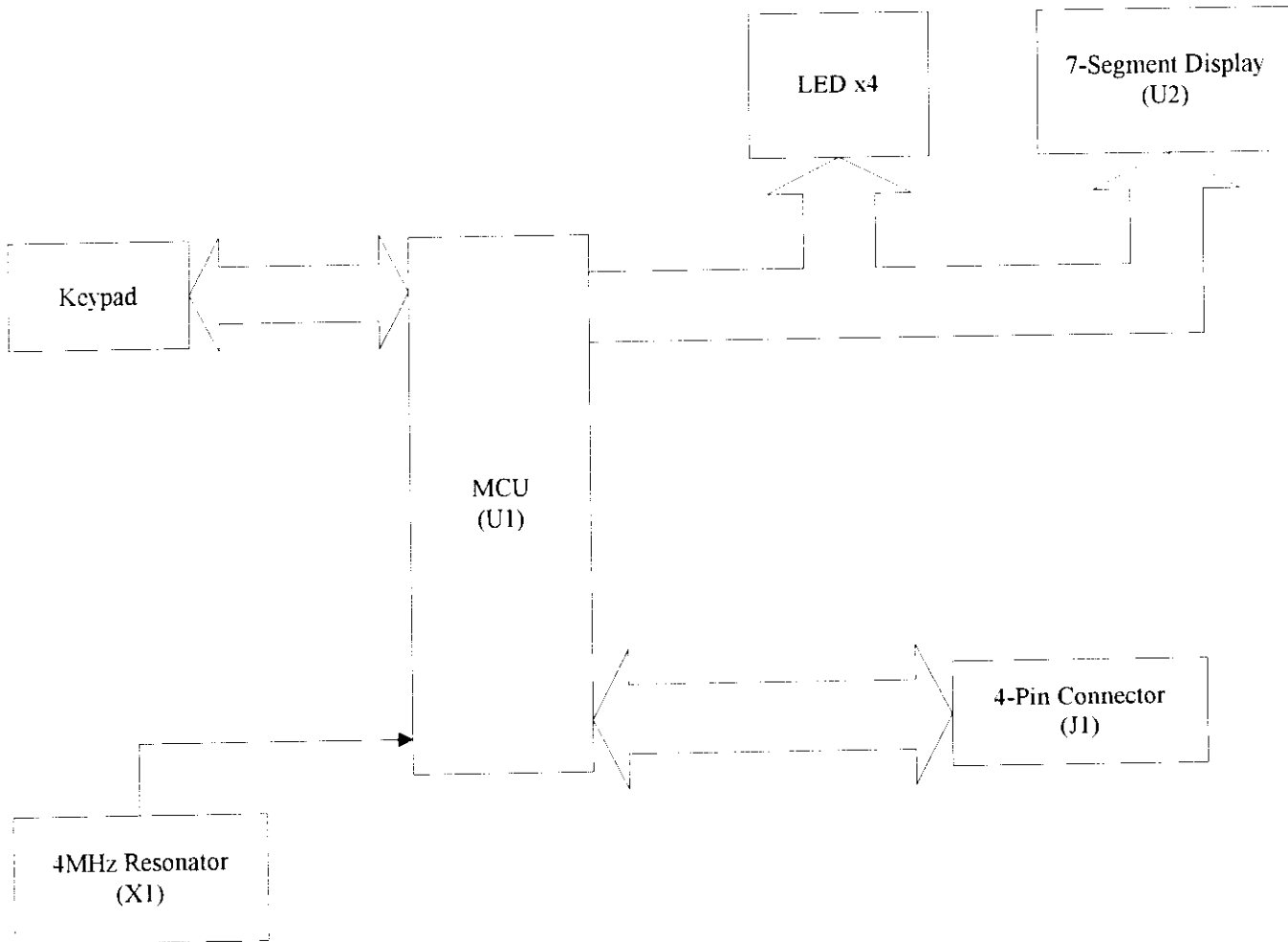
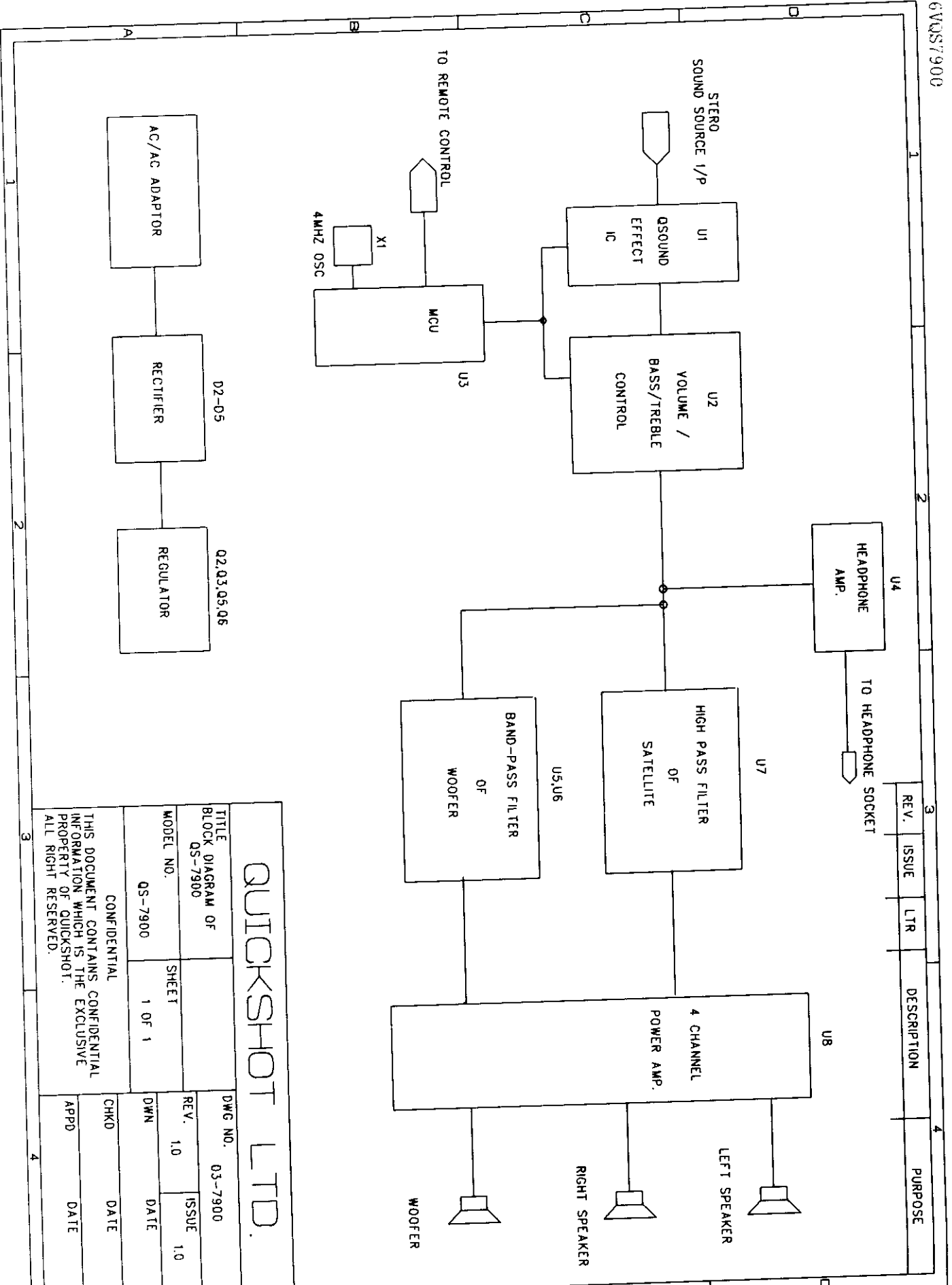


Functional Block Diagram of QS7900 Main Unit

1. Qsound effect IC (U1)
To process input sound source with Qsound mode.or normal Stereo mode.
2. Volume/Bass/Treble control (U2)
Control the volume,bass,treble through MCU (U3)
3. MCU (U3)
Update and corresponding setting from the remote control and respect to the speaker unit.
4. 4MHZ OSC (X1)
It provides reference timing to the MCU.
5. Headphone Amp. (U4)
It is a small power amp. For headphone .
6. High pass filter of Satellite (U7)
Only let the mid to high frequency to satellite. Amp.
7. Bass-pass filter (U5,U6)
Only let the range of low frequency to woofer amp.
8. 4 channel Power Amp. (U8)
Using 2 of 4 channel for satellite left and satellite right channel. Using other 2 channel to build up a bridge amp for woofer amp.

Functional Block Diagram of QS7900 Remote Unit





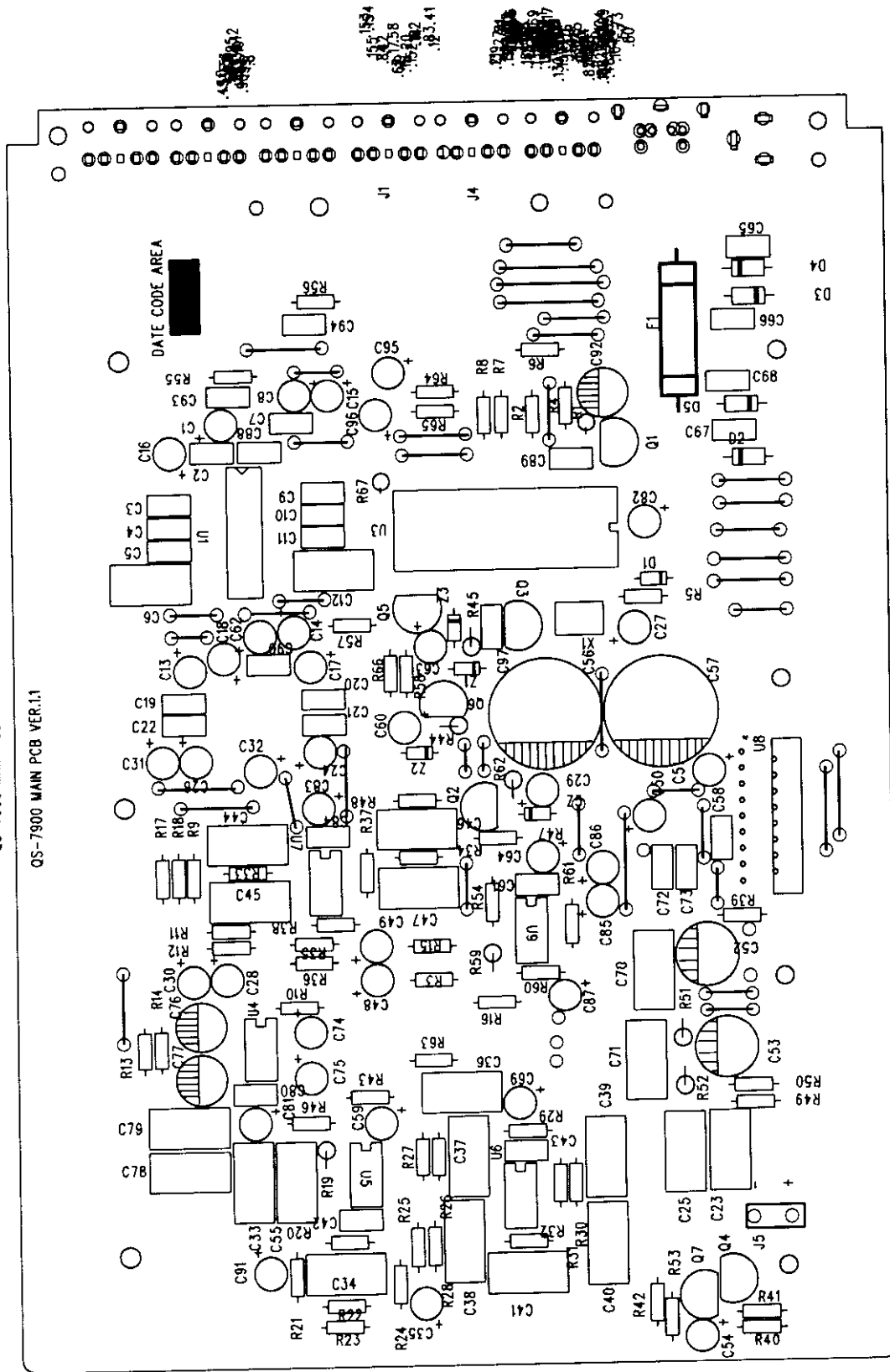
QUICKSHOT LTD.

TITLE		DWG NO.	
BLOCK DIAGRAM OF		03-7900	
MODEL NO.	SHEET	REV.	ISSUE
QS-7900	1 OF 1	1.0	1.0
CONFIDENTIAL		CHKD	DATE
THIS DOCUMENT CONTAINS CONFIDENTIAL		APPD	DATE
INFORMATION WHICH IS THE EXCLUSIVE			
PROPERTY OF QUICKSHOT.			
ALL RIGHT RESERVED.			

SCALE 1:1

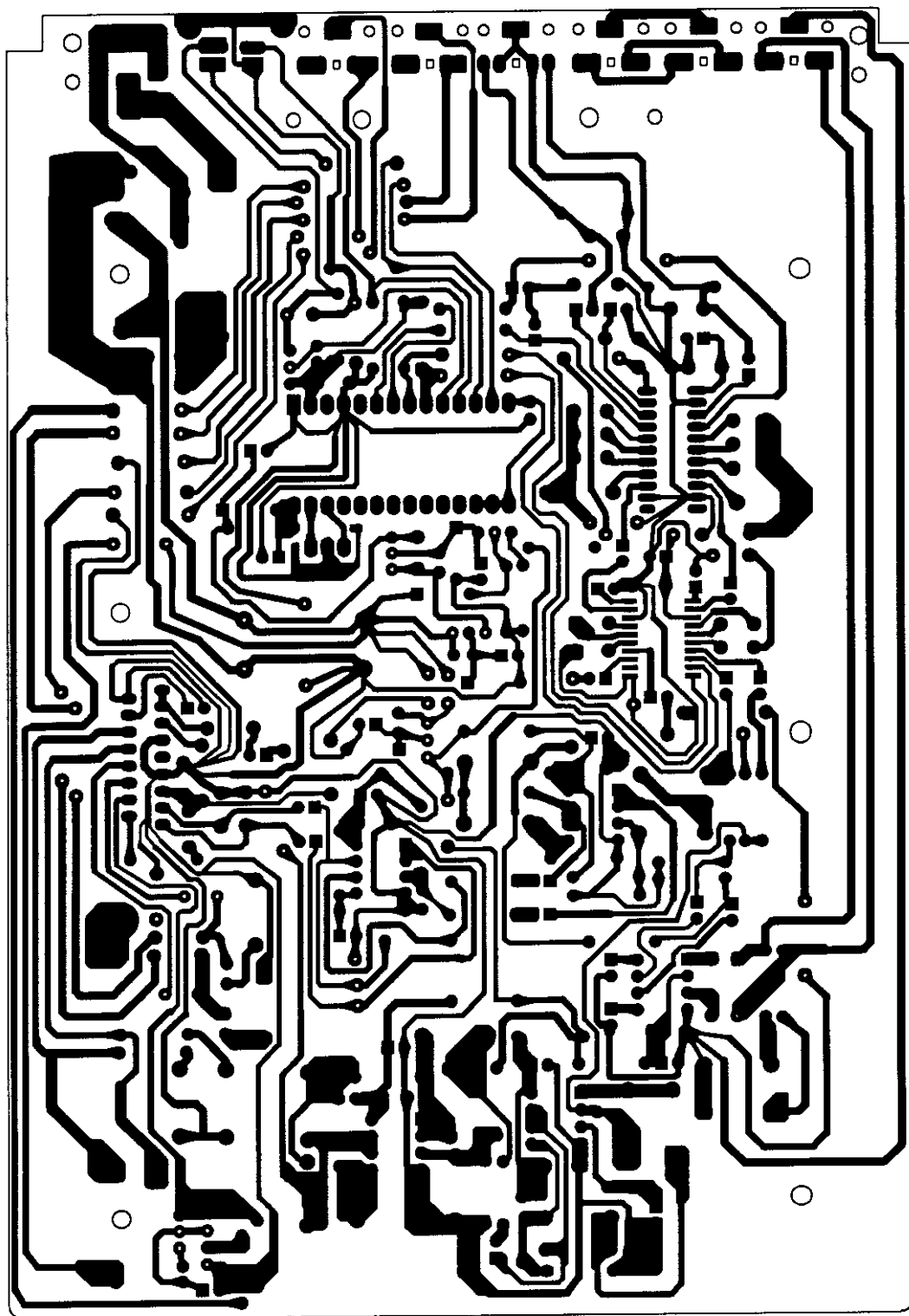
QS-7900 MAIN PCB VER.1.1

QS-7900 MAIN PCB VER.1.1



QS-7900 Main PCB Layout

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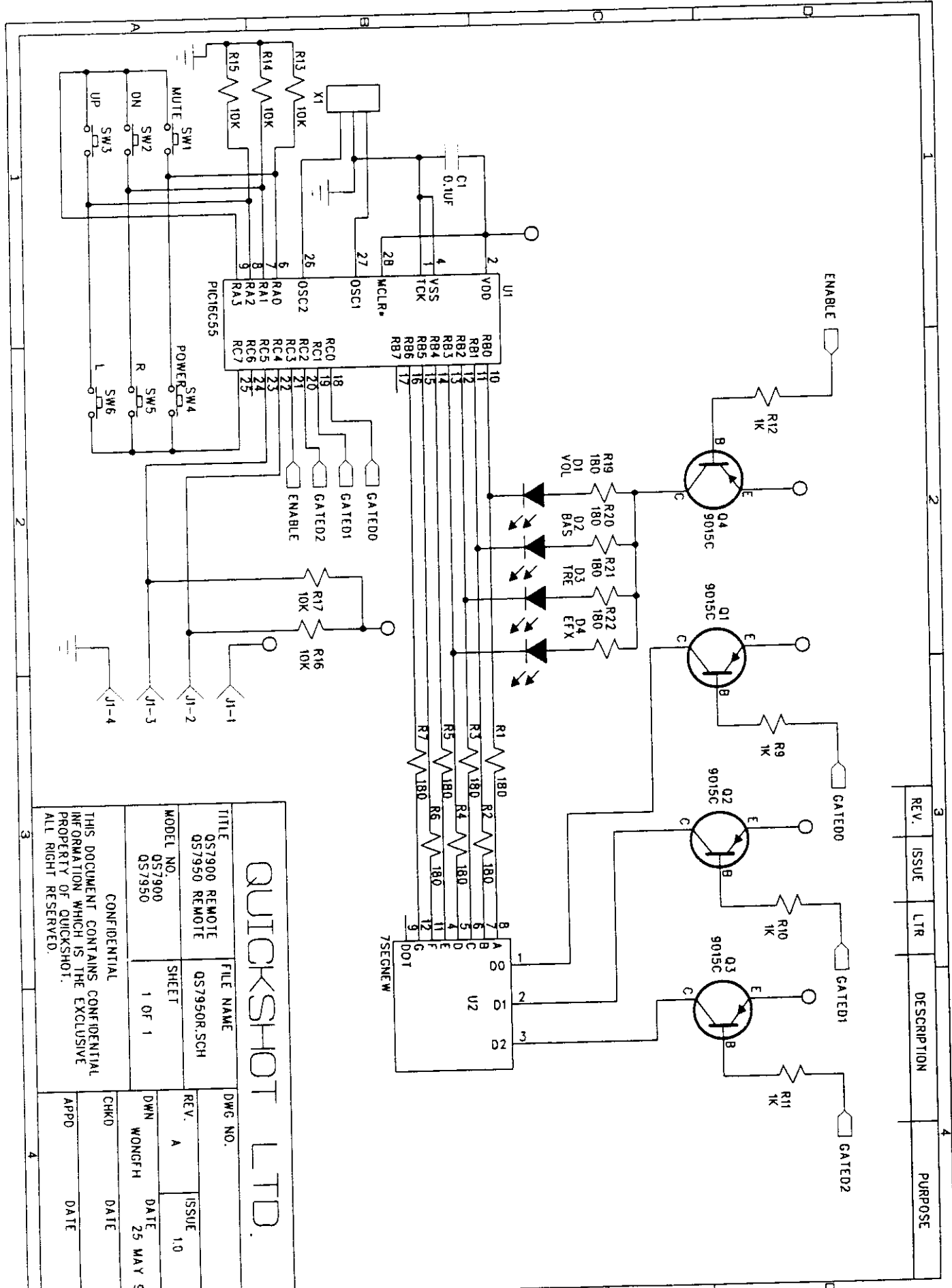


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FCC ID: A6VQS7900



Part list of QS7900 Remote Unit:

1740047

Item	MC ID	Description	Usage	Reference
1.		Ceramic Capacitor	1	C1
2.		4-Wire Cable	1	J1-1 - J1-4
3.		PIC16C55-XT/P	1	U1
4.		LED 3mm Red	4	D1 - D4
5.		LED 7-Segment x 3 Green	1	U2
6.		Resistor 180 ohm 1/8W +/- 5%	11	R1 - R7 R19 - R22
7.		Resistor 1k ohm 1/8W +/- 5%	4	R9 - R12
8.		Resistor 10k ohm 1/8W +/- 5%	5	R13 - R17
9.		Resonator 4MHz	1	X1
10.		Rubber Pad	1	SW1 - SW6
11.		Transistor 9015C	4	Q1 - Q4

1. MCU (U1)

The controller is the core of QS7900 Remote Unit. It responds to the

keypad action for the operation of the Speaker Unit through a cable,

and update the corresponding setting with respect to the Speaker Unit.

2. Resonator (X1)

It provides reference timing to the MCU.

3. LED

Indicates the mode of operation on the 7-segment Display

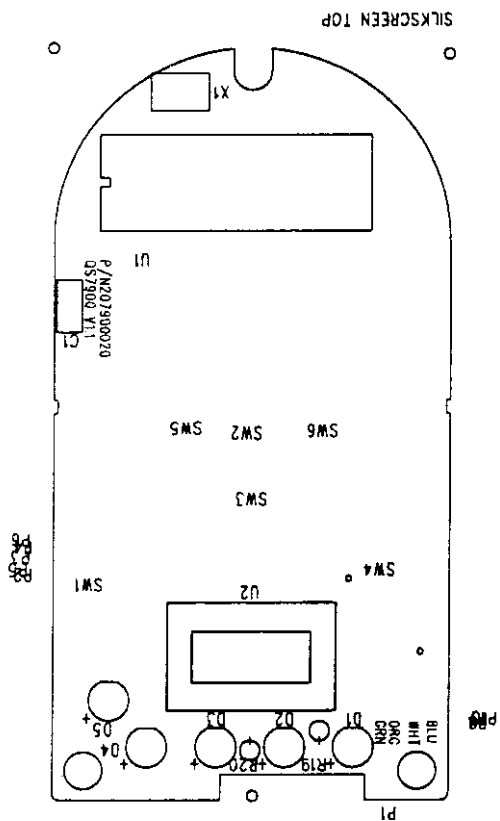
4. 7-Segment Display (U2)

Displays the current volume/level setting.

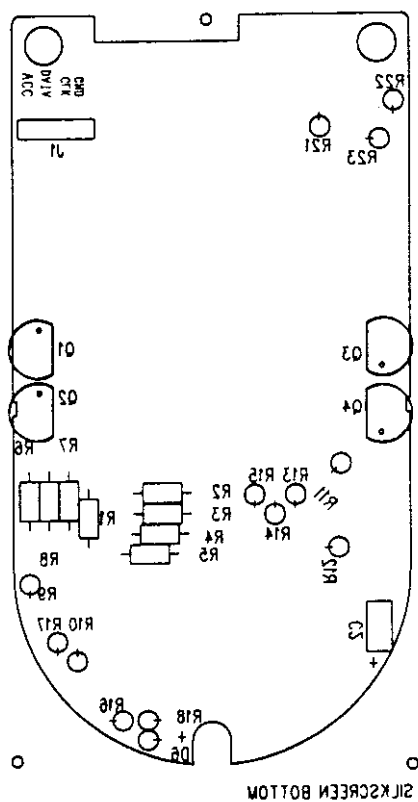
5. 4-Pin Connector (J1)

Carries the control signal from Remote Unit to Speaker Unit.

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AS NEW REMOTE UNIT PER LAYER



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FCC ID: N6VQS7900

COBBLE SIDE BOTTOM

