

SO2R Box (Plus) Parts List

Part Designation	#	RESISTORS	Mouser Part No.
R42,43	2	33 ohm, 1/4w	291-33-RC
R7,22-41	21	220 ohm, 1/4w	291-220-RC
R101-104	4	270ohm, 1/2w	293-270-RC
R4-6,15-21,109,110,113,114	14	1K, 1/4w	291-1K-RC
R10-13	4	2.7K, 1/4w	291-2.7K-RC
R107,108	2	3.9K, 1/4w	291-3.9K-RC
R210	1	4.7K, 1/4w	291-4.7K-RC
R1,2,3,8,9,111,112,118	8	10K, 1/4 watt	291-10K-RC
R105,106	2	100K, 1/4 w	291-100K-RC
R119,120	2	1M, 1/4w	291-1M-RC
	#	CAPACITORS	
C6,7	2	15pf	140-50N2-150J-RC
C17	1	.001uf	80-C317C102K2R
C1,2,3,16,18	5	.01uf	80-C315C103M5U5CA
C4,5,10,12,13,14,101,109,116	9	.1uf	80-C315C104M5U5CA
C9,102,103,111,115	5	.33uf	581-BQ024D0334J
C8	1	.47uf	80-C320C474M5U
C104,105,106,107,108	5	1 uf	80-C330C105K5R
C11,117	2	10uf	T350E106K025AT
C15,110	2	100uf	647-UHE1H101MPD
	#	SEMICONDUCTORS	
D3,4	2	Red LED	645-550-2405F
D1,2	2	Green LED	645-550-2205F
D5,6,7,8,9	5	1N4004 diode	625-1N4004-E3
D202	1	1N4148 diode	512-1N4148TA
Q202	1	2N3904 Trans	512-2N3904J05Z
U1	1	PIC18F4450 IC	579-PIC18F4550-I/P
U2,104	2	7805 ICs	863-MC7805ACTG
U3	1	PS2502-4	551-PS2502-4-A
U4,5	2	SN74HC594 ICs	595-SN74HC594N
X1	1	Xtal	815-ABL-20-B2
U103	1	Digital Pot	579-MCP41010-I/P
Z1	1	Surge supp- smt	576-PGB102ST23
U101	1	MAX4574CAI	MAXIM MAX4574CAI
U102	1	MAX9722AEUE+	MAXIM MAX9722AEUE+
	#	MISCELLANEOUS	
R14	1	10K pot	313-1230F-1OK
SW1,2	2	SPDT switches	108-1AS3T1695-EVX
SW3	1	SPST Switches	108-1AS1T1706-EVX
F1	1	Fuse	504-AGC-1/2
-----	2	Fuse Holder(Half)	576-01020071H
J1	1	Pwr Jack	163-7620-E
-----	1	Pwr Plug	171-2122-EX
J2	1	4pin USB Jack	154-2442-E
J4	1	RCA Phono Jack	161-0099-E

J3,103	2	1/4" jack	NYS215
J101,102,201,202	4	8pin DIN Jacks	161-0508-E
-----	2	8pin DIN Plugs	171-0278
J203	1	3.5mm jack	806-STX-3120-3BM
-----	1	Jumper Strip	571-9-146281-0
L1	1	1uH RFC	542-4602-RC
L3,4,5	3	Beads	81-BL01RN1A1D2B
K203	1	Relay	G6K-2P-Y-DC12
J5	1	DB25	Newark FCE177-B25SA-410
-----	1	Heatsink	567-273-AB
T101-104	4	Audio Xfmrs	TY-45P
-----	1	40pin IC socket	535-40-6518-10
-----	3	16 pin IC socket	535-16-3518-10
-----	1	Knob	5164-1100
-----	#	HARDWARE	All McMaster-Carr for Hardware
-----	6	Alum Standoffs	91780A163
-----	4	Rubber Feet	9540K51
-----	21	#4-40x.25" screws	90283A106
-----	14	#4 Flat washers	90126A505
-----	24	#4 Lock washers	91102A720
-----	1	#4-40x3/8" screw	90283A108
-----	2	#4 nuts	90480A005
-----	1	#10-24 screw	90480A011
-----	1	#10 Lock washer	91102A740
-----	2	#10-24 nuts	90108A411
-----	2	Screws for DB25	91075A605
-----	8	4-40 Black Screws	91249A105
-----	8	4-40 Black Int LW	91106A122
-----	#	4CHANNEL PARTS	
Q201	1	2N3904 Trans	512-2N3904J05Z
D203,204,205,206	4	1N4004 diode	625-1N4004-E3
D201	1	1N4148 diode	512-1N4148TA
U201	1	PS2502-4 IC	551-PS2502-4-A
-----	1	16 pin IC socket	535-16-3518-10
R205,206,207,208	4	270 ohm, 1/2 w resis	293-270-RC
R201,202,203,204	4	2.7K, 1/4w resistor	291-2.7K-RC
R209	1	4.7K, 1.4 w resistor	291-4.7K-RC
R211,212	2	1M, 1/4w resistor	291-1M-RC
K201,202	2	Relays	G6K-2P-Y-DC12
-----	2	8pin DIN plugs	171-0278
T201-204	4	Audio Xfmrs	TY-145P