PCB RAW, EMI
5	Q1, Q2, Q3, Q5, Q7	2N4124	70-1009	2N4124 NPN, Gen. Purp. Amplifier/Switching Xstr T&R
1	Q4	MRD701-V	70-2010	Photo Transistor, Vertical (MRD701)
2	Q6, Q8	2N4125	70-1008	2N4125 PNP, Gen. Purp. Amplifier/Switching Xstr
9	R1, R4, R5, R6, R34, R37, R40, R41, R44	10K	50-0020	10 KOhm Resistor 5% 1/4 Watt Carbon Film
15	R2, R7, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R56	200	50-0004	200 Ohm Resistor 5% 1/4 Watt Carbon Film
3	R3, R27, R35	20K	50-0023	20 KOhm Resistor 5% 1/4 Watt Carbon Film
1	R10	20	50-0157	20 Ohm Resistor 5% 1/4 Watt Carbon Film
6	R24, R46, R47, R48, R51, R55	0	50-0050	0 Ohm Resistor 5% 1/4 Watt Carbon Film
1	R26	330	50-0005	330 Ohm Resistor 5% 1/4 Watt Carbon Film
3	R28, R31, R36	18K	50-0022	18 KOhm Resistor 5% 1/4 Watt Carbon Film
2	R29, R38	47K	50-0030	47 KOhm Resistor 5% 1/4 Watt Carbon Film
2	R30, R50	15K	50-0019	15 KOhm Resistor 5% 1/4 Watt Carbon Film
1	R32	39K	50-0029	39 KOhm Resistor 5% 1/4 Watt Carbon Film
4	R33, R42, R43, R45	100K	50-0036	100 KOhm Resistor 5% 1/4 Watt Carbon Film
1	R39	75K	50-0033	75 KOhm Resistor 5% 1/4 Watt Carbon Film
2	R49, R52	1K	50-0012	1 KOhm Resistor 5% 1/4 Watt Carbon Film
1	R53	12K	50-0021	12 KOhm Resistor 5% 1/4 Watt Carbon Film
1	R54	680	50-0007	680 Ohm Resistor 5% 1/4 Watt Carbon Film
1	R57	3.3K	50-0014	3.3 KOhm Resistor 5% 1/4 Watt Carbon Film
3	RC1, RC2, RC3	RC321073	32-1073	6 Pin Ribbon Cable, .1 spacing, 4.00" length, flex strip
1	S1	DIP40S	70-3162	40 Pin Dip Socket
12	SW1, SW2, SW3, SW4, SW5, SW6, SW7, SW8, SW9, SW10, SW11, SW12	SW440032	44-0032	Lite Touch Switch For FX/PDS
1	U1	80C51BH-C1	72-3153-01	80C51BH Masked ROM microcontroller for Control 1
6	U2, U13, U14, U15, U16, U17	74HC574	72-1112	Octal D-Type Pos. Edge Triggered Flip-Flops

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4	U3,SW13,C18,R25	OMIT	00-0000	This part has been omitted
1	U4	74HC138	72-1108	3 Line to 8 Line Decoder/Demultiplexer
1	U5	DS702184	70-2184	Display, 20 Dig Vacuum Fluorescent Display, AC2016B

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5	U6,U7,U8,U9,U10	SA594A	72-4017	Display Driver
1	U11	74HC00	72-1090	Quadruple 2-Input Positive-Nand Gate
2	U12,U18	LM311	72-4027	LM311 Analog Voltage Comparator
2	U19,U20	LM358	72-4031	LM358 Dual Low Power Operational Amplifier
1	U21	LM317T-H	70-4007	Adjustable Regulator, LM317,"+", TO-220, Horiz
1	WA1	WA283449	28-3449	Washer, Ground, Int tooth, for Cliff S2 Jack
1	WR1	W361142A	36-1142-A	Wire, 2 End, 3.00", RED, 24AWG, stripped, tinned
1	WR2	W361141A	36-1141-A	Wire, 2 End, 3.00", BLK, 24AWG, stripped, tinned
1	X1	12.00 MHZ-	76-0338	12.00 MHZ Crystal, HORIZ