

Sheet1

MPN	Description	Schematic Part No.
EEUFM1H220	Al Cap Panasonic FC 22uF 50V	C1, C2, C45
	Al Cap Panasonic FC 100uF 35V	C32, C33
EEUFM1E471L	Al Cap Panasonic FC 470uF 25V	C5, C6
EEUFM1V471L	Al Cap Panasonic FC 470uF 35V	C41, C42
B32652A4104J000	PP Cap EPCOS 100nF	C21, C22, C23, C25, C29, C30
MKP1837333011	PP Cap Vishay 33nF 1%	C7, C8
MKP1837310011	PP Cap Vishay 10nF 1%	C9, C10
FG28C0G1H102JNT00	MLCC Cap TDK 1nF C0G	C11, C12, C13, C14
FG28C0G1H681JNT00	MLCC Cap TDK 680pF C0G	C17, C18, C19, C20
FG28C0G1H101JNT00	MLCC Cap TDK 100pF C0G	C3, C4
K104M15X7RF53H5	MLCC Cap Vishay 100nF X7R	C43, C44, C40, C46, C47, C48
MC7815ACTG	15V Positive Regulator	U4
MC7915ACTG	15V Negative Regulator	U5
1N4007	Silicon Rectifier Diode	D1, D2
1N5818	Schottky Diode	D6, D7
1N4148	Silicon Small Signal Diode	D3, D4
BC548C	NPN Transistor	Q1
BC556/2N4403	PNP Transistor	Q2
NE5534AP	Operational Amplifier	U1, U2
NJM5532D	Operational Amplifier	U3
AR 08 HZL-TT	8 pin DIP socket	NA
RS 734-7072	SPDT Toggle Switch	SW1, SW2, SW3
FC68405	PCB RCA Connector	J1, J2
FC681465P	5.5mm DC power jack	J3
V23105A5005A201	24V Relay	K1
MRS16000C1000FCT00	Resistor MF 100R 1%	R5, R6, R8, R8, R39, R40
MRS16000C1200FCT00	Resistor MF 120R 1%	R9, R10
MRS16000C3300FCT00	Resistor MF 330R 1%	R11, R12
MRS16000C3900FCT00	Resistor MF 390R 1%	R27, R28
MRS16000C3301FCT00	Resistor MF 3k3 1%	R25, R26, R33, R34
MRS16000C3901FCT00	Resistor MF 3k9 1%	R35, R36
MRS16000C1202FCT00	Resistor MF 12k 1%	R15, R16, R23, R24
MRS16000C3302FCT00	Resistor MF 33k 1%	R13, R14, R15, R16, R37, R38
MRS16000C3602FCT00	Resistor MF 36k 1%	R21, R22
MRS16000C3902FCT00	Resistor MF 39k 1%	R17, R18
MRS16000C8202FCT00	Resistor MF 82k 1%	R29, R30
MRS16000C1003FCT00	Resistor MF 100k 1%	R1, R2, R3, R4, R31, R32
CFS1/2CT52A475J	Resistor CF 4M7 5%	R45
RS 707-8211	Resistor CF 680R 5%	R47
CFS1/2CT52A303J	Resistor CF 30k 5%	R42, R43
CFR25SJT-52-100K	Resistor CF 100k 5%	R41, R42
RS 707-7883	Resistor CF 470k 5%	R46
L-53ND	Orange LED 5mm 30mcd	D5