

BILL OF MATERIAL FOR COBRA 21LTD CLASSIC

CIRCUIT SYMBOL	DESCRIPTION	DYNASCAN PART NO.
INTEGRATED CIRCUIT		
IC2	IC KIA7217AP	307-169-9-002
IC1	IC LC7132	308-012-N-001

TRANSISTORS

Q18	TRANSISTOR 2SC2314(E)	176-120-9-001
Q17	TRANSISTOR 2SC2078(E)	172-062-9-001
Q5,6	TRANSISTOR 2SC 380 (O)	176-082-9-001
Q1,2,3,4,12	TRANSISTOR LC1675L	176-065-9-001
Q14,15,19,20		
Q7,11	TRANSISTOR LA733P	177-020-9-001
Q8,10,13,16	TRANSISTOR LC945P	176-055-9-002

DIODE

D14	DIODE VARACTOR 1SV164	153-046-9-001
D3,7,20	DIODE 1N60	150-001-9-005
D8,10	DIODE 1N4002	151-082-9-001
D1,2,4,5,6,9,12,13	DIODE 1N4148	151-038-9-001
D15,16,18,19,21		
LED 1	LED 7 SEG. 2 DIGIT LTD482GC	158-006-N-001
LED 2	LED TLR124	158-021-9-001
D17	DIODE ZENER HZ6C2 6.2V 0.5W	152-145-9-003
D11	DIODE ZENER HZ9C1 9.1V 0.5W	152-014-N-001

INDUCTORS

CH1	COIL CHOKE AXIAL TYPE 10uH	047-004-N-001
CH6	COIL CHOKE AXIAL TYPE 150uH	047-004-N-002
CH7	COIL CHOKE AXIAL TYPE 0.22uH	047-004-N-004
CH4,5, L14	COIL CHOKE AXIAL TYPE 6.8uH	047-004-N-003
L9	COIL SPRING ASL085x060x080	047-005-N-001
L6,7	COIL SPRING ASL095x060x080	047-005-N-002
CH3	COIL SPRING ASR075x050x080	047-005-N-003
L8	COIL AIR WITH STAND 841-255	047-006-N-001
L10	IFT 27MHz 0237-767-H034	047-003-N-001
L2	IFT 27MHz 0237-767-H035	047-003-N-002
L1	IFT 27MHz 0237-882-H114	047-003-N-003
L13	IFT 16MHz 0237-767-H037	047-003-N-004
L11,12	IFT 27MHz 0237-767-H038	047-003-N-005
L5	IFT 455KHz 4140-767-H004	060-001-N-001
L3	IFT 10.7MHz 4143-767-H006	060-001-N-002
L4	IFT 455KHz 4140-767-H009	060-001-N-003

FIXED RESISTORS

NOTE:

Resistor tolerance: J = $\pm 5\%$ K = $\pm 10\%$

R122	RES. C-FILM 15 OHM 1/2W J AXIAL
R33	RES. C-FILM 47 OHM 1/2W J AXIAL
R63	RES. C-FILM 4.7K OHM 1/2W J AXIAL

CIRCUIT SYMBOL	DESCRIPTION	DYNASCAN PART NO.
SEMI-FIXED & VARIABLE RESISTORS		
VR6	POT. V16LN 20KQ A 1K OHM	008-007-N-001
VR7	POT. V16LN 20KQ B 10K OHM	008-005-N-001
VR5	POT. V16LS 20KQ A 50K OHM	008-006-N-001
VR3	SEMI-FIXED RES. 10K OHM B 30%	010-003-N-001
VR4	SEMI-FIXED RES. 2K OHM B 30%	010-003-N-002
VR2	SEMI-FIXED RES. 20K OHM B 30%	010-003-N-003
VR1	SEMI-FIXED RES. 50K OHM B 30%	010-003-N-004

THERMISTOR

TH1	THERMISTOR 500 OHM 112-501-2	005-002-N-001
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TRANSFORMERS

T1	MOD TRANSFORMER AEC-607/892	061-003-N-001
CH2	CHOKE TRANSFORMER AEC-608/893	061-004-N-001

CRYSTAL

X1	CRYSTAL 10.24MHz	135-005-N-001
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CAPACITOR

NOTE:

The first code indicates tolerance of capacitance:

C = $\pm 0.25\mu\text{F}$, D = $\pm 0.5\mu\text{F}$, F = $\pm 1\mu\text{F}$, G = $\pm 2\%$, J = $\pm 5\%$, K = $\pm 10\%$, M = $\pm 20\%$, Z = +70% -20%

The second code indicates variation of capacitance with temperature:

YA = $\pm 5\%$, YB = $\pm 10\%$, YD = +20 -30%, YE = +20 -50%, YF = +30 -70%, (-25 ~ +85° C), ZF =

+30 -80% (-10 ~ +70° C), CH = $0 \pm 60\text{ppm}/^\circ\text{C}$, RH = -220ppm/°C $\pm 60\text{ppm}/^\circ\text{C}$, CJ = $0 \pm 120\text{ppm}/^\circ\text{C}$,

RJ = -220ppm/°C $\pm 120\text{ppm}/^\circ\text{C}$, TH = -470ppm/°C $\pm 60\text{ppm}/^\circ\text{C}$, UJ = -750ppm/°C $\pm 120\text{ppm}/^\circ\text{C}$,

SL = +350ppm/°C ~ -1000ppm/°C

C49,50,51,52,111	CER. CAP. 0.001 μF /50V K B	
C46,87	CER. CAP. 0.001 μF /50V K B	
C3,4,8,13,27,45,	CER. CAP. 0.01 μF /50V Z F	
C53,54,58,67,71,		
C75, 78, 83, 101, 105,		
C106,112		
C16,17,19,20,66	CER. CAP. 0.1 μF /25V Z F	
C6,12	CER. CAP. 0.022 μF /50V Z F	
C9,74,82,86,96,116	CER. CAP. 0.047 μF /50V Z F	
C10	TANTALUM CAP. 10 μF /16V M	
TC1	TRIM. CAP. TZ03R200ER110 20pF	028-001-N-001

CIRCUIT SYMBOL	DESCRIPTION	DYNASCAN PART NO.
	MISCELLANEOUS	
M1	ANALOG METER H-12	320-001-N-001
	ANT TERMINAL 10014-11	
	ANT TERMINAL 10014-6	
J1	ANTENNA RECEPTACLE 16-173B	773-003-N-001
	BLIND RIVET DIA 3.2x6	
	BRACKET	250-010-N-001
	BRACKET-MIC BODY	
	BUSHING BUSH-MUL FOR 2SC2078	
CF2	CER FILTER CFU455HT	140-003-N-001
CF1	CER FILTER SEF10 7MJ-A	140-002-N-001
SW4	CHANNEL SELECTOR GPS-0477 40 CH	083-001-N-001
	CHASSIS METAL	
	COMPOSITE DIAGRAM	494-004-P-001
	COVER BOTTOM	252-006-N-001
	COVER TOP	253-005-N-001
	DC CORD	420-005-N-001
J4	DC JACK YC-JK329	773-004-N-001
	FILTER-DISPLAY	380-019-N-001
	FRAME-KNOB	
	HEAT SINK	
	HOLDER-SPEAKER	
	I D PLATE FCC	
	INLAY (B)	
	IC HOLDER	
	KNOB-CHANNEL	751-006-N-001
	KNOB-VOLUME	751-007-N-001
	L E D HOLDER	
	MICA SHEET IS-126 FOR 2SC2314	
	MICA SHEET IS-313E FOR 2SC2078	
	MICROPHONE	545-051-N-001
	NUT-VOLUME M7	
	OUTER TOOTHED LOCK WASHER DIA 3	
	OUTER TOOTHED LOCK WASHER DIA 5	
	OWNER MANUAL	480-007-P-001
	PANEL FRONT	380-018-N-001
	PCB LED BOARD	
	PCB MAIN BOARD	
	SCREW-MOUNTING DIA 5x8mm	634-004-N-001
	SHIELD CASE	
	SHIELD COVER	
	SHIELD PLATE	
	SLEEVE-JACK	
SW1,2	SLIDE SWITCH SS-22F05-AT9.4	
J3	SOCKET MIC 4 PIN 16-174C	773-005-N-001
SP1	SPEAKER 8 OHM 66R15	580-006-N-001
J2	SPEAKER JACK JC-304B	773-002-N-001
	WASHER-RUBBER	