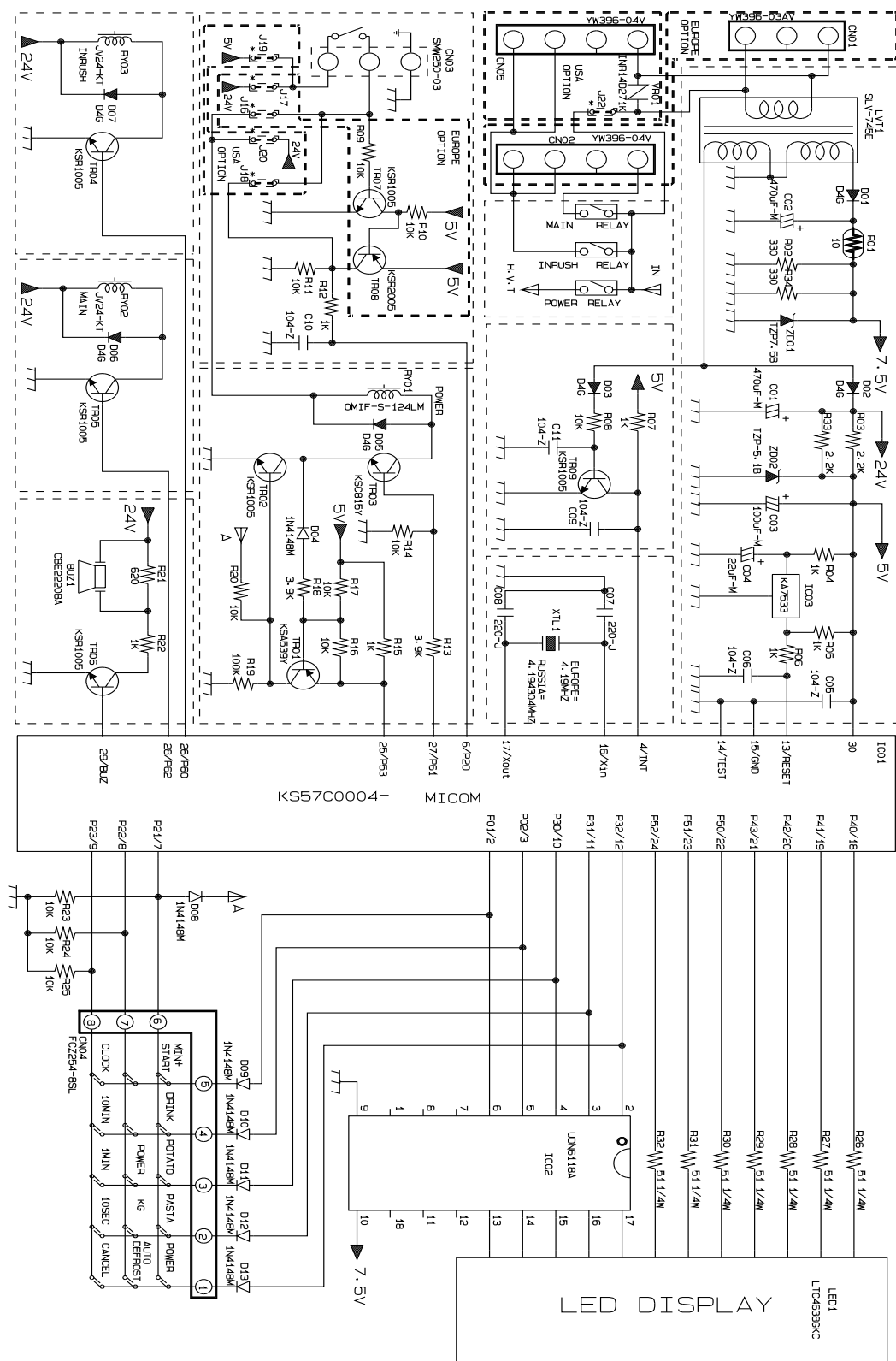


## 8. P.C.B Diagrams

### 8-1 P.C.B Diagrams



## 8-2 P.C.B Parts List

Parts No.	Description / Specification	Q'ty	Remarks
0401-001002	DIODE-SWITCHING;1N4148M,100V,200mA,500mW	7	D04,08~13
0402-000559	DIODE-RECTIFIER;D4G,400V,1A,T-1	6	D01~03,05~07
0501-000283	TR-SMALL SIGNAL;KSA539-Y,PNP,400mW,TO-92	1	TR01
0501-000388	TR-SMALL SIGNAL;KSC815-Y,NPN,400mW,TO-92	1	TR03
2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm 1	2	R08~11,14,16,17,19,20,23~25
2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	7	R04~07,12,15,22
2001-000446	R-CARBON;2.2Kohm,5%,1/2W,AA,TP,3.3x9mm	1	R03
2001-000613	R-CARBON;3.9Kohm,5%,1/8W,AA,TP,1.8x3.2mm	2	R13,18
2001-000841	R-CARBON;51ohm,5%,1/4W,AA,TP,2.4x6.4mm	7	R26~32
2001-000904	R-CARBON;620ohm,5%,1/8W,AA,TP,1.8x3.2mm	1	R21
2003-000471	R-METAL OXIDE(S);10ohm,5%,2W,AA,TP,4x12mm	1	R01
2202-000780	C-CERAMIC,MLC-AXIAL;UP050F104Z 100NF,+80	4	C05,06,09,10
2401-000247	C-AL;1SA1ANB107MAN 100UF,20%,10V,GP 6.3X	1	C03
2401-000914	C-AL;CESSL1C220M0511AA 22UF,20%,16V,GP 5	1	C04
2401-001362	C-AL;1SA1CNB477M 470UF,20%,16V,GP 10X12.	1	C02
2401-001412	C-AL;1SG1VFB477MAN 470UF,20%,35V,GP 10X1	1	C01
2802-000143	RESONATOR-CERAMIC;KBR-4.19M 4.19MHZ,0.5%,BK	1	XTL1
3501-001014	RELAY-POWER;OM1F-S-124LM 24V,21.8MA,17A	1	RY01
3501-001016	RELAY-MINIATURE;JV24-KT 24V,12.5MA,5A 1F	2	RY02,03
3708-000523	CONNECTOR-FPC/FC/PIC;FCZ254-08SL,BLK 8P,	1	CN04
3711-000203	CONNECTOR-HEADER;1WALL,3P,1R,3.96mm,STRA	1	CN01
3711-000881	CONNECTOR-HEADER;SMW250-03,WHT BOX,3P,1R	1	CN03
A1000-0620	R-CARBON;RD 1/2 T(S) 331-J	1	R02
A1100-1049	C-CERAMIC;CC OA CH 50V T 220-J 3.5X1.9 U	2	C07,08
A4060-0008	TR-W/RESISTOR;KSR1005 300MW 100MA 50V EB	6	TR02,04~07,09
A4060-0009	TR-W/RESISTOR;KSR2005 300MW -100MA -50V	1	TR08
A4106-0154	DIODE-ZENER;TZP5.1B 5.1/5.7V 40MA T 1W	1	ZD02
A4106-0204	DIODE-ZENER;TZP7.5B 7.5/8.4V 40MA T 1W	1	ZD01
A6010-0461	CONNECTOR-WAFER;YW396-04V WHT	1	CN02
DE07-20126A	LED DISPLAY;LTC4638GKC GRN 12 30 48.2X22.38	1	LED1
DE09-30487A	IC-MCU;KS57C0004-64 DIP M745(2ND-W,LED,EURO)	1	IC01 
DE13-20009A	IC;KA7533 DIP	1	IC03 
DE13-20033A	IC-DRIVE;UDN6118A DIP	1	IC02 
DE26-20146A	TRANS-L.V;SLV-745E 230V 50HZ AC17/7V	1	LVT1
DE30-20016A	BUZZER;CBE2220BA STICK	1	BUZ1
DE39-60001A	WIRE-SO COPPER;PI0.6 SN T 52MM	24	J01~17,22~28
DE60-60012A	PIN-EYELET;ID2.1 OD2.5 L3.0 SN BSP T0.25	8	E01~08

## 9-1 Schematic Diagrams

