

SCHEMATIC

HAND HELD TRANSCEIVER SR-9E2

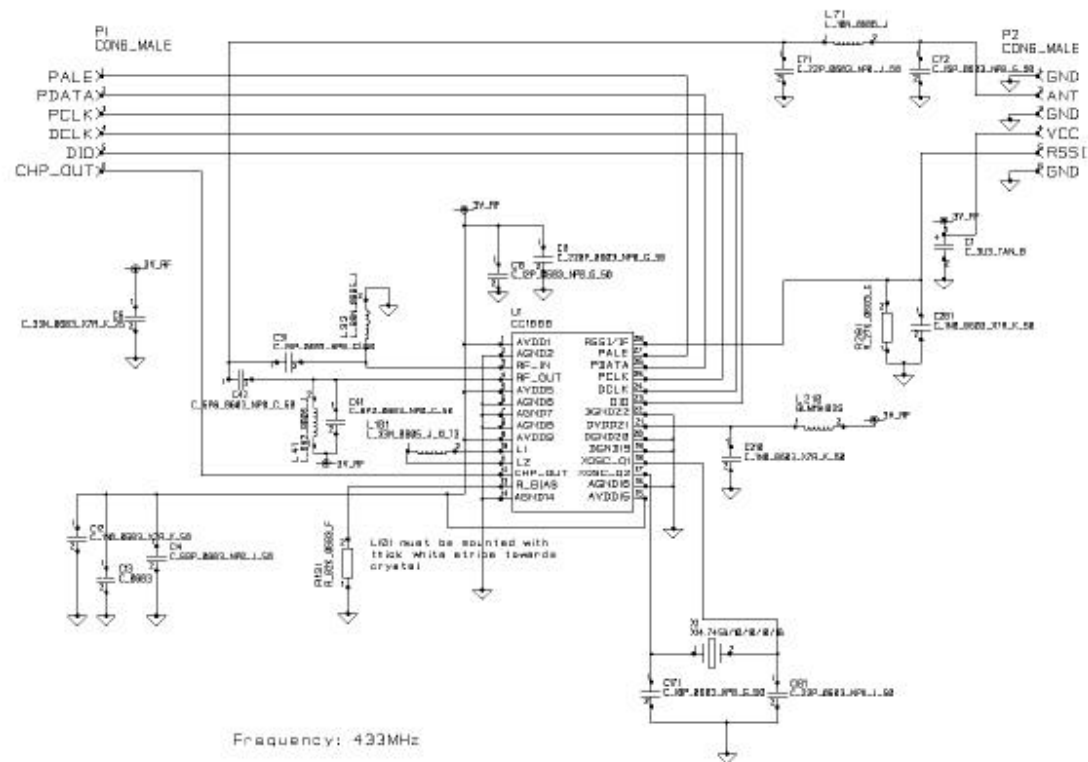
WESTINGHOUSE LIGHT MANAGEMENT SYSTEMS



**Asian Electronics Ltd.****BILL OF MATERIAL****Title:- BOM for HAND HELD TRANSCEIVER
WITH KEY PAD (SR9E2)****Doc. No.****3BM-010-05****Notes:-****Rev.Date****TD/Selvam****13.12.04****1) PCB NO. 9E-02****T. pages.****2 No.****2) Drg. No. 4ED-197-02****Name****Sign****Date****Prepared****Murugesh****6/11****Approved****RR**

PCB Indent No.	Item Code	Description	Qty	Manufacturer	Remarks
Resistor SMD					
	R1-4	1K, 0.25W, 5% tol, 1206 Package	4		
	R-5	0E, 0.25W, 5% tol, 1206 Package	1		
	R6	10K, 0.25W, 5% tol, 1206 Package	2		
	R7-9,12	4.7K, 0.25W, 5% tol, 1206 Package	4		
	R13	100E, 0.25W, 5% tol, 1206 Package	1		
	R14	2.2K, 0.25W, 5% tol, 1206 Package	1		
	R23	56E,0.25W, 5% tol, 1206 Package	1		
Capacitors SMD					
	C1	0.1ufd,25V,5% tol,1206 Package	1		
	C3,4	33pfd,25V,2% tol,1206 Package	2		
Semiconductors SMD					
	D4-9	Diode 1N4148, 1206 package	6		Rev.No.2
	D10	Diode 1N4007, 1206 package	1		Rev.No.4,5
	Q1,2	Transistor BC 847	2		
Resistor Thru Hole					
	R15,R16,	1K,0.25W,CFR	2		Rev.No.4
	R17,R18	10K,0.25W,CFR	2		Rev.No.4,5
	SIPR1	10K, (SIP Resistor)	1		,4EC-127-00
Capacitor Thru' hole					
	C2,5,6	10ufd, 25V,Electrolytic	3		Rev.No.2, 4
	CX	0.1ufd, 25V,Ceramic Disc	1		4EC-127-00,Rev No.5
Semiconductor Thru' Hole					
	D2,3,13,14	Diode 1N4007	1		Rev.No.4
	Q3	Transistor 2N2222,T.H.	1		Metal Can Package
	Q4	Transistor 2N2906,T.H.	1		Metal Can Package
	Q7	Transistor BC 547	1		Rev.No.4
	Q6	Transistor SK-100 (Metal Can Package)	1		Rev.No.4
	XTAL1	Crystal 11.0592 Mhz	1		Rev.No.2,5
		(Low Profile)			

	IC1	Atmel AT89C51, 40 pin DIP Package	1	Atmel	Rev.No.2
	IC2	IC LM 7805 (Voltage Regulator) TO-220 Package	1		Rev.No.2
	Others				
	J1-5,D1,D12	Jumper Wire Dia.= 0.6mm, Pitch = 8mm	7		Rev.No.2, 4,5 D12 is now in new position.
	CN2	Burg pin Double Row, Male 14 Pin	1		Rev.No.2,5 ,4EC-127-00
	CN5	Burg pin Single Row, Male 14 Pin Female 6 Pin	1 2		Rev.No.2,5 Rev.No.4
	IC Base	DIP,40 Pin	1		
		16 Key-Key Pad With Cable & (14 Pin) Connector Female	1		Rev.No.4,5
	CHIPCON RF MODULE	Chipcon CC1000PP OR	1		BOM: 3BM - 011 - 01
	RF MODULE	Chipcon CC1000PPA	1		BOM: 3BM - 012 - 00
	PCB	PCB NO.SR9E-02 L=87mm, W=72mm, T=1.6mm. Single Side, Glass Epoxy	1		Rev.No.2, 4
	LCD	LCD Module 16X1 Power Light KSLK 104478	1		Rev.No.5
	Connector	9 Pin Sub-D female Bucket Type	1		
		FRC connector 14 pin Double Row One Side Female ,Crimped	1		Rev.No.5 Rev.No.3, 4
	BOX	9Volt Battery Connector LCD BOX Top Door Bottom Door	1	NIXXON	
	Sockets	Male DC Socket 20V	1		Rev.No.3
	Power Supply	Adaptor I/P120VAC / O/P 9VDC	1		Rev.No.3,5
	Hardwares	CSK Star head self threaded M4X20 MS screw	4		Rev.No.3
		CSK Star head self threaded M3X8 MS screw	2		Rev.No.3
		CSK Star Head Black Anodising M3X8 MS screw	2		Rev.No.3



PROJECT NO.	02519	COMPANY NAME	CHIPCEN AS
APPROVALS	DATE	DATE	CC1000PP 433MHz
DRAWN	KHT	SIZE	A3
CHECKED		PCOM NO.	DWG NO.
ISSUES		SCALE	SHEET 1/1

**Asian Electronics Ltd.****BILL OF MATERIAL****Title:- BOM for CHIPCON MODULE****Doc. No.****3BM-011-01****Notes:-****Rev.Date****T. pages.****2 No.****Name****Sign****Date****Prepared****SJ/Selvam****12.07.04****Approved****RR**

PCB Indent No.	Item Code	Description	Qty	Manufacturer	Remarks
	C1	Capacitor, tantal,3.3μF.			
	C6	Capacitor 0603, 33nF, 10%			
	C10	Capacitor 0603 ,12pF, 5%			
	C11	Capacitor 0603,220pF, 5%			
	C12	Capacitor 0603,1nF, 10%			
	C13	Capacitor 0603, general			
	C14	Capacitor 0603 ,68pF, 5%			
	C31	Capacitor 0603 15pF, 2%			
	C41	Capacitor 0603 ,8.2pF			
	C42	Capacitor 0603, 5.6pF			
	C71	Capacitor 0603, 22pF, 5%			
	C72	Capacitor 0603 ,15pF, 2%			
	C171	Capacitor 0603 ,18pF, 2%			
	C181	Capacitor 0603, 22pF, 5%			
	C210	Capacitor 0603 ,1.0nF, 10%			
	C281	Capacitor 0603, 1.0nF, 10%			
	L32	Inductor 0805, 68nH, 5%			
	L41	Inductor 0805,6.2nH, 5%			
	L71	Inductor 0805,10nH, 5%			
	L101	Inductor 0805,33nH, 5%			
	L210	EMI filter bead		BLM11A102S	
				Murata	
	P1	6 Pin male-row connector			
	P2	6 Pin male-row connector			
	R131	Resistor 0603,82kW, 1%			
	R281	Resistor 0603,27kW, 2%			
	U1	CC1000		chipcon	

