

Bill of materials for ELEC.UNIT.B101.0001

1 Revision History

Issue	Date	Engineer	Checked	C/N	Notes
0	31/01/02	K Singh	Name	—	Draft.
1	16/05/02	K Singh	M. Gjessing	—	Initial Issue

2 Bill of Materials

Command Control Centre – Base Station 100 (CCC-B100).

Designator	Part Type	Description	Part Field 1	Part Field 2
C1	CAPACITOR	33pF 2%	COMP.CERC.T001.0330	
C2	CAPACITOR	33pF 2%	COMP.CERC.T001.0330	
C3	NOT FITTED			
C4	CAPACITOR	10uF 35V	COMP.ALEC.T006.0001	
C5	CAPACITOR	0.1uF 63V	COMP.POLY.T001.0001	
C6	CAPACITOR	0.1uF 63V	COMP.POLY.T001.0001	
C7	NOT FITTED			
C8	CAPACITOR	0.1uF 63V	COMP.POLY.T001.0001	
C9	CAPACITOR	0.1uF 63V	COMP.POLY.T001.0001	
C10	CAPACITOR	10uF 35V	COMP.ALEC.T006.0001	
C11	CAPACITOR	0.1uF 63V	COMP.POLY.T001.0001	
D1	LED	Green Ø5mm	COMP.OPTO.T003.0002	
D2	LED	Red Ø5mm	COMP.OPTO.T003.0001	
D3	DIODE	1N4007	COMP.RECT.T002.0001	
D4	LED	Green Ø5mm	COMP.OPTO.T003.0002	
D1A	MECHANICAL	Nylon Spacer 3mm	COMP.MECH.0011.0003	
D2A	MECHANICAL	Nylon Spacer 3mm	COMP.MECH.0011.0003	
D4A	MECHANICAL	Nylon Spacer 3mm	COMP.MECH.0011.0003	
FS1	FUSE	Rest Table Fuse 1.1 Ampere	COMP.PROT.T003.0001	
J1	CONNECTOR	3 way pin header	COMP.CONN.T008.0A03	
J2	CONNECTOR	3 way pin header	COMP.CONN.T008.0A03	
J1A	CONNECTOR	Shorting Link 2.54mm Jumper	COMP.RSTR.0001.0001	
J2A	CONNECTOR	Shorting Link 2.54mm Jumper	COMP.RSTR.0001.0001	
OSC1	CRYSTAL	11.059MHz	COMP.XTAL.T002.0003	
R1	RESISTOR	470R 5%	COMP.RSTR.T001.0471	
R2	RESISTOR	470R 5%	COMP.RSTR.T001.0471	
R3	RESISTOR	8K2 5%	COMP.RSTR.T001.0823	
R4	RESISTOR	10K 5%	COMP.RSTR.T001.0103	
R5	RESISTOR	100R 5%	COMP.RSTR.T001.0101	
R6	RESISTOR	470R 5%	COMP.RSTR.T001.0471	
REG1	REGULATOR	L7805CV	COMP.PSUA.T001.0001	

Designator	Part Type	Description	Part Field 1	Part Field 2
REG1A	FASTENER	Nylon Rivet Black	COMP.FAST.0009.3640	
SK1	CONNECTOR	Right Angle 12 pin Header	COMP.CONN.T027.0B12	
T1	CONNECTOR	Rising Clamp Interlocking 4 way	COMP.CONN.0009.0004	
T2	CONNECTOR	Rising Clamp Interlocking 3 way	COMP.CONN.0009.0003	
T3	CONNECTOR	Rising Clamp Interlocking 3 way	COMP.CONN.0009.0003	
T4	CONNECTOR	Rising Clamp Interlocking 3 way	COMP.CONN.0009.0003	
T5	CONNECTOR	Rising Clamp Interlocking 4 way	COMP.CONN.0009.0004	
U1	MICRO-CONTROLLER	TS87C52X2 40 pin DIP	COMP.PROC.T001.0001	
U2	RS232	RS232 Driver/ Receiver 20 pin DIP	COMP.IFCE.T002.0001	
U3	RS485	Low Power Transceiver 8 pin DIP	COMP.IFCE.T001.0001	
U4	Microprocessor	Supervisory Circuit 16 pin DIP	COMP.SFIC.T001.0001	
U1A	CONNECTOR	DIP Socket 40 pin	COMP.CONN.T028.0240	
U2A	CONNECTOR	DIP Socket 20 pin	COMP.CONN.T028.0120	
U3A	CONNECTOR	DIP Socket 8 pin	COMP.CONN.T028.0108	
U4A	CONNECTOR	DIP Socket 16 pin	COMP.CONN.T028.0116	
RPC/BIM	MODULE	Radio Packet Controller	COMP.MODL.0009.0418	COMP.MODL.0009.0433
M1	FASTENER	Pan Head Pozidriv Screw M3 12mm	COMP.FAST.0010.3012	
M2	MECHANICAL	Fibre Washer M3 Red	COMP.MECH.0009.0030	
M3	MECHANICAL	Nylon Spacer 3mm	COMP.MECH.0011.0003	
M4	FASTENER	M3 Nut	COMP.FAST.0004.0030	
M5	ASSEMBLY	CCC-B100 UHF Cable	CABL.ASSY.B100.0001	
PCB	CIRCUIT BOARD	Printed Circuit Board CCC-B100	COMP.PCBL.B100.0001	

Notes:

1. Part field 2 is to permit different build options. Refer to specified drawings for details.
2. Blank fields denote parts not fitted.
3. Part fields separated by horizontal lines may be selected independently of each other.