



PCB1
80-1064-A

LS2
LS281032

DOD Electronics Corp.	
8760 South Sandy Parkway Sandy, Utah 84070	
Title FX64 ICE BOX 80-1064	
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Revised: April 22, 1996

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Quan Reference

Part

SYMAN

Description

3	C1,C15,C16	.047MA3	62-0067	0.047 uF Cap	50V 20%	Axial Monolithic
7	C2,C10,C11,C12,C17,C27, C37	1M50E1	60-0044-01	1.0 uF Cap	50V -20/+20%	Elect., T&R C&F
2	C3,C14	.0068J	56-0005	.0068 uF Cap	50V 5% Poly Film	682J ammo
3	C4,C9,C18	100PMD1	62-0020	100 pF Cap	50V 20%	Ceramic Disc T&R
4	C5,C23,C29,C35	.033J	56-0009	.033 uF Cap	50V 5% Poly Film	333J ammo
2	C6,C19	.0010J	56-0000	.0010 uF Cap	50V 5% Poly Film	102J ammo
2	C7,C21	220PMD	62-0022	220 pF Cap	50V 20%	Ceramic Disc T&R
3	C8,C24,C25	10ME1	60-0049-01	10 uF Cap	16V -20/+20%	Elect., -D T&R
1	C13	330PKD1	62-0006	330 pF Cap	50V 10%	Ceramic Disc T&R
1	C20	.0018J	56-0026	.0018 uF Cap	50V 5% Poly Film	182J ammo
1	C22	470PMD1	62-0003	470 pF Cap	50V 20%	Ceramic Disc T&R
1	C26	100M25E1	60-0055	100 uF Cap	25V -20/+20%	Elect-D T&R
2	C28,C36	50PJD1	62-0008	50 pF Cap	50V 5%	Ceramic Disc T&R
1	C30	4.7ME1	60-0048-01	4.7 uF Cap	16V -20/+20%	Elect., T&R
4	C31,C33,C34,C39	47ME1	60-0054-01	47 uF Cap	16V -20/+20%	Elect., T&R, 5X8mm body
1	C32	.0015J	56-0001	.0015 uF Cap	50V 5% Poly Film	152J ammo
1	C38	15PJD1	62-0007	15 pF Cap	50V 5%	Ceramic Disc T&R
3	D1,D3,D4	1N4148	70-0002	1N4148	Diode Silicon Switching,	75 Volts PIV
1	D2	LEDR702059	70-2059	LED Red,	T1.75 0Case	
1	D5	1N4001	70-0001	1N4001	Silicon Rectifier, 1 Amp,	50 Volts PIV
1	H1	HDR321101	32-1101	5 Pin Header, 2mm spacing,	0.025" sq pins, Locking	
1	J1	J322112	32-2112	DC Socket, Hor. PC Mount,	2.5/5.5mm	
1	LS2	LS281032	28-1032	FX'96 Lexon LED Standoff,	Component .450"X .410"	
3	P1,P2,P4	100K402141	40-2141	100 K "C" 16mm, Rot Pot,	15mm D Shaft, V. Mount, bent leads	
1	P3	500K402142	40-2142	500 K "C" 16mm, Rot Pot,	15mm D Shaft, V. Mount, bent leads	
1	PCB1	80-1064-A	80-1064-A	FX64 BOARD RAW REV A		
4	Q2,Q7,Q8,Q9	2N4124	70-1009	2N4124	NPN, Gen. Purp. Amplifier/Switching	Xstr T&R
1	Q4	J201	70-1015	J201A	JFET, N-Channel	
3	Q5,Q6,Q10	2N5088	70-1007	2N5088	NPN, Transistor, T&R	
1	R1	1K	50-0012	1 KOhm Resistor	5% 1/4 Watt Carbon Film	
7	R2,R18,R22,R23,R30,R31, R36	1M	50-0045	1 MOhm Resistor	5% 1/4 Watt Carbon Film	
9	R3,R15,R16,R17,R20,R21, R37,R41,R64	22K	50-0025	22 KOhm Resistor	5% 1/4 Watt Carbon Film	
2	R4,R28	220K	50-0040	220 KOhm Resistor	5% 1/4 Watt Carbon Film	
12	R5,R9,R10,R11,R27,R34, R38,R39,R42,R43,R44,R62	10K	50-0020	10 KOhm Resistor	5% 1/4 Watt Carbon Film	
4	R6,R7,R12,R26	47K	50-0030	47 KOhm Resistor	5% 1/4 Watt Carbon Film	
8	R8,R29,R32,R33,R47,R56, R57,R58	100K	50-0036	100 KOhm Resistor	5% 1/4 Watt Carbon Film	
4	R13,R14,R48,R55	4.7K	50-0015	4.7 KOhm Resistor	5% 1/4 Watt Carbon Film	
3	R19,R24,R66	100	50-0003	100 Ohm Resistor	5% 1/4 Watt Carbon Film	
3	R25,R50,R61	150K	50-0038	150 KOhm Resistor	5% 1/4 Watt Carbon Film	
1	R35	39K	50-0029	39 KOhm Resistor	5% 1/4 Watt Carbon Film	
3	R40,R51,R53	33K	50-0028	33 KOhm Resistor	5% 1/4 Watt Carbon Film	
1	R45	330K	50-0041	330 KOhm Resistor	5% 1/4 Watt Carbon Film	
1	R46	56K	50-0243	56 KOhm Resistor	5% 1/4 Watt Carbon Film	
2	R49,R52	2.7K	50-0210	2.7 KOhm Resistor	5% 1/4 Watt Carbon Film	
1	R54	1.5K	50-0204	1.5 KOhm Resistor	5% 1/4 Watt Carbon Film	
1	R59	51K	50-0034	51 KOhm Resistor	5% 1/4 Watt Carbon Film	
1	R60	15K	50-0019	15 KOhm Resistor	5% 1/4 Watt Carbon Film	

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1	R63	8.2K	50-0222	8.2 KOhm Resistor 5% 1/4 Watt Carbon Film
1	R65	20K	50-0023	20 KOhm Resistor 5% 1/4 Watt Carbon Film
1	SW1	SW440083	44-0083	Lite Touch Switch, Mini
4	U1,U2,U4,U7	4558	72-4024	4558 Wide Bandwidth Dual Op-Amp
1	U3	4007A	72-0032	Dual CMOS Transistor Pair Plus CMOS Inverter
1	U5	MN3007	72-3039	Bucket Brigade Delay
1	U6	MN3101	72-3040	Clock Driver