

Shure P/N	Qty	Description			Ref. Des.
140A005	1	QUARTZ CRYSTAL			Y1
140A11	1	MINI SMD LOW/MED FREQ QUARTZ CRYSTAL			Y4
140A14	1	Dielectric Resonator			FL300
145BF1000	8	SMT Resistor	100	1%	R70-71 R75-76 R101 R140 R155 R201
145BF1001	14	SMT Resistor	1.00K	1%	R24 R56-58 R62 R65 R72-73 R89 R117 R165 R176 R178 R224
145BF1002	24	SMT Resistor	10.0K	1%	R6 R8 R20 R22 R36 R42 R44-45 R59 R64 R66 R77 R102 R119 R121 R129 R134 R141 R143 R166-169 R197
145BF1003	13	SMT Resistor	100K	1%	R28-29 R37 R41 R90-91 R95 R123 R163 R170 R172 R175 R194
145BF1004	5	SMT Resistor	1.00M	1%	R88 R92 R94 R103 R122
145BF1211	1	SMT Resistor	1.21K	1%	R226
145BF1212	4	SMT Resistor	12.1K	1%	R12 R34 R54 R108
145BF1501	4	SMT Resistor	1.50K	1%	R67 R82 R120 R144
145BF1502	2	SMT Resistor	15.0K	1%	R80 R83
145BF1503	1	SMT Resistor	150K	1%	R171
145BF2001	8	SMT Resistor	2.00K	1%	R49 R51 R153 R156 R199 R207-208 R210
145BF2002	9	SMT Resistor	20.0K	1%	R1 R4 R10 R17-18 R33 R55 R114 R118
145BF2211	1	SMT Resistor	2.21K	1%	R200
145BF2490	2	SMT Resistor	249	1%	R187 R190
145BF2491	4	SMT Resistor	2.49K	1%	R47-48 R113 R115
145BF2492	1	SMT Resistor	24.9K	1%	R195
145BF2493	2	SMT Resistor	249K	1%	R32 R38
145BF2742	2	SMT Resistor	27.4K	1%	R112 R116
145BF3011	2	SMT Resistor	3.01K	1%	R188 R192
145BF3321	3	SMT Resistor	3.32K	1%	R11 R25 R164
145BF3651	1	SMT Resistor	3.65K	1%	R68
145BF3652	4	SMT Resistor	36.5K	1%	R30-31 R39-40
145BF4020	1	SMT Resistor	402	1%	R158
145BF4021	13	SMT Resistor	4.02K	1%	R9 R23 R26-27 R35 R78 R85 R146 R162 R173 R177 R181 R183
145BF4022	3	SMT Resistor	40.2K	1%	R14 R50 R109
145BF4023	1	SMT Resistor	402K	1%	R160
145BF4990	2	SMT Resistor	499	1%	R157 R205
145BF4991	9	SMT Resistor	4.99K	1%	R5 R7 R19 R21 R87 R126 R150 R174 R225
145BF4992	11	SMT Resistor	49.9K	1%	R13 R46 R53 R60 R63 R125 R132 R142 R149 R152 R198 R147
145BF4993	1	SMT Resistor	499K	1%	R130 R137
145BF6042	2	SMT Resistor	60.4K	1%	R69 R79 R86 R106-107 R154
145BF7500	6	SMT Resistor	750	1%	R2-3 R15-16 R81 R84 R145
145BF7501	10	SMT Resistor	7.50K	1%	R148 R189 R191
145BF7502	2	SMT Resistor	75.0K	1%	R133 R139
145BF10R0	1	SMT Resistor	10.0	1%	R196
145BF22R1	1	SMT Resistor	22.1	1%	R209
145BF49R9	5	SMT Resistor	49.9	1%	R61 R74 R93 R98-99
145BJ000	8	SMT Resistor	0	5%	R96 R100 R104 R110-111 R138 R203-204
145BJ1R0	6	SMT Resistor	1	5%	R43 R182 R185-186 R214-215

145CF1212	4	SMT Resistor	12.1K	1%		R179-180 R184 R193
145FF1002	2	SMT Resistor	10.0K	1%		R161 R220
145FF2210	1	SMT Resistor	221	1%		R221
145FF3921	1	SMT Resistor	3.92K	1%		R223
145FF4321	1	THICK FILM RESISTOR CHIP	4.32	1%		R222
			kOHMS			
146B02	1	RESISTOR VARIABLE	1K ohm			R151
146F02	2	Trimpot	20kOhm			R97 R105
146H02	2	Trimpot	100k			R52 R135
150AA473JB	2	SMT Capacitor	.047uF	5%	50V	C6 C82
150AD224KB	2	SMT Capacitor	.22uF	10%	25V	C19 C26
150DA104KB	12	SMT Capacitor	.1uF	10%	50V	C81 C91 C93 C95-99 C115 C123 C144-145
150DA223JB	7	SMT Capacitor	.022	5%	50V	C110-111 C116 C119-120 C122 C181
			uF			
150DA408CA	1	SMT Capacitor	4.0pF	.25p F	50V	C55
150DB100JA	1	SMT Capacitor	10pF	5%	100V	C76
150DB101JA	34	SMT Capacitor	100pF	5%	100V	C1-2 C9-10 C44 C77 C80 C107-108 C146-161 C163-171
150DB102JA	12	SMT Capacitor	1000pF	5%	100V	C33-34 C38 C130-133 C135 C137 C172-174
150DB103KB	8	SMT Capacitor	.01uF	10%	100V	C45 C47 C63 C72 C78 C84 C124-125
150DB120JA	1	SMT Capacitor	12pF	5%	100V	C49
150DB151JA	7	SMT Capacitor	150pF	5%	100V	C8 C22 C29 C37 C51-52 C180
150DB181JA	1	SMT Capacitor	180pF	5%	100V	C105
150DB221JA	4	SMT Capacitor	220pF	5%	100V	C46 C68 C73-74
150DB222KB	1	SMT Capacitor	2200pF	10%	100V	C106
150DB223KB	1	SMT Capacitor	.022uF	10%	100V	C35
150DB270JA	13	SMT Capacitor	27pF	5%	100V	C3-4 C11-12 C30 C42 C60-62 C65 C71 C142-143
150DB338BA	1	SMT Capacitor	3.3pF	.1p F	100V	C50
150DB390JA	1	SMT Capacitor	39pF	5%	100V	C69
150DB392JB	2	SMT Capacitor	3900pF	5%	100V	C5 C7
150DB472KB	1	SMT Capacitor	4700pF	10%	100V	C40
150DB478CA	3	SMT Capacitor	4.7pF	.25p F	100V	C57 C101 C104
150DB561JA	2	SMT Capacitor	560pF	5%	100V	C53-54
150DB682KB	1	SMT Capacitor	6800pF	10%	100V	C41
150DB688CA	1	SMT Capacitor	6.8pF	.25p F	100V	C56
150DB820JA	1	SMT Capacitor	82pF	5%	100V	C48
150FE223JB	2	SMT Capacitor	.022uF	5%	16V	C88-89
150GA103KB	1	SMT Capacitor	.01uF	10%	50V	C176
150GB108BA	1	SMT Capacitor	1.0pF	.1p F	100V	C307
150GB120JA	1	SMT Capacitor	12pF	5%	100V	C310
150GB228BA	1	SMT Capacitor	2.2 pF	.1pF	100V	C304
150GB270JA	1	SMT Capacitor	27pF	5%	100V	C312
150GB330JA	3	SMT Capacitor	33pF	5%	100V	C300 C308 C311
150GB680JA	1	SMT Capacitor	68pF	5%	100V	C58
150GC104KB	1	SMT Capacitor	.1uF	10%	16V	C66
151AB225MA	1	SMT Capacitor	2.2uF	20%	6V	C86
151AD476KD	3	SMT Capacitor	47uF	10%	16V	C67 C70 C79
151AD105KA	1	SMT Capacitor	1uF	10%	16V	C85
151AD474KA	2	SMT Capacitor	.47uF	10%	16V	C64 C127
151AD475KB	14	SMT Capacitor	4.7uF	10%	16V	C18 C21 C25 C28 C75 C83 C90 C92 C100 C102-103 C114 C121 C126
151AE226KD	1	SMT Capacitor	22uF	10%	20V	C162
151BD107MD	4	SMT Capacitor	100uF	20%	16V	C134 C136 C138-139
151BF226KD	2	SMT Capacitor	22uF	10%	35V	C23 C175
151BG105KB	3	SMT Capacitor	1uF	10%	50V	C20 C27 C39
151BG106KD	8	SMT Capacitor	10uF	10%	50V	C15-16 C31-32 C43 C109 C140-141

151BG476MF	4	SMT Capacitor	47uF	20%	50V	C13-14 C36 C94
151BH106MD	4	Polarized Capacitor	10uF	20%	63V	C112-113 C117-118
151CD336MD	3	Non-polarized Electrolytic Capacitor	33uF	20%	16V	C17 C24 C87
152A04	1	CAPACITOR TRIM SURFACE MOUNT	1.4-3. 0 pF			C303
152H02	1	CAPACITOR TRIM SURFACE MOUNT	7.0 - 50.0pF			C259
162A12	1	FERRITE BEAD SURFACE MOUNT				L16
162A25	3	SMT INDUCTOR	100nH			L4 L300 L302
162A28	2	Low Pass Filter				FL3-4
162N25	1	SMT INDUCTOR	10nH			L301
162R10	3	INDUCTOR SURFACE MOUNT (0805)	180nH			L1 L3 L5
162W10	1	INDUCTOR SURFACE MOUNT (0805)	8.2nH			L2
183A01	3	Transistor				Q1-3
183A27	1	Transistor				Q6
183A36	1	NPN SILICON HIGH-FREQUENCY TRANSISTORS				U29
183A37	1	CASCADABLE SILICON BIPOLAR MONOLITHIC MICROWAVE IC AMP				Q5
183A46	2	Power MOSFET				Q4 Q7
183A48	2	Transistor				Q300-301
184A07	2	Diode-Switching-Dual				D24-25
184A08	13	Diode-Switching-Dual				D2 D6 D8-9 D18-21 D26-29 D39
184A16	2	Diode-Schottky				D1 D3
184A20	4	Diode-Power				D14-17
184A34	2	DIODE 600 WATT SURFACE MOUNT SURGE PROTECTOR				Z1-2
184A36	1	SMT VARACTOR DIODE				D300
188A01	1	Compandor				U3
188A18	4	Dual Op Amp				U9 U11 U18-19
188A19	2	Quad bilateral switch				U8 U17
188A49	6	Quad Op Amp				U1-2 U4 U12 U14 U28
188A115	1	IC VOLTAGE REGULATOR 5 VOLT				U35
188A118	1	Dual Op Amp				U30
188A131	1	4K-Bit serial EEPROM IC				U25
188A136	1	Dual voltage comparator, smt				U16
188A204	4	Adj. positive voltage regulator				U22-24 U26
188A205	2	Variable - voltage regulator				U21 U27
188A221	1	Stereo Modulator				U6
188A265	1	Serial input PLL frequency synthesizer				U32
188C210	1	UNDERVOLTAGE SENSING CIRCUIT				U20
188F238A	1	IC SMD MICROCONTROLLER P7T				U10
40A8012	1	CRYSTAL 4MHZ				U31
46A8072	1	DUAL 100K OHM POTENTIOMETER	100K	20%		R136
46B8072	1	DUAL 100K OHM POTENTIOMETER	100K	20%		R202
51A8056	1	Power transformer				T1
53A8482	1	VCO Shield				U300
55A178	1	SWITCH TWO POSITION DPDT				SW5

		SLIDE					
55A8019	1	4PDT slide switch				SW3	
55A8054	1	SWITCH VOLTAGE SELECTOR				SW4	
55A8104	1	POWER SWITCH				SW2	
55A8125	1	Rotary Dip Switch				SW8	
55C8055	2	SPDT switch				SW1 SW7	
82A8030	1	VARIABLE COIL 5 PIN THRU HOLE				L6	
86A8941	2	IC DOT/BAR DISPLAY DRIVER				U7 U15	
86A8988	2	FILTER AUDIO LC				FL1-2	
86B9010	2	INTEGRATED-CIRCUIT VOLTAGE-CONTROLLED AMPLIFIER				U5 U13	
86ND8982CB	2	Leaded Capacitor	2200uF 20%	35V		C128-129	
95A8363	1	CONNECTOR HEADER SQUARE PIN LOCKING				J19	
95A8628	2	DIODE LED CBI CIRCUIT BOARD INDICATOR QUAD LEVEL				D22 D33	
95A8631	1	BNC JACK - PCB MOUNT 50 OHM				J3	
95A8657	2	CONNECTOR (FEMALE) XLR+1/4" COMBO				J5-6	
95A8690	1	DUAL T1 LED RIGHT ANGLE ASSEMBLY				D7	
95B8628	3	DIODE LED CBI CIRCUIT BOARD INDICATOR QUAD LEVEL				D23 D31-32	
95B8634	1	PHONE JACK 3.5MM (THREADED)				J18	
95C8628	3	DIODE LED CBI CIRCUIT BOARD INDICATOR QUAD LEVEL				D30 D34-35	
95Z8322	3	.250" Phone jack				J1 J7-8	
C0603	5	Dummy capacitor	See table			C301-302 C305-306 C309	
R0805	13	Dummy resistor	See			R124 R127-128 R131 R159	

	<u>90A8809</u>	<u>90B8809</u>	<u>90C8809</u>
C301	150GB568BA	150GB398BA	150GB398BA
C302	150GB108BA	NOT PLACED	NOT PLACED
C306	150GB478BA	150GB338BA	150GB338BA
C305	150GB228BA	150GB108BA	150GB108BA
C309	150GB478BA	150GB228BA	150GB228BA
R131	NOT PLACED	145BF22R1	145BF22R1
R124	145BJ000	145BF1500	145BF1500
R127	145BJ000	145BF49R9	145BF49R9
R128	145BJ000	145BF49R9	145BF49R9
R159	NOT PLACED	NOT PLACED	NOT PLACED
C177	NOT PLACED	NOT PLACED	NOT PLACED
R206	145BJ000	NOT PLACED	NOT PLACED
R216	NOT PLACED	145BJ000	NOT PLACED
R211	NOT PLACED	NOT PLACED	145BJ000
R213, 217, 218, 219, 222	NOT PLACED	NOT PLACED	NOT PLACED
SOFTWARE	84NXXXXA	84NXXXXB	84NXXXXC