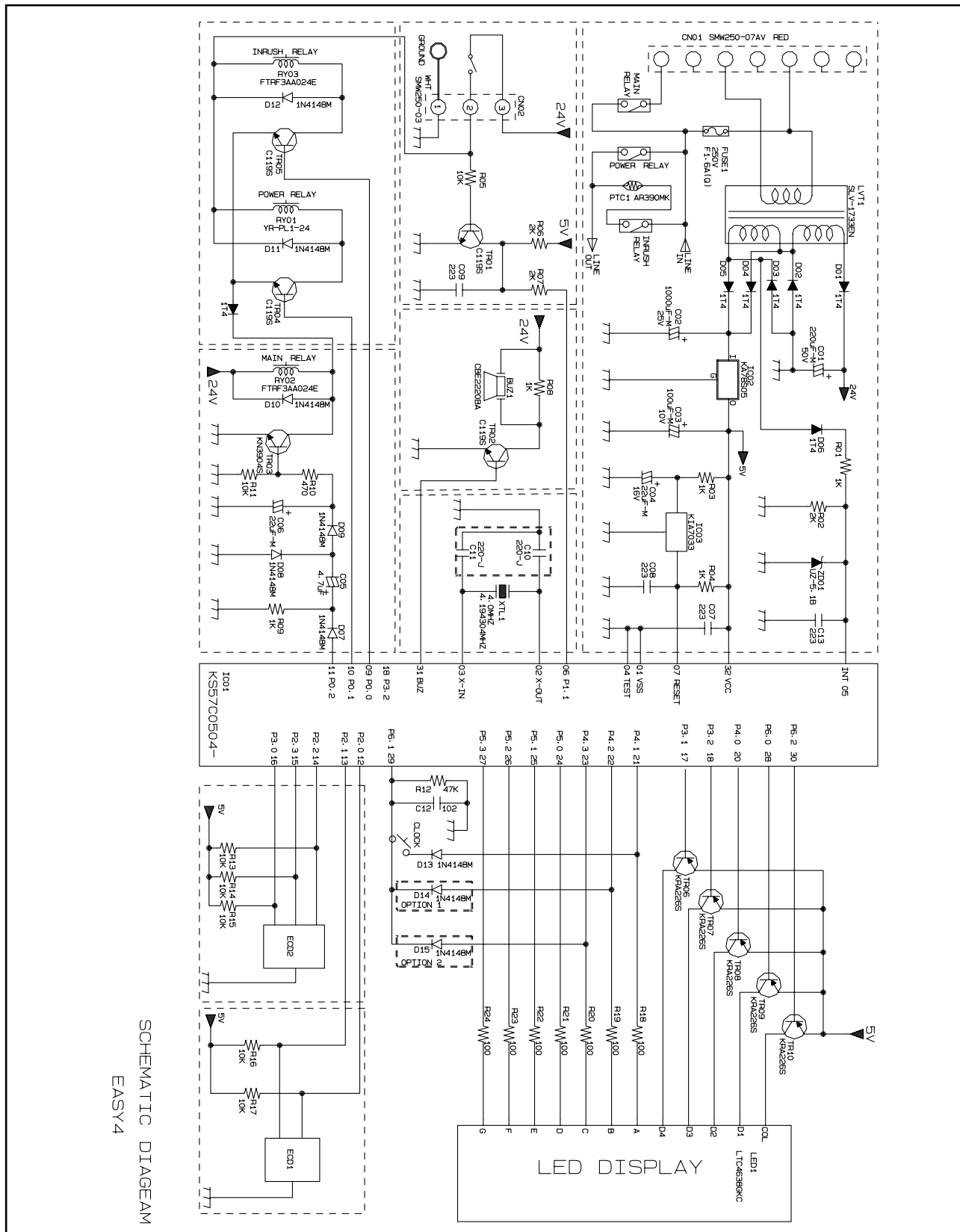


## 8. P.C.B Diagrams

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



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

No.	Parts No.	Description	Specification	Q'ty	Remarks
P 1	3501-001062	RELAY-POWER	24VDC,523.2mW,16A,1FormA,15mS,	1	RY01
P 2	3501-001155	RELAY-MINIATURE	24VDC,200MW,3000MA,1FORMA,10MS,10	2	RY02,RY03
P 3	DE07-20133B	LED DISPLAY	ELF-326GWB(L),-,GREEN,5DIGIT,29SEG,-,-	1	LED1
P 4	DE09-00051A	IC-MCU	KS57C0504,OPT,SOP,4BIT-32PIN,-,-,-,-	1	IC01
P 5	DE26-00029A	TRANS-L.V	SLV-1733EN,220V60Hz,-,AC17V/7V,-,-,-	1	LVT1
P 6	DE30-20016A	BUZZER	CBE2220BA,STICK,-,-,-,-,-,-,-	1	BUZ1
P 7	DE34-00040A	SW-ENCODER	28VDC,10mA,8-STEP,-,JES1408G	1	ECD2
P 8	DE34-00041A	SW-ENCODER	28VDC,10mA,ENDLESS,-,JES1424G	1	ECD1
P 9	DE47-40024A	HOLDER-FUSE	FH-51H,7.5A,-,-,-,-,-	1	FUSE1
P10	0401-001083	DIODE-SWITCHING	MM4148,100V,150MA,LL-34,TP	6	D07,D08,D09,D10,D11,D12
P10	0401-001083	DIODE-SWITCHING	MM4148,100V,150MA,LL-34,TP	3	D13,D14,D15
P11	0402-001103	DIODE-RECTIFIER	1T4,400V,1A,TS-1,TP	7	D01-D06,D16
P12	0403-001288	DIODE-ZENER	ZMM55C5V1,4.8-5.4V,500MW,LL-34,TP	1	ZD01
P13	0501-000465	TR-SMALL SIGNAL	MMBT3904,NPN,225mW,SOT-23,TP,3	1	TR03
P14	0504-000130	TR-DIGITAL	KSR1105TF,NPN,200MW,4.7K/10K,SOT-23,	4	TR01,TR02,TR04,TR05
P15	0504-001008	TR-DIGITAL	RN2427,PNP,200MW,2.2K/10K,SOT-23,TP	5	TR06,TR07,TR08,TR09,TR10
P16	1202-000141	IC-VOLTAGE COMP.	7033,SOT-89,3P,-,SINGLE,0V,-,P	1	IC03
P17	1203-001037	IC-VOLTAGE REGULATOR	78L05,SOT-89,3P,185MIL,PLASTIC	1	IC02
P18	1404-001194	THERMISTOR-PTC	39ohm,20%,220/240V,270Vac,1.2A,-,TP	1	PTC1
P19	2007-000293	R-CHIP	100OHM,5%,1/8W,DA,TP,3216	7	R18-R20,R21,R22,R23,R24
P20	2007-000300	R-CHIP	10KOHM,5%,1/10W,DA,TP,2012	7	R05,R11,R13-R17
P21	2007-000468	R-CHIP	1KOHM,5%,1/10W,DA,TP,2012	5	R01,R03,R04,R08,R09
P22	2007-000671	R-CHIP	2KOHM,5%,1/10W,DA,TP,2012	3	R02,R06,R07
P23	2007-000931	R-CHIP	470OHM,5%,1/10W,DA,TP,2012	1	R10
P24	2007-000941	R-CHIP	47KOHM,5%,1/10W,DA,TP,2012	1	R12
P25	2203-000444	C-CERAMIC,CHIP	1nF,10%,50V,X7R,TP,2012,-	1	C12
P26	2203-001608	C-CERAMIC,CHIP	22nF,+80-20%,50V,Y5V,TP,2012	6	C07,C08,C09,C13,C14,C15
P27	2401-000151	C-AL	1000uF,20%,25V,GP,TP,10x20,5	1	C02
P28	2401-000244	C-AL	100uF,20%,10V,GP,TP,6.3x7,5	1	C03
P29	2401-000914	C-AL	22uF,20%,16V,GP,TP,5x11,5	2	C04,C06
P30	2401-002075	C-AL	4.7uF,20%,50V,GP,TP,5x11,5	1	C05
P31	2401-002598	C-AL	220uF,20%,50V,GP,TP,10x16,5	1	C01
P32	2802-000161	RESONATOR-CERAMIC	4MHz,0.5%,TP,10.0x5.0x7.5mm	1	XTL1
P33	3404-001129	SWITCH-TACT	12VDC,50mA,160gf,6.6x6.6x7mm,-	1	SW1
P34	3711-000881	CONNECTOR-HEADER	BOX,3P,1R,2.5mm,STRAIGHT,SN	1	CN02
P35	3711-004200	CONNECTOR-HEADER	BOX,5P/7P,1R,2.5MM,STRAIGHT,SN	1	CN01
P36	DE39-60001A	WIRE-SO COPPER	PIO.6,SN,T,52MM,TAPING_WIRE,-,	5	J01,J03,J04,J05,J06