





PCB1  
80-1013-A

LS2  
LS281032

ROD Electronics Corp. 8760 South Sandy Parkway Sandy, Utah 84070		
Title	FX13 GONCULATOR-MODULATOR 80-1013	
Size	B	Document Number 1500013AS.001
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FX13 GONCULATOR/MODULATOR 80-1013 Revised: June 28, 1996

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Revision: A5

Bill Of Materials

June 28, 1996

9:08:25

Quan Reference

Part

SYMAN

Description

Quan	Reference	Part	SYMAN	Description
7	C1,C2,C13,C14,C20,C23,C33	1M50E1	60-0044-01	1.0 uF Cap 50V -20/+20% Elect., T&R C&F
1	C3	120PKD1	62-0002	120 pF Cap 50V 10% Ceramic Disc T&R
8	C4,C6,C10,C17,C18,C19,C25,C34	.047MA3	62-0067	0.047 uF Cap 50V 20% Axial Monolithic
2	C5,C29	15PJD1	62-0007	15 pF Cap 50V 5% Ceramic Disc T&R
2	C7,C16	.22LLME1	60-0039-01	.22 uF Cap 16V -20/+20% Elect, LL-D T&R
2	C8,C9	.033J	56-0009	.033 uF Cap 50V 5% Poly Film 333J ammo
2	C11,C24	50PJD1	62-0008	50 pF Cap 50V 5% Ceramic Disc T&R
8	C12,C15,C21,C22,C27,C28,C30,C31	10ME1	60-0049-01	10 uF Cap 16V -20/+20% Elect., -D T&R
1	C26	.047J	56-0010	.047 uF Cap 50V 5% Stacked Metal Pet 473J ammo
9	D1,D3,D4,D5,D6,D7,D8,D9,D10	1N4148	70-0002	1N4148 Diode Silicon Switching, 75 Volts PIV
1	D2	LEDR702059	70-2059	LED Red, T1.75 0Case
1	H1	HDR321101	32-1101	5 Pin Header, 2mm spacing, 0.025" sq pins, Locking
1	J1	J320101	32-0101	Barrel Jack, Hor. PCB Mount, 2.0 x 5.5 x 10mm
1	LS2	LS281032	28-1032-A	FX'96 Lexon LED Standoff, Component .450"X .410"
4	P1,P2,P3,P4	100K402141	40-2141	100 K "C" 16mm, Rot Pot, 15mm D Shaft, V. Mount, bent leads
1	P5	5K420223	42-0223	5 K Trim Pot, Vertical Mount, 3/4 turn
1	PCB1	80-1013-A	80-1013-A	FX13 BOARD RAW REV A
4	Q1,Q3,Q5,Q6	2N5088	70-1007	2N5088 NPN, Transistor, T&R
3	Q2,Q4,Q7	J201	70-1015	J201A JFET, N-Channel
6	R1,R7,R19,R31,R59,R60	10K	50-0020	10 KOhm Resistor 5% 1/4 Watt Carbon Film
3	R2,R3,R10	470K	50-0042	470 KOhm Resistor 5% 1/4 Watt Carbon Film
8	R4,R5,R9,R23,R27,R29,R30,R41	100K	50-0036	100 KOhm Resistor 5% 1/4 Watt Carbon Film
8	R6,R11,R12,R17,R28,R32,R36,R56	1M	50-0045	1 MOhm Resistor 5% 1/4 Watt Carbon Film
3	R8,R44,R47	47K	50-0030	47 KOhm Resistor 5% 1/4 Watt Carbon Film
2	R13,R43	33K	50-0028	33 KOhm Resistor 5% 1/4 Watt Carbon Film
1	R14	470	50-0006	470 Ohm Resistor 5% 1/4 Watt Carbon Film
1	R15	2K	50-0013	2 KOhm Resistor 5% 1/4 Watt Carbon Film
2	R16,R40	20K	50-0023	20 KOhm Resistor 5% 1/4 Watt Carbon Film
1	R18	15K	50-0019	15 KOhm Resistor 5% 1/4 Watt Carbon Film
1	R20	200	50-0004	200 Ohm Resistor 5% 1/4 Watt Carbon Film
1	R21	2.2K	50-0208	2.2 KOhm Resistor 5% 1/4 Watt Carbon Film
3	R22,R42,R51	100	50-0003	100 Ohm Resistor 5% 1/4 Watt Carbon Film
4	R24,R38,R39,R54	4.7K	50-0015	4.7 KOhm Resistor 5% 1/4 Watt Carbon Film
1	R25	9.1K	50-0223	9.1 KOhm Resistor 5% 1/4 Watt Carbon Film
6	R26,R37,R45,R46,R48,R57	1K	50-0012	1 KOhm Resistor 5% 1/4 Watt Carbon Film
2	R33,R34	220K	50-0040	220 KOhm Resistor 5% 1/4 Watt Carbon Film
1	R35	18K	50-0022	18 KOhm Resistor 5% 1/4 Watt Carbon Film
1	R49	750	50-0008	750 Ohm Resistor 5% 1/4 Watt Carbon Film
1	R50	820	50-0009	820 Ohm Resistor 5% 1/4 Watt Carbon Film
1	R52	1.62K 1%	52-0131	1.62 KOhm Resistor 1% 1/4 Watt Metal Film
2	R53,R55	3.3K	50-0014	3.3 KOhm Resistor 5% 1/4 Watt Carbon Film
1	R58	OMIT	00-0000	This part has been omitted
1	SW1	SW440083	44-0083	Lite Touch Switch, Mini
1	U1	4007A	72-0032	Dual CMOS Transistor Pair Plus CMOS Inverter
3	U2,U3,U4	4558	72-4024	4558 Wide Bandwidth Dual Op-Amp
1	U5	MC1496	72-0040	MC1496 Balanced Modulator/Demodulator