

Component list**APD043A - APD047A - APD045A**

Elettronika Code	Description	Qty
E0064	SP-320-27 DI SWITCHING POWER SUPPLY	1
MTF0116AR0	5W RMS UHF AMPLIFIER MODULE	1 (APD043A)
MTF0118AR0	5W RMS VHF-III AMPLIFIER MODULE	1 (APD047A)
MTF0125AR0	5W RMS VHF-I AMPLIFIER MODULE	1 (APD045A)
DET0531I	DET0531AR1 FAN CONVEYER	1
DET0600	DET0600R1 MECHANICAL DETAIL	1
07613	PAPST BLOWER	3
07602	BLOWER GRID	3
A1592	ATSC UHF MODULATOR MODULE	1
A1703	ATSC VHF-I/III MODULATOR MODULE	1 (APD047A_APD045A)
PAN0187R0P	PAN0187R0 FRONT PANEL	1
02700	16 WAY FEMALE CONNECTOR	2
02701	16 WAY MALE CONNECTOR	1
02699	10 WAY MALE CONNECTOR	4
02867	20 WAY FEMALE CONNECTOR	1
02695	DB9 CONNECTOR FOR IU008059 CABLE	2
02518	SMB SOCKET FOR RG174 CABLE	1
02519	SMA SOCKET FOR RG174 CABLE	6
05069	TOROIDAL FILTER	1
DET0670	DET0670R0 MECHANICAL DETAIL	1
DET0315	DET0315R0 2U HANDLE KIT	2
08502	RG 316 50Ω CABLE	1.40
08521	RG 179 75Ω CABLE	0.60
SCH0135AR1	DISPLAY BOARD	1
02035	BNC FEMALE CONNECTOR FOR RG316 CABLE	8
DET1322R1P	DET1322R1P MECHANICAL DETAIL	1
DET1323R0P	DET1323R0P CONVEYER	1
DET0876I	DET0876R1 POWER SUPPLY CONVEYER	1
CON0352R2S	CON0352R2 BOX	1
CON0353R0P	CON0353R0P COVER	1
FLR0002	FUSE DRAWER	1
FLR0003	AC FILTER	1
FUS02A	2A FUSE	2
02503A	90° SMA SOCKET FOR RG 316 CABLE	2
V0760	BLACK PLASTIC TAP	2

SCH0135AR1 COMPONENT LIST

Part Name/Number	Description	Qty.	Comps.	Page 1/2
BATT BH001RB 3093_90	03093 03090 BATTERY HOLDER	1	BATT1	
CC 100nF-S 01065E	01065E Y5V 0805 COND	26	C7-8, C13, C18, C21, C23-24, C26, C29, C32, C34-36, C38-39, C43, C45, C47-48, C50-52, C57, C59, C62, C65	
CC 10nF-S 01053A	01053A SMD 0805 COND	1	C9	
CC 15pF-SS	01088A SMD 0805 COND	4	C10, C14-15, C20	
CC 1nF-S 01096A	01096A SMD 0805 COND	9	C1-2, C27-28, C44, C60-61, C63-64	
CC 1uF100V-S 01760A	01760A Y5V 1206 COND «50V»	9	C19, C31, C33, C37, C49, C53-56	
CC 220nF-S 01069B	01069B Y5V 0805 COND	3	C40-42	
CC 47pF-S 01090B	01090B SMD 0805 COND	2	C6, C11	
CE 10uF16V-S	01626B TANT. ELETTR SMD CO	2	C12, C22	
CE 10uF16V-S 01776A	01776A ELETTR SMD COND	4	C5, C17, C30, C58	
CE 22uF25V-S	01632 TANT. ELETTR SMD CON	1	C3	
CE 47uF 16V-S	01636A TANT. ELETTR SMD CO	1	C46	
CE 4u7F35V-S 01623A	01623A TANT. ELETTR SMD CO	1	C4	
CE 4u7F35V-S 01774A	01774A ELETTR SMD COND	1	C25	
CE D4 N. M.	N. M. ELETTR SMD COND	1	C16	
D BAS85-S	03024 SMD DIODE SCHOTTKY	3	D1-3	
D BAS85-S N. M.	N. M.	1	D4	
D BAT54S	03199 SMD SCH. DIODE A-K T	8	D5-6, D8-13	
D LM431-S	04614 SMD ADJ. ZENER	1	D7	
DIS MGLS12864T	03083A 128x64 DOT (BLUE-LED)	1	DIS1	
DL LEDG3 03053	03053 GREEN LED DIODE 3mm	1	DL1	
DL LEDR3 03058	03058 RED LED DIODE 3mm	1	DL3	
DL LEDY3 03051	03051 YEL. LED DIODE 3mm	1	DL2	
EN ENCODER DDM427	03095 ENCODER	1	EN1	
IC 24LC64 04815	04815 SMD INTEG CIRCUIT	1	IC13	
IC 74HC00-S 4762A	4762A SMD INTEG CIRCUIT	1	IC15	
IC AD5312BRM-S	04592A SMD INTEG CIRCUIT	1	IC6	
IC CD4053BC-S 04710A	04710A SMD INTEG CIRCUIT	2	IC12, IC18	
IC LM324M-S 04658A	04658A SMD INTEG CIRCUIT	1	IC2	
IC LM358M-S 04660	04660 SMD INTEG CIRCUIT	2	IC5, IC8	
IC LMC6484-S	04634 SMD INTEG CIRCUIT	3	IC3, IC9, IC19	
IC M41T56 04611	04611 SMD INTEG CIRCUIT	1	IC16	
IC MAX232-S 04804B	04804B SMD INTEG CIRCUIT	1	IC11	
IC MAX3080-S 04770	04770 SMD INTEG CIRCUIT	1	IC14	
IC MAX942CSA-S	04572 SMD INTEG CIRCUIT	1	IC1	
IC MB90F543PF	04596 SMD INTEG CIRCUIT	1	IC7	
IC MPC100T-450I-TT	04577 SMD INTEG CIRCUIT	1	IC4	
IC SN75176B-S 04720	04720 SMD INTEG CIRCUIT	1	IC17	
IC ULN2003A 4870	04870 SMD INTEG CIRCUIT	1	IC10	
IND MS85 10uH-S	04948 INDUCTOR 2,7A	3	L2-4	
IND MS85 N. M.	INDUCTOR N. M.	1	L1	

Part Name/Number	Description	Qty.	Comps.	Page 2/2
JDB9_F-0° LT	02794 PCB CON. DB9 LONG T	1	J4	
JFC-10P 02697-02699	02697+02699 PCB CON. POL	2	J1, J5	
JFC-16P 02701-02700	02701+02700 PCB CON. POL	1	J2	
JFC-20P 02868-02867	02868+02867 PCB CON. POL	2	J3, J6	
R 0805 N. M.	N. M. RES 1/4W 5% SMD 08	4	R6, R34, R65, R68	
R 0R0-SS	00001A RES 1/4W 5% SMD 0805	1	R35	
R 100K-S 00065C	00065C RES 1/4W 5% SMD 0805	7	R3-4, R8, R16, R36, R72, R74	
R 100R-S 00029B	00029B RES 1/4W 5% SMD 0805	6	R49-50, R60, R71, R73, R90	
R 10K-S 00053C	00053C RES 1/4W 5% SMD 0805	28	R11, R19, R22-27, R30-33, R38, R41, R43, R44-45, R47-48, R62, R67, R69-70, R81-83, R88-89	
R 10R-S 00017B	00017B RES 1/4W 5% SMD 0805	2	R7, R61	
R 150R-SS	00031C RES 1/4W 5% SMD 0805	2	R77, R85	
R 18K-S 00056A	00056A RES 1/4W 5% SMD 0805	1	R39	
R 1K0-S 00041C	00041C RES 1/4W 5% SMD 0805	12	R40, R42, R46, R52-53, R56-57, R64, R75, R78-79, R87	
R 1K5-SS	00043C RES 1/4W 5% SMD 0805	4	R76, R80, R84, R86	
R 1M-SS	00077B RES 1/4W 5% SMD 0805	1	R17	
R 22K-S 00057C	00057C RES 1/4W 5% SMD 0805	3	R12, R20, R28	
R 2K2-S 00045C	00045C RES 1/4W 5% SMD 0805	2	R13-14	
R 330R-S 00035C	00035C RES 1/4W 5% SMD 0805	2	R37, R66	
R 3K9-SS	00048C RES 1/4W SMD 0805	1	R58	
R 470K-SS	00073B RES 1/4W 5% SMD 0805	4	R5, R15, R21, R55	
R 470R-S 00037C	00037C RES 1/4W 5% SMD 0805	2	R9-10	
R 47K-S 00061C	00061C RES 1/4W 5% SMD 0805	2	R54, R63	
R 5K6-S 00050C	00050C RES 1/4W 5% SMD 0805	1	R29	
R 680R-SS	00039C RES 1/8W 1% SMD 0805	3	R18, R51, R59	
RL TQ2-SA-12 07569A	07569A RELE	2	RLY1-2	
RV 10K-3266X 00807	00807 VARIABLE RESISTOR	2	R1-2	
SW SWITCH-4DIP 90°	07531A PCB DIP SWITCH 90°	1	SW1	
TR BC848 03457	03457 NPN SMD TRANSISTOR	3	TR1-3	
XTAL 32.768k-S 05146	05146 QUARTZ	1	XTAL2	
XTAL 4MHz-S 05101A	05101A QUARTZ	1	XTAL1	

DESCRIPTION

The MTF0116A is the final stage of the 5W UHF RMS of the transmitter, based on LDMOS technology. It includes the final stage itself (SCH0417A), its cooling heatsink, and an interface board (SCH0388B) which allows to control the forward power, the reflect power, the Gain and the temperature. The final amplifier is provided with a GATE control to inhibit the power output, a circuit to monitor the output and the needed circuits to read the output forward and reflected power. The power reading is an RMS measurement.

TECHNICAL CHARACTERISTICS

Output Power	5W RMS
Frequency Range	470 - 860MHz
Gain	43dB $\pm$ 0.5
Power Supply	28V $\pm$ 2%
Total Quiescent Current (cold)	6A $\pm$ 5%
Output Impedance	50 Ω
Input Impedance	50 Ω
Input Return Loss	$\geq$ 15dB

TRANSISTOR NAME	BIAS CURRENT
TR1 Pre-Driver BLF1043	0.4A
TR2 Driver BLF1043	0.6A
TR3 Output Stage MRF373	2.5A
TR4 Output Stage MRF373	2.5A

MTF0116A COMPONENT LIST

Part Name Code	Description	Qty
00432	50 Ω 60W TERMINAL RESISTOR	1
00664	LM35DT THERMAL SENSOR	1
01400	BYPASSING CAPACITOR	2
01403	BYPASSING CAPACITOR	5
02209B	PANEL MOUNTING N SOCKET	1
02512	SMA SOCKET	1
02515	SMB SCREW cod. R114313000	1
03469	BLF1043.112 TRANSISTOR	2
04031A	MRF363ALR5 LDMOS TRANSISTOR	2
04340	LM317T VOLTAGE REGULATOR	1
07683	1.0mm SILVER WIRE	0.20
08502	RG 316 50 Ω CABLE	0.10
C0171	AWG22 TEFLON CABLE	0.25
DET1026	DET1026R0 MECHANICAL DETAIL	2
DET1320R1P	DET1320R1P MECHANICAL DETAIL	1
DET1330R2P	DET1330R2P HEAT SINK MODULE	1
SCA0115	SCA0115R0 COVER	1
SCA0128R1B	SCA0128R1B RF AMPLIFIER MODULE BOX	1
SCH0388BR1	POWER SUPPLY INTERFACE BOARD	1
SCH0417AR0	5W RMS UHF AMPLIFIER MODULE	1
V0771	3x5 MALE/FEMALE SPACER	4

SCH0417AR0 COMPONENT LIST

Part Name/Number	Description	Qty.	Comps.
CC 100nF-S 01065C	01065C Y5V 1206 CAPACITOR	4	C43-46
CC 100pF-S 01092	01092 SMD 1206 CAPACITOR	2	C53-54
CC 1nF-S 01096	01096 SMD 1206 CAPACITOR	2	C41-42
CC 1uF 100V	01077A CERAMIC CAPACITOR	2	C51-52
CC 470nF 63V-S	01073 POLIESTER SMD CAPAC.	1	C50
CE 10uF16V-S	01626B TANT. ELET. CAPACITOR	1	C40
CE 10uF50V-S 01779A	01779A ELET. SMD CAPACITOR	3	C47-49
CP 10pF-S	CHIP CHB	2	CP7-8
CP 12pF-S	CHIP CHB	2	CP5-6
CP 15pF-S	01121 CHIP CHB	4	CP1-4
CP 1p8F-S	01102A CHIP CHB	4	CP11-14
CP 47pF-S	01130 CHIP CHB	2	CP9-10
CP 5p6F-S	01109 CHIP CHB	2	CP21-22
CP 6p8F-S	CHIP CHB	6	CP15-20
D 1N4148-S 03002	03002 SMD DIODE	2	D5-6
DZ 3V9-S	03134 SMD ZENER DIODE	2	DZ4-5
HANAREN 1F1304-3	05368 HIBRID COUPL. ANAREM	2	H1-2
IND CBD8 05072	05072 INDUCTOR	2	L6-7
IND VK200 05013	05013 INDUCTOR	2	L4-5
R 10R-S 00017A	00017A RES 1/4W 5% SMD 1206	2	R29-30
R 1K5-S 00043A	00043A RES 1/4W 5% SMD 1206	2	R35-36
R 22K-S 00057A	00057A RES 1/4W 5% SMD 1206	2	R31-32
R 3K3-1W-S	00400 RES 1W 5% SMD 2512	1	R26
R 47K-S 00061A	00061A RES 1/4W 5% SMD 1206	2	R27-28
R 47R-1W-S	00384 RES 1W 5% SMD 2512	1	R33
R 50R 60W TERM	00432 50Ω 60W RF TERM	1	R34
RV 50K-S-H/S 00797	00797 SMD VARIABLE RESISTOR	2	R24-25
TR MRF373A-S	04031A LDMOS TRANSISTOR	2	TR3-4

DESCRIPTION

The MTF0118A is the final stage of the 5W VHF RMS of the transmitter, based on MOS technology. It includes the final stage itself (SCH0436A), its cooling heatsink, and an interface board (SCH0388B) which allows to control the forward power, the reflect power, the Gain and the temperature. The final amplifier is provided with a GATE control to inhibit the power output, a circuit to monitor the output and the needed circuits to read the output forward and reflected power. The power reading is an RMS measurement.

TECHNICAL CHARACTERISTICS

Output Power	5W RMS
Frequency Range	170 - 230MHz
Gain	43dB $\pm$ 0.5
Power Supply	28V $\pm$ 2%
Total Quiescent Current (cold)	2.6A
Output Impedance	50 Ω
Input Impedance	50 Ω
Input Return Loss	$\geq$ 15dB

TRANSISTOR NAME	BIAS CURRENT
TR1 Pre-Driver BLF1043	0.4A
TR2 Driver BLF1043	0.6A
TR3 Output Stage MRF373	1.5A

MTF0118A COMPONENT LIST

Part Name Code	Description	Qty
00432	50 Ω 60W TERMINAL RESISTOR	1
00664	LM35DT THERMAL SENSOR	1
01400	BYPASSING CAPACITOR	2
01403	BYPASSING CAPACITOR	5
02209B	PANEL MOUNTING N SOCKET	1
02512	SMA SOCKET	1
02515	SMB SCREW cod. R114313000	1
03469	BLF1043.112 TRANSISTOR	2
04031A	MRF363ALR5 LDMOS TRANSISTOR	1
04340	LM317T VOLTAGE REGULATOR	1
07683	1.0mm SILVER WIRE	0.20
08502	RG316 50 Ω CABLE	0.10
C0171	AWG22 TEFLON CABLE	0.25
DET1026	DET1026R0 MECHANICAL DETAIL	2
DET1320R1P	DET1320R1P MECHANICAL DETAIL	1
DET1330R2P	DET1330R2P HEAT SINK MODULE	1
SCA0115	SCA0115R0 COVER	1
SCA0128R1B	SCA0128R1B RF AMPLIFIER MODULE BOX	1
SCH0388BR1	POWER SUPPLY INTERFACE BOARD	1
SCH0436AR0	5W RMS VHF AMPLIFIER MODULE	1
V0771	3x5 MALE/FEMALE SPACER	4

SCH0436AR0 COMPONENT LIST

Part Name/Number	Description	Qty.	Comps.	Page 1/2
CC 100nF-S 01065C	01065C Y5V 1206 CAPACITOR	11	C9, C17, C23, C33, C39, C56, C58, C77, C80, C82, C85	
CC 100pF-S 01092	01092 SMD 1206 CAPACITOR	2	C50, C54	
CC 10pF-S 01086	01086 SMD 1206 CAPACITOR	2	C14, C29	
CC 1206 N. M.	N. M. SMD 1206 CAPACITOR	4	C20, C28, C34-35	
CC 1nF 01041	01041 CERAMIC CAPACITOR	1	C45	
CC 1nF-S 01096	01096 SMD 1206 CAPACITOR	26	C1-3, C6-7, C10-11, C15-16, C18, C21, C24, C25, C30, C32, C36-37, C41, C49, C53, C78, C79, C81, C83-84, C86	
CC 1uF 100V	01077A CERAMIC CAPACITOR	1	C51	
CC 2p2F-S 01081B	01081B SMD 1206 CAPACITOR	3	C12-13, C27	
CC 33pF-S 1023A	1023A SMD 1206 CAPACITOR	1	C44	
CC 47pF-S 01100	01100 SMD 1206 CAPACITOR	2	C40, C43	
CC 4p7F-S 01083	01083 SMD 1206 CAPACITOR	2	C19, C26	
CC 68pF-S 01027A	01027A SMD 1206 CAPACITOR	1	C42	
CC 6p8F-S 01084	01084 SMD 1206 CAPACITOR	2	C74-75	
CE 10uF16V-S	01626B TANT. ELET. SMD CAP.	6	C4-5, C8, C31, C57, C76	
CE 10uF50V-S 01779A	01779A ELET. SMD CAPACITOR	4	C22, C38, C52, C55	
CP 10pF-S	01117 CHIP CHB	1	C47	
CP 1nF-S	01145 CHIP CHB	1	C48	
CP 33pF-S	01127 CHIP CHB	1	C46	
D 1N4148-S 03002	03002 SMD DIODE	3	D3-5	
D HSMP3814	03202 SMD DIODE	2	D1-2	
DZ 3V9-S	03134 SMD ZENER DIODE	4	DZ2-5	
DZ 5V1-S 03128	03128 SMD ZENER DIODE	1	DZ1	
ICAD8361 04899	04899 SMD INTEG CIRCUIT	2	IC1-2	
IND 0u6H	INDUCTOR	2	L4-5	
IND CBD8 05072	05072 INDUCTOR	3	L1, L3, L6	
IND VK200 05013	05013 INDUCTOR	1	L2	
R 0R33-1W-S	00380 RES 1W 5% SMD 2512	2	R14, R23	
R 100R-1/2W 00139	00139 RES 1/2W 5%	1	R33	
R 100R-S 00029A	00029A RES 1/4W 5% SMD 1206	3	R44, R46, R48	
R 10K-1%-S 00053B	00053B RES 1/4W 1% SMD 1206	2	R10, R19	
R 10R-S 00017A	00017A RES 1/4W 5% SMD 1206	1	R34	
R 1206 N. M.	N. M. RES 1/4W 5% SMD 1206	2	R45, R49	
R 18R-S 00020A	00020A RES 1/4W 5% SMD 1206	3	R2, R16, R31	
R 270R-S 00034A	00034A RES 1/4W 5% SMD 1206	6	R1, R3, R15, R17, R30, R32	
R 2K7-1%-S	00046B RES 1/4W 1% SMD 1206	2	R5-6	
R 330R-S 00035B	00035B RES 1/4W 5% SMD 1206	3	R9, R13, R22	
R 39R-S 00024A	00024A RES 1/4W 5% SMD 1206	2	R12, R21	
R 3K3-1W-S	00400 RES 1W 5% SMD 2512	2	R18, R26	
R 3K9-1%-S 00048B	00048B RES 1/4W 1% SMD 1206	1	R7	
R 47R-S 00025A	00025A RES 1/4W 5% SMD 1206	2	R42, R58	

Part Name/Number	Description	Qty.	Comps.	Page 2/2
R 560R-1%-S 00038B	00038B RES 1/4W 1% SMD 1206	2	R4, R8	
R 56K-S	00062A RES 1/4W 5% SMD 1206	1	R27	
R 68R-S 00027A	00027A RES 1/4W 5% SMD 1206	2	R41, R54	
R 75R-1%-S 00221B	00221B RES 1/4W 1% SMD 1206	2	R43, R47	
RV 50K-S-H/S 00797	00797 SMD VARIABLE RESISTOR	3	R11, R20, R25	
TR BLF1043-S	03469 LDMOS TRANSISTOR	2	TR1-2	
TR MRF373A-S	04031A LDMOS TRANSISTOR	1	TR3	

DESCRIPTION

The MTF0125A is the final stage of the 5W VHF-I RMS of the transmitter, based on MOS technology. It includes the final stage itself (SCH0320A), its cooling heatsink, and an interface board (SCH0388B) which allows to control the forward power, the reflect power, the Gain and the temperature. The final amplifier is provided with a GATE control to inhibit the power output, a circuit to monitor the output and the needed circuits to read the output forward and reflected power. The power reading is an RMS measurement.

TECHNICAL CHARACTERISTICS

Output Power	5W RMS
Frequency Range	55 - 90MHz
Gain	32 - 34dB ± 0.5
Power Supply	28V $\pm 2\%$
Total Quiescent Current (cold)	2.6A
Output Impedance	50 Ω
Input Impedance	50 Ω
Input Return Loss	≥ 15 dB

TRANSISTOR NAME	BIAS CURRENT
TR1 Pre-Driver BLF1043	0.4A
TR2 Driver BLF1043	0.6A
TR3 Output Stage MRF373	1.5A

MTF0125A COMPONENT LIST

Part Name Code	Description	Qty
00041B	1k Ω 1206 SMD RESISTOR	1
00664	LM35DT THERMAL SENSOR	1
01041	1nF 50V CERAMIC CAPACITOR	1
01096	1nF MULTITURN CHIP CAPACITOR	1
01400	BYPASSING CAPACITOR	2
01403	BYPASSING CAPACITOR	5
02238	N FLANGE FEMALE CONNECTOR	1
02502	SMA SOCKET	1
02515	SMB SCREW	1
03202	HSMP 3814-TRIG DIODE	1
03469	BLF 1043 TRANSISTOR	1
03985	BLF 245 TRANSISTOR	1
05013	VK 200	1
08502	RG 316 50 Ω CABLE	0.10
DET1026	DET1026R0 MECHANICAL DETAIL	1
DET1492R0P	DET1492R0 HEAT SINK MODULE	1
SCA0091	SCA0091R0 COVER	1
SCA0140R0B	SCA0140R0 AMPLIFIER MODULE BOX	1
SCH0320AR0	VHF AMPLIFIER MODULE	1
SCH0388BR1	POWER SUPPLY INTERFACE BOARD	1
V0771	3x5 MALE/FEMALE SPACER	4

SCH0320AR0 COMPONENT LIST

Part Name/Number	Description	Qty.	Comps.
CC 100nF-S 01065C	01065C Y5V 1206 CAPACITOR	3	C4, C21, C23
CC 10nF 01053	01053 CERAMIC CAPACITOR	1	C22
CC 1206 N. M.	N. M. SMD 1206 CAPACITOR	2	C28, C32
CC 1nF-S 01096	01096 SMD 1206 CAPACITOR	10	C2, C8-9, C18-20, C26-27, C30-31
CC 4p7F1%-S 01083A	01083A SMD 1206 CAPACITOR	1	C11
CE 10uF63V 01779	01779 ELET. CAPACITOR	5	C5-7, C29, C33
CP 100pF-S	01135 CHIP CHB	1	C12
CP 180pF-S	01137A CHIP CHB	1	C17
CP 1nF-S	01145 CHIP CHB	2	C14, C25
CP 22pF-S	01125 CHIP CHB	1	C24
CP 51pF-S	01129 CHIP CHB	1	C16
CP 68pF-S	01131 CHIP CHB	2	C13, C15
CV 3-10pF-S 01475	01475 VARIABLE CAPACITOR	3	C1, C3, C10
D 1N4148-S 03002	03002 SMD DIODE	2	D1-2
D BAT54S	03199 SMD SCHOTTKY DIODE	2	D3-4
DZ 3V9-S	03134 SMD ZENER DIODE	4	DZ1-4
IND CBD8 05072	05072 INDUCTOR	2	L12-13
IND RFC-G	INDUCTOR	6	L1-6
IND VK200 05013	05013 INDUCTOR	5	L7-11
R 0R68-1W-S	00381 RES 1W 5% SMD 2512	1	R9
R 100R-S 00029A	00029A RES 1/4W 5% SMD 1206	2	R16-17
R 10K 0053	0053 RES 1/4W 5%	1	R19
R 18R-S 00020A	00020A RES 1/4W 5% SMD 1206	1	R3
R 22K-S 00057A	00057A RES 1/4W 5% SMD 1206	2	R6, R12
R 270R-1/2W	00144 RES 1/2W 5%	1	R15
R 270R-S 00034A	00034A RES 1/4W 5% SMD 1206	2	R1-2
R 330R-S 00035B	00035B RES 1/4W 5% SMD 1206	1	R10
R 33K-S 00059A	00059A RES 1/4W 5% SMD 1206	1	R13
R 39R-S 00024A	00024A RES 1/4W 5% SMD 1206	1	R4
R 47K-S 00061A	00061A RES 1/4W 5% SMD 1206	1	R5
R 4K7-1W-S	00401 RES 1W 5% SMD 2512	2	R8, R14
R 56R 0026	0026 RES 1/4W 5%	1	R18
RV 50K-S-H/S 00797	00797 SMD VARIABLE RESISTOR	2	R7, R11
TR BLF1043-S	03469 LDMOS TRANSISTOR	1	TR1
TR BLF245-S	03985 LDMOS TRANSISTOR	1	TR2

***SCH0388BR1* COMPONENT LIST**

Part Name/Number	Description	Qty.	Comps.
CC 100nF-S 01065C	01065C Y5V 1206 CAPACITOR	17	C1, C4-6, C10-17, C19, C21-24
CC 1206 N. M.	N. M. SMD 1206 CAPACITOR	1	C7
CE 100uF16V-S 01792A	01792A ELET. SMD CAPACITOR	1	C9
CE 10uF35V-S 01778A	01778A ELET. SMD CAPACITOR	2	C18, C25
CE 10uF50V-S 01779A	01779A ELET. SMD CAPACITOR	1	C20
CE 220uF 35V-S	01798A ELET. SMD CAPACITOR	1	C8
CE 220uF50V LOW ESR	01799A ELET. SMD CAPACITOR	2	C2-3
D 1N4148-S 03002	03002 SMD DIODE	1	D2
D 50WQ06FN	03019A SMD DIODE SCH. 5.5A	1	D1
DL KA-3528SGC 03057	03057 GREEN SMD LED DIODE	3	DL1-3
FUSE 2A-PCB 7543	7543 FUSE HOLDER+FUSE 5x2	1	F1
IC 7805 04315	04315 VOLTAGE REGULATOR	1	IC2
IC INA168	04600A SMD INTEG CIRCUIT	1	IC3
IC LM2597T-ADJ	INTEG CIRCUIT	1	IC1
IC LM317 04340	04340 INTEG CIRCUIT	1	IC6
IC LM35DT 00664	00664 INTEG CIRCUIT	1	IC7
IC LMC6484-S	04634 SMD INTEG CIRCUIT	1	IC4
IC TC7662BCOA 04758A	04758A SMD INTEG CIRCUIT	1	IC5
IND 2uH-S 05020A	05020A INDUCTOR	1	L3
IND CBD8 05072	05072 INDUCTOR	1	L4
IND MS85 10uH-S	04948 INDUCTOR 2.7A	1	L2
IND T100uH-5A	05062A TOROIDAL-STORAGE	1	L1
J CON HD515V/05-3PVE	02893 + 02894 PANDUIT PCB	1	J2
J CON HD515V/05-5PVE	PANDUIT PCB CONNECTOR	1	J4
J FC-10P 02697-02699	02697+02699 PCB CONNEC. POL	3	J3, J6-7
J FC-16P 02701-02700	02701+02700 PCB CONNEC. POL	1	J8
JU JUMP2 02739-02742	02739+02742 MALE PAN2	4	JP1-4
R 0R02	00356 RES 20W 1%	1	R8
R 100R-1%-S 00029D	00029D RES 1/4W 1% SMD 1206	6	R9, R11, R16, R20-21, R29
R 10K-1%-S 00053B	00053B RES 1/4W 1% SMD 1206	6	R12, R19, R22, R24-25, R27
R 1206 N. M.	N. M. RES 1/4W 5% SMD 1206	1	R3
R 150K-S 00067A	00067A RES 1/4W 5% SMD 1206	1	R10
R 1K0-1%-S 00041B	00041B RES 1/4W 1% SMD 1206	2	R1, R5
R 220R-S 00033A	00033A RES 1/4W 5% SMD 1206	1	R26
R 2K7-S 00046A	00046A RES 1/4W 5% SMD 1206	1	R6
R 330R-S 00035B	00035B RES 1/4W 5% SMD 1206	1	R7
R 33K-1%-S 00059B	00059B RES 1/4W 1% SMD 1206	2	R18, R23
R 47K-1%-S 00061B	00061B RES 1/4W 1% SMD 1206	1	R14
R 560R-1%-S 00038B	00038B RES 1/4W 1% SMD 1206	1	R2
R 68K-1%-S 00063B	00063B RES 1/4W 1% SMD 1206	2	R13, R17
R 6K8-S 00051A	00051A RES 1/4W 5% SMD 1206	1	R28
R 8K2-1%-S 00052B	00052B RES 1/4W 1% SMD 1206	2	R4, R15
TR BC847 03456	03456 NPN SMD TRANSISTOR	1	TR1