

Ian Fritz Chaotica Module
+/-12V BOM (no changes for +/-15V)

Designator	Part	Qty	Mouser PN	Comment
Semiconductors				
A1,A2,A50,A51	TL072	4	595-TL072BCP	
A3	TL071	1	595-TL071BCP	
U1,U2,U3	LM13700	3	926-LM13700N/NOPB	
U4	DG211	1	781-DG211BDJ-E3	
Q1,Q50	2N3904	2	512-2N3904BU	
Q51,Q52,Q53	2N3906	3	512-2N3906BU	
D1,D2,D3,D4,D5,D6,D50, D51,D52,D53,D54	1N4148	10	512-1N4148	
ZD1	1N5235B	1	512-1N5235B	
ZD2,ZD3	1N5225B	2	512-1N5225B	
Resistors (metal film 5%)				
				use 1%
R01,R02,R05,R06,R10,R11, R15,R19,R20,R26,R27	220R	11	271-220-RC	
R08,R16,R23,R24,R79,R81	1K	6	271-1K-RC	
R29	1K8	1	271-1.8K-RC	
R55	2K	1	271-2K-RC	
R32	2K2	1	271-2.2K-RC	
R34	5K6	1	271-5.6K-RC	
R04,R12,R21,R85	10K	4	271-10K-RC	
R64	15K	1	271-15K-RC	
R76	18K	1	271-18K-RC	
R33	22K	1	271-22K-RC	
R07,R09,R17,R25,R78, R82,R83	47K	7	271-47K-RC	
R51,R53	68K	2	271-68K-RC	
R03,R22,R30,R31,R35,R56, R62,R63,R72,R74,R75,R84	100K	12	271-100K-RC	
R60	120K	1	271-120K-RC	
R18,R28,R70	180K	3	271-180K-RC	
R50	220K	1	271-220K-RC	
R13,R58,R67	270K	3	271-270K-RC	
R77,R80	470K	2	271-470K-RC	
R65	560K	1	271-560K-RC	
R57	1M	1	271-1.0M-RC	
Capacitors				
			80-MMK5472J50J01L4	
			80-MMK5472J50J01L4	
C1,C2,C3	4.7 nF poly	3	80-MMK5472J50J01L4	5mm LS
C4	0.47 uF ceramic	1	80-MMK5474K50J01L4	5mm LS; film
C30,C31	10uF electrolytic	2	647-UKL1V100MDDANA	
C32,C33,C34,C35,C36,C37	0.1 uF ceramic	6	581-SA105E104M	axial
C51	100 pF ceramic	1	581-SR215A101JAA	5mm LS
Misc				
PS PCB header	0.156 MTA 4 pin	1	571-6404454	MOTM style

Dave Brown
July 25, 2017

IC sockets	8 pin DIP	5 517-4808-3000-CP
IC sockets	16 pin DIP	4 517-4816-3000-CP
J2a,J2d	0.100 MTA 3 pin	2 571-6404543
J2b,J3b	0.100 MTA 4 pin	2 571-6404544
J2c,J3a	0.100 MTA 5 pin	2 571-6404545

Panel Components

R14	5K LIN	1 652-91A1A-B24-B13L	652-51AAA-B24-B13L metal shaft
R52,R59,R66,R71	100K LIN	4 858-P260PD1BS3CB100K	
R54,R61,R68,R73	100K LOG	4 858-P260PD1BS3CB100K	substitute linear
S1	SPST	1 633-M201202	MOTM style; use SPDT
S2	SPDT	1 633-M201202	MOTM style
LED	Lumix Red	1 696-SSI-LXH387ID	MOTM style
Jacks	1/4" switched	8 502-112AX	
PS cable connector	0.156 MTA 4 pin	2 571-3-640426-4	
PS cable dust cover	0.156 MTA 4 pin	2 571-6405514	
I/O cable connector	0.100 MTA 3 pin	2 571-3-640441-3	
I/O cable connector	0.100 MTA 4 pin	2 571-3-640441-4	
I/O cable connector	0.100 MTA 5 pin	2 571-3-640441-5	
I/O cable dust cover	0.100 MTA 3 pin	2 571-6405503	
I/O cable dust cover	0.100 MTA 4 pin	2 571-6405504	
I/O cable dust cover	0.100 MTA 5 pin	2 571-6405505	
Knobs	Small 3/4"	9 506-PKES60B1/4	Use Radio Shack 274-415 x3 packages