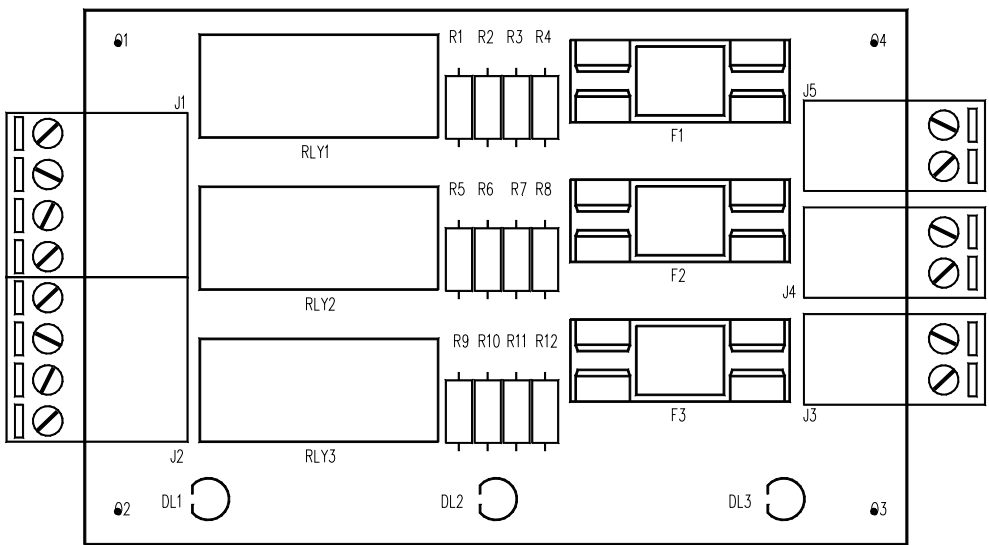


Elettronika Code	Description	Qty
01404	BYPASSING CAPACITOR	2
02015	BNC CONNECTOR FOR RG58 CABLE	7
02408	90° 7/16" MALE-90° 7/16" FEMALE CONNECTOR	1
02459	EIA 1+5/8" INNER CONNECTOR	1
02502	SMA SOCKET FOR RG58 CABLE	3
02526	EIA 1+5/8" RIGID LINE	1.00
02527	EIA 1+5/8" ANGLE	5
02791	DB9 MALE SOCKET PANEL MOUNTING	7
02844	2 POLES SHIELDED SOCKET	2
02865	4 POLES SHIELDED SOCKET	2
02871	DB9 SHELL	7
02886	3m 16A MALE/FEMALE CABLE	1
02893	3 WAY MALE SCREW TERMINAL	3
02894	3 WAY FEMALE SCREW TERMINAL	3
03205	HP 5082/2800 DIODE	2
05447	ALLOY COPPER BAR DRILLED	3
05448	M6 BAR METALS	1
06648A	EIA 1+5/8" DIRECTIONAL COUPLER	1
06655A	UHF DTV BANDPASS FILTER	1
06870	90° EIA +15/8" MECHANICAL DETAIL	1
07528A	2 POLES 16A CURRENT DEVICES	1
07549	4x63A CURRENT DEVICES	1
07550A	1P+N 500V FUSE-HOLDER	1
07553	220V GREEN LIGHT	1
07558B	TIMER MODULAR FINDER	1
07574	63A CONTACTOR	1
07620	HIGH GRID	2
07625	EBM BLOWER	2
07625A	3uF CAPACITOR	2
07810	AC FILTER	1
07970	PVC PROTECTION	2
08504	RG58 50Ω CABLE	14.00
A9029	7.5kW UHF MULTICOUPLER	1
APG012C	AMPLIFIER CONTROL	1
APG050F	230VAC THREE-PHASE POWER CONTROL	1
APT144CM	AUTV/1500LD LMOS UHF TV AMPLIFIER	4
C0205	MULTIPOLE CABLE	7.00
C0798	MERLIN PLASTIC TAP	2
CMS6006	1m 1/2" CABLE WITH 7/16" MALE CONNECTOR	4
CMS6009	1.5m 1/2" CABLE WITH 7/16" MALE CONNECTOR	3
CSS5011	N MALE-N MALE CONNECTOR FOR RG58 CABLE	5
DET1069	DET1069R0 BLOCK FOR CONTAINERS WITH WHEELS	11
DET1126	DET1126R0 EIA 1+5/8" RIGID LINE SUPPORT	2
DET1183	DET1183R3 BAR SUPPORT GUIDE	12
DET1184	DET1184R4 ANGULAR SUPPORT EQUIPMENT	8

DET1201	DET1201R1 ANGULAR SUPPORT BOX	8
DET1204	DET1204R0 GUIDE SUPPORT	2
DET1205	DET1205R0 GUIDE SUPPORT AMPLIFIER CONTROL	2
DET1283	DET1283R0 BAR SUPPORT BANDPASS FILTER	2
DET1287R2P	DET1287R2 DISTRIBUTOR NETWORK COVERAGE	1
DET1288	DET1288R0 SPECIAL SPREADING GUIDE EXCITER	2
DET1294	DET1294R1 GUIDE DIN DISTRIBUTION NETWORK	1
DET1334R0P	DET1334R0 FIXING ANGULAR AC FILTER NETWORK	1
DET1336R0P	DET1336R0 FIXING PLATE FILTER NETWORK	1
DET1343R2P	DET1343R2 ANGULAR SUPPORT EQUIPMENT	4
DET1350R0P	DET1350R0 DIN GUIDE SUPPORT POWER CONTROL	1
DET1351R0P	DET1351R0 SUPPORT NETWORK COVER. DISTRIB.	2
DET1362R2Z	DET1362R2 SUPPORT DIRECTIONAL COUPLER	1
DET1367R0P	DET1367R0 ANGULAR SUPPORT EQUIPMENT	2
DET1416R0P	DET1416R0 SUPPORT FAN CAPACITOR	1
DET1528R0P	DET1528R0 BAR SUPPORT OUTPUT COUPLER	2
DET1529R0P	DET1529R0 FIXING DEIAL OUTPUT COUPLER	2
DET1646R0P	DET1646R0 CONVEYER	2
FUS04	4A 500V FUSE	2
MTG0143AR0	0.7+0.7+1.4kW UHF DUMMY LOAD	1
MTG0149AR0	4 WAY UHF INPUT DIVIDER	1
PAN0080	PAN0080R0 1U FRONT PANEL	3
PAN0082	PAN0082R0 3U FRONT PANEL	1
SCH0268AR0	FAN CABLE BOARD	1
R0032	PLASTIC BOX FOR DOCUMENTS	1
RAK0006U42	42U OMP RACK	1
V0769	BLACK PLASTIC TAP	1
V0929	TETRAPOLAR TERMINAL	1
V0973	5 POLES AC SOCKET COVER	1
V0974	AC SOCKET COVER	1
V0975	CABLE HEAD	1
V0976	FEMALE CONTACT	5
V0989	4 WAY AC MULTISOCKET	1

Elettronika Code	Description	Qty
00173	68kΩ 1/2W RESISTOR	12
02881	4 POLES MALE CONNECTOR	2
02882A	4 POLES 90° FEMALE CONNECTOR	2
02897	2 WAY MALE CONNECTOR	3
02898	2 WAY 90° FEMALE CONNECTOR	3
03060	5mm GREEN LED	3
07528H	1 POLE 20A 250V MAGNETO-THERMIC SWITCH	1
07541	10A FUSE-HOLDER PANEL MOUNTING	1
07543	FUSE-HOLDER PCB MOUNTING	3
07561B	110V RELE	3
07638	SWITCH	1
07639	EMERGENCY BUTTON	1
CON0311	CON0311R0 COVER	1
CON0312	CON0312R0 MULTISOCKET BOX	1
DET0773	DET0773R0 MECHANICAL DETAIL	1
FUS00012	COVER FUSE	3
FUS2A	2A FUSE	1
PAN0155R2P	PAN0155R2P FRONT PANEL	1
PN1286A	PN1286AR2 PRINTED CIRCUIT BOARD	1
V0977	AC SOCKET	1
V0978	BOX	1
V0979	MALE CONTACT	5
Z0021	MECHANICAL DETAIL	2

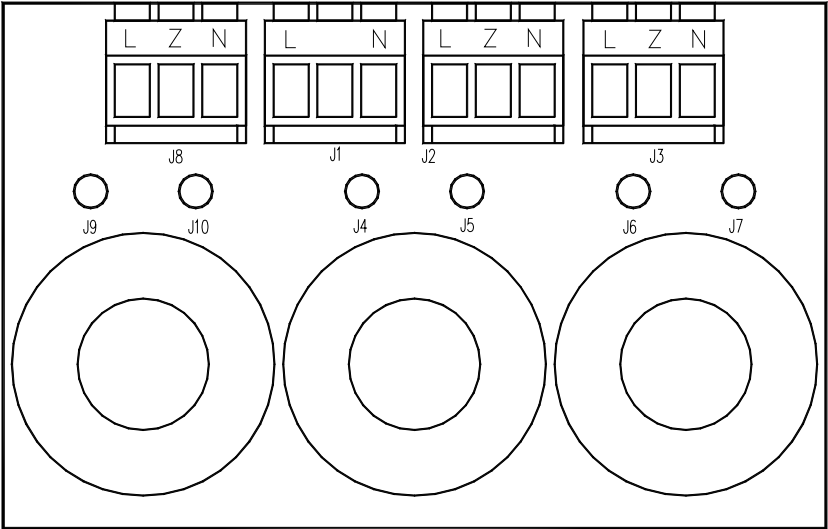
SCH0398AR0 Component layout



SCH0398AR0 COMPONENT LIST

Part Name/Number	Description	Qty.	Comps.
DL LEDG5 03060	03060 GREEN LED DIODE 5mm	3	DL1-3
FUSE 2A-PCB 7543	7543 5x2 FUSE-HOLDER + FUSE	3	F1-3
J CON KBW02_2P_M_90°	02897 + 02898 ELSAP PCB CONNECTOR	3	J3-5
J CON KBW04_4P_M_90°	02881 + 02882A ELSAP PCB CONNECTOR	2	J1-2
R 100R-1/2W 00139	00139 1/2W 5% RESISTOR	12	R1-12
RL FINDER40.52 756A	7567A RELE	3	RLY1-3

SCH0268AR0 Component layout



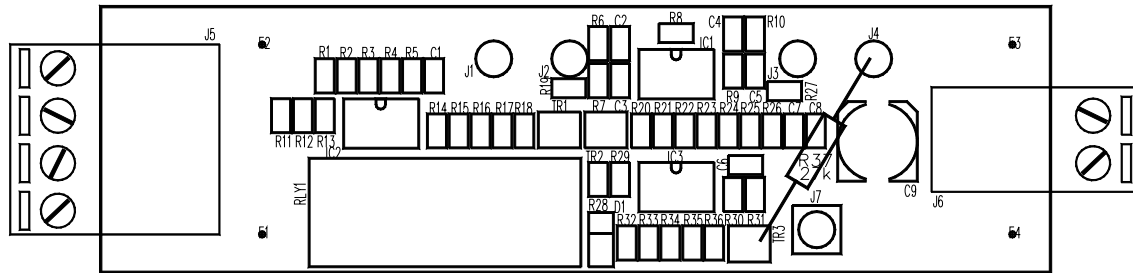
SCH0268AR0 COMPONENT LIST

Part Name/Number	Description	Qty.	Comps.
J CON HD515V/05-3PVE	02893+02894 PAN PCB CONNECTOR	4	J1-3, J8
J TESTP1.3mm 07913	07913 TEST POINT	6	J4-7, J9-10

Component list**MTG0143A**

Elettronika Code	Description	Qty
00028A	82Ω 1206 SMD RESISTOR	3
00441	350W 50Ω HIGH POWER TERMINATIONS	8
00664	LM35DT THERMAL SENSOR	2
01041	1nF 50V CERAMIC CAPACITOR	4
01041D	1nF 1206 SMD CAPACITOR	3
01400	BYPASSING CAPACITOR	4
02010	BNC FEMALE CONNECTOR	3
02018	UG909 CONNECTOR FOR RGB174 CABLE	1
02402	7/16" FEMALE CONNECTOR	3
02843	2 POLES SHIELDED SOCKET	1
02518	SMB SOCKET FOR RG174 CABLE	1
03207	HSMS-2802-TR1G DIODE	3
05552B	3-4U HANDLE KIT	2
07586	24V PAPST FAN	3
07596	GRID FAN	3
08500	RG174 50Ω CABLE	0.80
09419	PN419/A PRINTED CIRCUIT BOARD	2
CON0009	CON0009R3 REAR PANEL	1
CON0290	CON0290R0 COVER	2
CON0348R1P	CON0348R1P MECHANICAL DETAIL	1
CON0349R1P	CON0349R1P MECHANICAL DETAIL	1
DET1054I	DET54R1 MECHANICAL DETAIL	2
DET1185	DET1185R1 MECHANICAL DETAIL	2
DET1253	DET1253R2 HEAT SINK	1
DET1254	DET124R2 MECHANICAL DETAIL	1
DET1255	DET1255R1 MECHANICAL DETAIL	2
DET1256	DET1256R1 MECHANICAL DETAIL	1
DET1257	DET1257R2 DUMMY LOAD COVER	1
DET1318R0P	DET1318R0P MECHANICAL DETAIL	1
PAN0156R1P	PAN0156R1P FRONT PANEL	1
PN1269AR3F	PN1269AR3 700W UHF DUMMY LOAD	2
PN1271A	PN1271AR3 PRINTED CIRCUIT BOARD	1
PN1273A	PN1273AR2 PRINTED CIRCUIT BOARD	1
R0012	18mm DIAMETER WHEEL	8
SCH0404AR1	TEMPERATURE CONTROL BOARD	1

SCH0404AR1 Component layout



SCH0404AR1 COMPONENT LIST

Part Name/Number	Description	Qty.	Comps.
CC 100nF-S 01065E	01065E Y5V 0805 CAPACITOR	6	C1-2, C4-5, C7, C9
CC 10nF-S 01053A	01053A SMD 0805 CAPACITOR	2	C3, C6
CE 100uF50V-S 01795A	01795A ELET. SMD CAPACITOR	1	C8
IC LM358M-S 04660	04660 SMD INTEG CIRCUIT	1	IC1
IC LM393-S 04639	04639 SMD INTEG CIRCUIT	2	IC2-3
J CON KBW02_2P_M_90°	02897 + 02898 ELSAP PCB CONNECTOR	1	J6
J CON KBW04_4P_M_90°	02881 + 02882A ELSAP PCB CONNECTOR	1	J5
J SMB-PCB 02516	02516 PCB CONNECTOR	1	J7
J TESTPOINT-P	TEST POINT	4	J1-4
R 10K-S 00053C	00053C RES 1/4W 5% SMD 0805	6	R1, R6, R9, R11, R22, R34
R 12K-S 00054C	00054C RES 1/4W 5% SMD 0805	4	R7, R17, R31, R36
R 15K-S 00055C	00055C RES 1/4W 5% SMD 0805	4	R4, R15, R23, R35
R 1K0-S 00041C	00041C RES 1/4W 5% SMD 0805	2	R19, R33
R 1K8-SS	00044B RES 1/4W 5% SMD 0805	4	R2, R8, R24, R27
R 1M-SS	00077B RES 1/4W 5% SMD 0805	4	R14, R16, R29-30
R 220R-SS	00033D RES 1/4W 5% SMD 0805	2	R20-21
R 2K0-SS	00004 RES 1/8W 1% SMD 0805	2	R10, R12
R 47K-S 00061C	00061C RES 1/4W 5% SMD 0805	2	R18, R32
R 4K7-S 00049C	00049C RES 1/4W 5% SMD 0805	2	R13, R28
R 5K6-S 00050C	00050C RES 1/4W 5% SMD 0805	4	R3, R5, R25-26
RL 40.31.24	7567C RELE	1	RLY1
TR BC807 03453	03453 PNP SMD TRANSISTOR	2	TR1-2

Elettronika Code	Description	Qty
02018	BNC CONNECTOR FOR RG174 CABLE	1
02035	BNC CONNECTOR FOR RG316 CABLE	1
02695	DB9 CONNECTOR FOR IU008059 CABLE	1
02699	10 WIRE FEMALE CONNECTOR	3
02700	16 WIRE FEMALE CONNECTOR	4
02740	FEMALE PAN	1
02741	COVER PAN	1
02843	2 POLES SHIELDED SOCKET	2
02855	26 WIRE FEMALE CONNECTOR	1
02856	DB25 FEMALE CONNECTOR	1
02880	10A GREEN SOCKET	1
05504	MECHANICAL DETAIL	1
05525	MECHANICAL DETAIL	2
07524A	SWITCH	1
07925	PVC PROTECTION	1
07926	PVC PROTECTION	1
08500	RG174 50Ω CABLE	0.30
C0814	SHIELDED COPPER ADHESIVE	0.50
CON0145	CON0145R1 BOX	1
CON0153	CON0153AR0 MECHANICAL DETAIL	1
DET0313	DET0313R0 3-4U HANDLES	2
E0031	S-60-24 SWITCHING POWER SUPPLY	1
PAN0066	PAN0066AR0 FRONT PANEL	1
SCH0110BR0	ANALOG INPUT BOARD	1
SCH0152AR0	220VAC SWITCHING BOARD	1
SCH0239AR0	CONTROL BOARD AND DISPLAY	1
SCH0241AR0	IN/OUT DIGITAL BOARD	1
V0761	BLACK PLASTIC TAP	6

SCH0239AR0 COMPONENT LIST

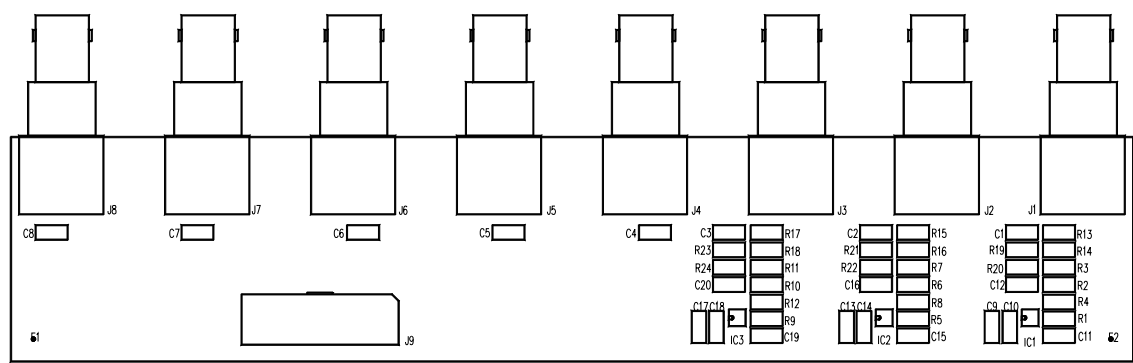
Part Name/Number	Description	Qty.	Comps.	Page 1/2
BATT BH001RB 3093_90	03093 03090 BATTERY HOLDER	1	BATT1	
BZ AI-155 03705	03705 5VDC BUZZER	1	BZ1	
CC 100nF-S 01065C	01065C Y5V 1206 COND	33	C10, C15, C17-19, C22, C25, C28, C38, C45, C49-52, C55, C62-63, C68-69, C78, C80-85, C87-88, C90, C92-95	
CC 15pF-S 01088	01088 SMD 1206 COND	2	C74-75	
CC 1nF-S 01096	01096 SMD 1206 COND	20	C12-14, C31-33, C42-43, C53-54, C56-58, C60-61, C66, C76-77, C79, C86	
CC 1uF100V-S 01760A	01760A Y5V 1206 COND <<50 V>>	8	C21, C23, C37, C64-65, C67, C71-72	
CC 220pF-S 01093	01093 SMD 1206 COND	8	C2-9	
CC 47pF-S 01100	01100 SMD 1206 COND	8	C20, C30, C35-36, C40-41, C48, C59	
CE 10uF16V-S	01626B TANT. ELETTR SMD CO	8	C24, C26-27, C29, C34, C39, C46-47	
CE 1uF50V-S 01763A	01763A ELETTR SMD COND	2	C89, C91	
CE 220uF50V LOW ESR	1799A ELETTR SMD COND LOW ESR	4	C16, C44, C70, C73	
CE 47uF35V-S 01790A	01790A ELETTR SMD COND	1	C11	
CE 47uF50V-S 01791C	01791C ELETTR SMD COND	1	C1	
D 1N4148-S 03002	03002 SMD DIODE	4	D12-13, D17, D19	
D 50WQ06FN	03019A SMD DIODE SCHOTTKY 5,5A	1	D9	
D BAS85-S	03024 SMD DIODE SCHOTTKY	8	D1-8	
D BAT54S	03199 SMD SCHOTTKY DIODE A-K T	6	D10-11, D14-16, D18	
DIS WG240128B	03083 240/128 DOT MATRIX LCD	1	LCD1	
DL KA-3528SGC 03057	03057 GREEN SMD LED DIODE	1	DL1	
DL LEDG3 03053	03053 GREEN LED DIODE 3mm	1	DL3	
DL LEDR3 03058	03058 RED LED DIODE 3mm	4	DL2, DL4, DL6-7	
DL LEDY3 03051	03051 YELLOW LED DIODE 3mm	1	DL5	
IC 24LC64 04815	04815 SMD INTEG CIRCUIT	1	IC7	
IC 74HC00-S 4762A	4762A SMD INTEG CIRCUIT	1	IC19	
IC 82B715-S 04734A	04734A SMD INTEG CIRCUIT	1	IC17	
IC CD4053BC-S 04710A	04710A SMD INTEG CIRCUIT	1	IC12	
IC LM2596S-5.0	04580 SMD INTEG CIRCUIT	1	IC14	
IC LM75-S 00668	00668 SMD INTEG CIRCUIT	1	IC8	
IC LMC6482-S	04632 SMD INTEG CIRCUIT	1	IC20	
IC LMC6484-S	04634 SMD INTEG CIRCUIT	4	IC2-5	
IC M41T56 04611	04611 SMD INTEG CIRCUIT	1	IC6	
IC MAX232-S 04804B	04804B SMD INTEG CIRCUIT	1	IC16	
IC MAX3080-S 04770	04770 SMD INTEG CIRCUIT	1	IC22	
IC MAX3080-S N.M.	NOT MOUTED SMD INTEG CIRCUIT	1	IC18	
IC MAX942CSA-S	04572 SMD INTEG CIRCUIT	4	IC9-11, IC13	
IC MB90F543PF	04596 SMD INTEG CIRCUIT	1	IC15	
IC MPC100T-450I-TT	04577 SMD INTEG CIRCUIT	1	IC21	
IC ULN2003A 4870	04870 SMD INTEG CIRCUIT	2	IC1, IC23	
IND MS85 10uH-S	04948 INDUCTOR 2,7A	1	L1	
IND T100uH-1.8A 4958	04958 TOROIDAL-STORAGE CHOKES	1	L2	

Part Name/Number	Description	Qty.	Comps.	Page 2/2
INV IN-D43A-5V	03085 DC/AC MODULE	1	INV1	
J DB9_F-0° LT	02794 PCB CONNECTOR DB9 LONG T	1	J6	
JFC-10P 02697-02699	02697+02699 PCB CONNECTOR POL	2	J11, J13	
JFC-16P 02701-02700	02701+02700 PCB CONNECTOR POL	2	J12, J14	
JFC-26P 02855-02854	02855+02854 PCB CONNECTOR POL	1	J10	
J PAN2 02739	02739 PCB CONNECTOR	1	J4	
J PAN2 02739-40-41	02739+02740+02741 PCB CONNECTO	1	J5	
J PAN3 02707	02707 PCB CONNECTOR	3	J1-3	
J PAN3 NOT MOUNTED	NOT MOUNTED PCB CONNECTOR	2	J8-9	
J SCREWCONN2 02853	02853 PCB SCREW CONNECTOR	1	J7	
JU JUMP3 02707-02742	02707+02742 MASCHIO PAN3	4	JP1-4	
R 100R-S 00029A	00029A RES 1/4W 5% SMD 1206	6	R109, R114, R119-121, R123	
R 10K-S 00053A	00053A RES 1/4W 5% SMD 1206	37	R22-27, R30, R32-33, R40, R47, R50, R57, R68, R81-82, R85, R90-101, R105-108, R116, R118, R122, R124	
R 120R-S 00030A	00030A RES 1/4W 5% SMD 1206	2	R112-113	
R 1K0-S 00041A	00041A RES 1/4W 5% SMD 1206	5	R46, R54, R87-88, R104	
R 1K5-S 00043A	00043A RES 1/4W 5% SMD 1206	2	R110-111	
R 22K-S 00057A	00057A RES 1/4W 5% SMD 1206	11	R18, R20-21, R28, R34, R36, R38-39, R41, R43-44	
R 2K2-S 00045A	00045A RES 1/4W 5% SMD 1206	8	R19, R35, R37, R42, R45, R53, R59-60	
R 330R-S 00035B	00035B RES 1/4W 5% SMD 1206	2	R89, R103	
R 33R-S 00023A	00023A RES 1/4W 5% SMD 1206	2	R86, R102	
R 470K-S 00073A	00073A RES 1/4W 5% SMD 1206	8	R48-49, R51-52, R55-56, R58, R65	
R 470R-S 00037A	00037A RES 1/4W 5% SMD 1206	30	R10-17, R29, R31, R61-64, R66-67, R69-80, R83-84	
R 4K7-S 00049A	00049A RES 1/4W 5% SMD 1206	1	R117	
R 820R-S 00040A	00040A RES 1/4W 5% SMD 1206	1	R9	
RL 30.22.24 07569	07569 RELE	5	RLY1-5	
RV 10K-S-H 00715	00715 VARIABLE RESISTOR	1	R115	
RV 1M-3266X	00815 VARIABLE RESISTOR	8	R1-8	
SW SWITCH-4DIP 90°	07531A PCB DIP SWITCH 90°	1	SW1	
SW SWITCH-8DIP	07530A PCB DIP SWITCH SMD	1	SW2	
T 06086 N 7630 7632	7630 7632 KTI06086 PULSANTE 2	4	T1-4	
TR BC848 03457	03457 NPN SMD TRANSISTOR	1	TR1	
XTAL 32.768k-S 05146	05146 QUARTZ	1	XTAL1	
XTAL 4MHz-S 05101A	05101A QUARTZ	1	XTAL2	

DESCRIPTION

SCH0110B is a simple board with 8 BNC connectors (only some of them can be mounted depending on the transmitter). It routes all the 8 analog input signals (usually for power monitoring) on a IDC connector for simple wiring with the display board.

SCH0110BR0 Component layout



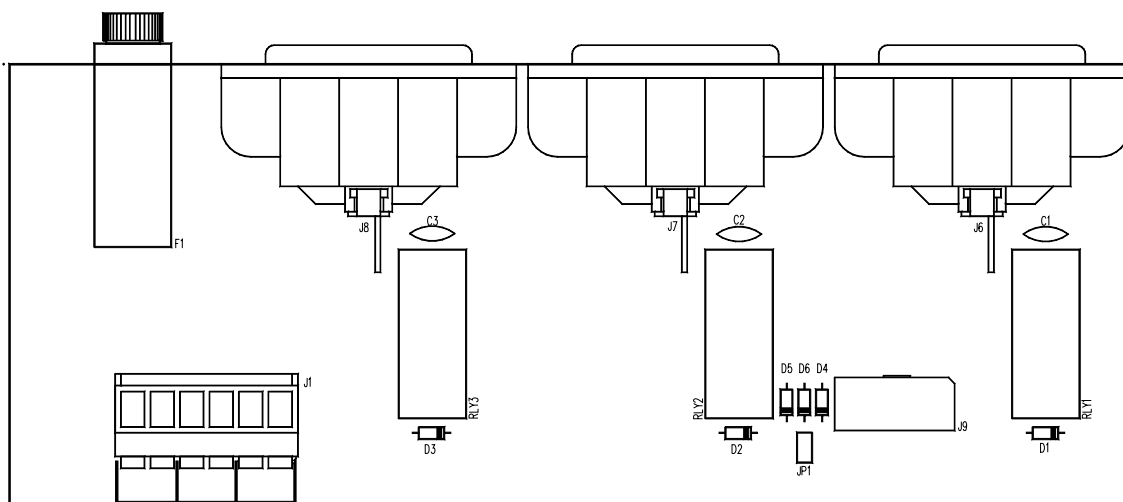
SCH0110BR0 COMPONENT LIST

Part Name/Number	Description	Qty.	Comps.
CC 1206 N. M.	N. M. SMD 1206 CAPACITOR	17	C4-20
CC 1nF-S 01096	01096 SMD 1206 CAPACITOR	3	C1-3
JBNC-90G-PCB 2034	02034 PCB CONNECTOR	3	J1-3
JBNC-90G-PCB 2034	N. M. BNC-90G	5	J4-8
JFC-16P 02701-02700	02701+02700 PCB CONNECTOR POL	1	J9
R 0R0-S 00001	00001 RES 1/4W 5% SMD 1206	6	R13, R15, R17, R19, R21, R23
R 1206 N. M.	N. M. RES 1/4W 5% SMD 1206	18	R1-12, R14, R16, R18, R20, R22, R24
Z MICRO SOIC 8P N.M.	SMD INTEG CIRCUIT NOT MOUNTED	3	IC1-3

DESCRIPTION

The SCH0152A board is based on three relays, each for one power connector (DRIVER1 POWER, DRIVER2 POWER, FANS POWER). The board is directly connected to the mains power supply and controlled by the SCH0239A (Control Board). When the microcontroller on SCH0239A decides to switch-on the DRIVER1, for example, it activates the regarding relay on SCH0152A, connecting the main power supply with the DRIVER1 POWER.

SCH0152AR0 Component layout



SCH0152AR0 COMPONENT LIST

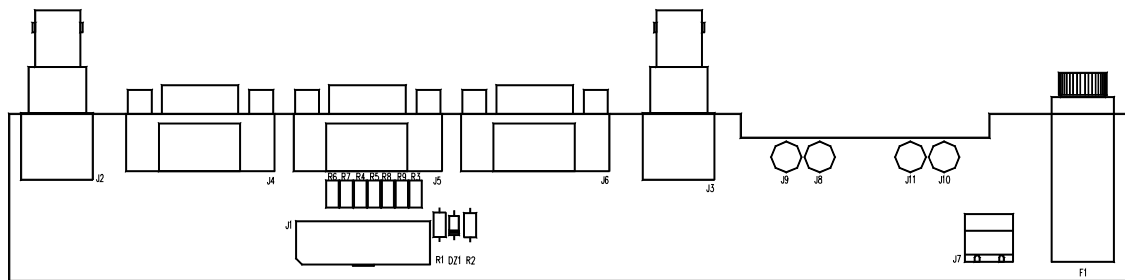
Part Name/Number	Description	Qty.	Comps.
CC 2nF2 2kV 01045A	01045A CERAMIC CAPACITOR	3	C1-3
D 1N4148 03001	03001 DIODE	6	D1-6
FUSE OMEGA C1034	FUS00008 FUSE-HOLDER 5x20 D	1	F1
J CON HD515V/05-6PVE	02883 + 02884 PANDUIT PCB CONN	1	J1
J FC-10P 02697-02699	02697+02699 PCB CONNECTOR POL	1	J9
J VASCHETTA IEC	02879 VASCHETTA FEMALE PCB	3	J6-8
JU JUMP2 02739-02742	02739+02742 MALE PAN2	1	JP1
RL40.31.24	7567C RELE	3	RLY1-3

DESCRIPTION

Several connectors are present on SCH0241A: 2 D-SUB9F for the RS485 AMs bus, 1 D-SUB9F for RS485 dedicated to the remote control, 2 BNC for Interlock and Fans control, 2 dual-poles connectors for +24Vdc power supply output, 1 fuse-holder that accepts the fuse for +24Vdc power signal.

As the other boards, SCH0241A is connected with display board. Also, it is directly connected to the output of the internal AC/DC power supply (+24Vdc).

SCH0241AR0 Component layout



SCH0241AR0 COMPONENT LIST

Part Name/Number	Description	Qty.	Comps.
DZ 5V1 03109	03109 ZENER DIODE	1	DZ1
FUSE OMEGA C1034	FUS00008 PORTA FUSIBILE 5x20 D	1	F1
J BNC-90G-PCB 2034	02034 PCB CONNECTOR	2	J2-3
J DB9-90G 02797	02797 PCB CONNECTOR	3	J4-6
J FC-16P 02701-02700	02701+02700 PCB CONNECTOR POL	1	J1
J SCREWCONN2 02853	02853 PCB SCREW CONNECTOR	1	J7
J TESTP2.5mm 07912	07912 TEST POINT	4	J8-11
R 0R0-S 00001	00001 RES 1/4W 5% SMD 1206	7	R3-9
R 10K 0053	0053 RES 1/4W 5%	1	R1
R 1K0 0041	0041 RES 1/4W 5%	1	R2

Eletronika Code	Description	Qty
00221	75Ω 1/4W RESISTOR	1
00664	LM35DT THERMAL SENSOR	1
01041	1nF 50V CERAMIC CAPACITOR	2
01077A	1uF 100V POL. CAPACITOR	1
02228	N FEMALE CONNECTOR	1
02502	SMA SOCKET FOR RG58 CABLE	1
02695	DB9 CONNECTOR FOR IU008059 CABLE	3
02699	FEMALE 10WIRE CONNECTOR	9
02700	FEMALE 16WIRE CONNECTOR	1
02830	10A GREEN PLUG	1
02876	5 POLES 16A ILME AC SOCKET	1
02877	5 POLES 16A ILME SOCKET PANEL MOUNTING	1
02893	3 WAY MALE EXTRACTABLE TERMINAL BLOCK	4
02894	3 WAY FEMALE EXTRACTABLE TERMINAL BLOCK	4
05064	FERRITE	8
07524A	SWITCH	1
07527	25A CIRCUIT BREAKER	1
07541	10A FUSE-HOLDER PANEL MOUNTING	3
07605C	FAN	3
07605D	1.5uF 400V CAPACITOR	3
07605F	GRID FAN	6
07925	PVC PROTECTION	1
08503	RG 303 50W TEFLON CABLE	1.20
09419	PN419/A PRINTED CIRCUIT BOARD	1
C0205	MULTIPOLAR CABLE	3.00
CON0245	CON0245R2 MECHANICAL DETAIL	1
CON0249	CON0249R0 MECHANICAL DETAIL	1
CON0276	CON0276R3 MECHANICAL DETAIL	1
CON0277	CON0277R3 MECHANICAL DETAIL	1
CON0280	CON0280R2 MECHANICAL DETAIL	1
DET0314	DET0314R0 5-6U HANDLE KIT	2
DET0575	DET0575R1 MECHANICAL DETAIL	8
DET0772	DET0772R0 MECHANICAL DETAIL	2
DET0798	DET0798R0 MECHANICAL DETAIL	6
DET0996	DET0996R0 MECHANICAL DETAIL	1
DET1022	DET1022R0 MECHANICAL DETAIL	1
DET1054I	DET1054R1 MECHANICAL DETAIL	2
DET1185	DET1185R1 MECHANICAL DETAIL	2
E0012	SP-500-27 DE2 SWITCHING POWER SUPPLY	8
FUS1A	1A FUSE	1
FUS3A	3.15A FUSE	1
FUS5A	5A FUSE	1
MTF0070CR0	LDMOS UHF AMPLIFIER MODULE	1
PAN0074	PAN0074AR2 FRONT PANEL	1
PN1114A	PN1114AR1 PRINTED CIRCUIT BOARD	1

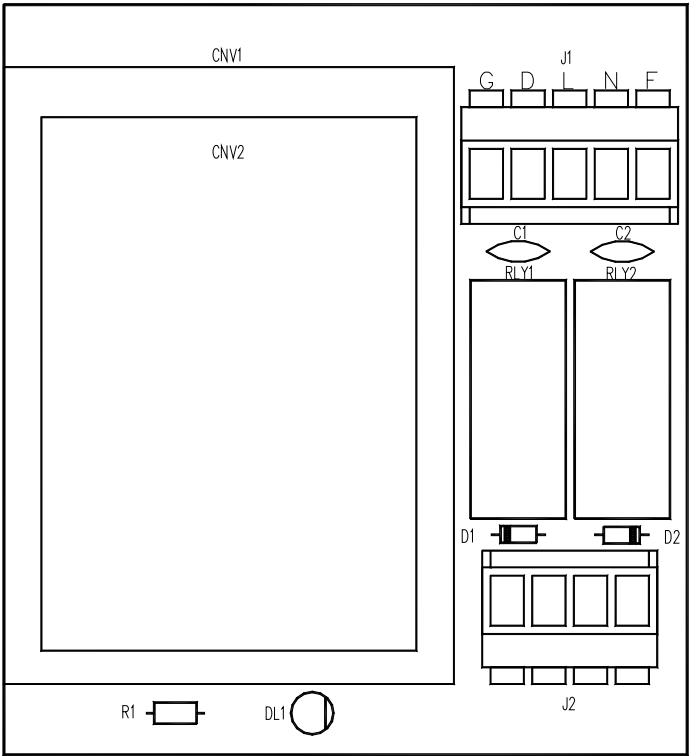
Elettronika Code	Description	Qty	Page 2/2
R0012	18mm DIAMETER WHEEL	8	
SCH0223AR1	CONTROL BOARD AND DISPLAY	1	
SCH0265AR0	MAINS DISTRIBUTION BOARD	1	
SCH0288AR1	POWER SUPPLY INTERFACE BOARD	1	
V0760	BLACK PLASTIC TAP	1	
V0962	TERMINAL BLOCK	3	
Z0021	MECHANICAL DETAIL	2	
Z0081	MECHANICAL DETAIL	1	
Z0673	COVER	1	

SCH0223ARI COMPONENT LIST

Part Name/Number	Description	Qty.	Comps.	Page 1/2
BATT BH001RB 3093 _90	03093 03090 BATTERY HOLDER	1	BATT1	
CC 100nF-S 01065C	01065C Y5V 1206 CAPACITOR	46	C2, C7-10, C12, C16, C19, C21-27, C29, C31, C33, C37-40, C44-46, C49, C58-61, C63, C65, C66-69, C74, C76, C78-81, C83-84, C87, C90	
CC 15pF-S 01088	01088 SMD 1206 CAPACITOR	4	C13-15, C17	
CC 1nF-S 01096	01096 SMD 1206 CAPACITOR	7	C3-6, C50-51, C53	
CC 1uF100V-S 01760A	01760A 1206 50V CAPACITOR	11	C1, C18, C28, C36, C43, C54, C62, C73, C77, C88-89	
CC 47pF-S 01100	01100 SMD 1206 CAPACITOR	2	C42, C52	
CE 100uF25V-S 01793B	01793B ELET. SMD CAPACITOR	2	C11, C47	
CE 10uF16V-S	01626B TANT. ELET. SMD CAP.	2	C56-57	
CE 10uF35V-S 01778A	01778A ELET. SMD CAPACITOR	2	C20, C32	
CE 1uF35V-S 01613A	01613A TANT. ELET. SMD CAP.	5	C70-72, C75, C82	
CE 220uF50V LOW ESR	01799A ELET. SMD CAPACITOR	4	C55, C64, C85-86	
CE 22uF16V-S	01780A ELET. SMD CAPACITOR	4	C34-35, C41, C48	
CE 47uF35V-S 01790A	01790A ELET. SMD CAPACITOR	1	C30	
D 1N4148-S 03002	03002 SMD DIODE	7	D1-2, D5-9	
D 50WQ06FN	03019A SMD DIODE SCHOT. 5.5A	1	D23	
D BAS85-S	03024 SMD DIODE SCHOTTKY	2	D14-15	
D BAT54S	03199 SMD SCHOTTKY DIODE	19	D3-4, D10-13, D16-22, D24-29	
DIS MGLS12864T	03083A 128x64 DOT	1	DIS1	
DL KA-3528SGC 03057	03057 GREEN SMD LED DIODE	7	DL2, DL5-10	
DL LEDG5 03060	03060 GREEN LED DIODE 5mm	1	DL1	
DL LEDR5 03061	03061 RED LED DIODE 5mm	1	DL4	
DL LEDY5 03054B	03054B YELLOW LED DIODE 5mm	1	DL3	
IC 24LC64 04815	04815 SMD INTEG CIRCUIT	1	IC17	
IC 78M12 4307B	04307B SMD VOLTAGE REGUL.	1	IC8	
IC CD4051BM-S	04615 SMD INTEG CIRCUIT	3	IC7, IC14, IC23	
IC LM2596S-5.0	04580 SMD INTEG CIRCUIT	1	IC19	
IC LM358M-S 04660	04660 SMD INTEG CIRCUIT	1	IC3	
IC LM393-S 04639	04639 SMD INTEG CIRCUIT	1	IC2	
IC LMC6482-S	04632 SMD INTEG CIRCUIT	1	IC24	
IC LMC6484-S	04634 SMD INTEG CIRCUIT	7	IC1, IC4, IC6, IC9, IC13, IC18, IC25	
IC M41T56 04611	04611 SMD INTEG CIRCUIT	1	IC20	
IC MAX232-S 04804B	04804B SMD INTEG CIRCUIT	1	IC21	
IC MAX3080-S 04770	04770 SMD INTEG CIRCUIT	1	IC22	
IC MAX942CSA-S	04572 SMD INTEG CIRCUIT	1	IC10	
IC MB90F543PF	04596 SMD INTEG CIRCUIT	1	IC11	
IC MPC100-450DI-TO	04608 INTEG CIRCUIT	1	IC16	
IC TC7662BCOA 04758A	04758A SMD INTEG CIRCUIT	1	IC5	
IC ULN2003A 4870	04870 SMD INTEG CIRCUIT	2	IC12, IC15	
IND 2u2H-S 05020A	05020A INDUCTOR	1	L1	
IND MS85 10uH-S	04948 2.7A INDUCTOR	1	L2	

Part Name/Number	Description	Qty.	Comps.	Page 2/2
IND T100uH-1.8A 4958	04958 TOROIDAL-STORAGE	1	L3	
J CON HD515V/05-4PVE	02881+02882 PANDUIT PCB CON.	1	J14	
J DB9_F-0° LT	02794 PCB CONNECTOR DB9	1	J13	
JFC-10P 02697-02699	02697+02699 PCB CONNECTOR	8	J1-2, J6, J8-12	
JFC-16P 02701-02700	02701+02700 PCB CONNECTOR	1	J3	
J PAN2 02739	02739 PCB CONNECTOR	2	J5, J7	
J PAN2 02739-40-41	02739+02740+02741 PCB CONNEC.	1	J15	
J PAN8 02716	02716 PCB CONNECTOR	1	J4	
JU JUMP2 02739-02742	02739+02742 PAN2 MALE	1	JP3	
JU JUMP3 02707-02742	02707+02742 PAN3 MALE	2	JP1-2	
R 100K-1%-S 00065B	00065B RES 1/4W 1% SMD 1206	16	R33-34, R62-63, R78-79, R94-101, R106-107	
R 100R-1%-S 00029D	00029D RES 1/4W 1% SMD 1206	12	R24, R47, R58, R71, R75, R81, R83, R89, R103-105, R113	
R 10K-1%-S 00053B	00053B RES 1/4W 1% SMD 1206	24	R7, R10, R12, R14-16, R22, R25, R27, R30, R36, R38, R51, R64, R84-85, R87-88, R92, R93, R108-111	
R 10R-S 00017A	00017A RES 1/4W 5% SMD 1206	1	R68	
R 1206 N. M.	N. M. RES 1/4W 5% SMD 1206	1	R91	
R 1K0-1%-S 00041B	00041B RES 1/4W 1% SMD 1206	8	R17, R54, R59-60, R76-77, R86, R90	
R 22K-1%-S 00057B	00057B RES 1/4W 1% SMD 1206	11	R9, R21, R26, R28-29, R37, R45, R48-50, R69	
R 2K2-1%-S 00045B	00045B RES 1/4W 1% SMD 1206	3	R52, R55, R61	
R 330K-1%-S 00071D	00071D RES 1/4W 1% SMD 1206	1	R66	
R 330K-S 00071A	00071A RES 1/4W 5% SMD 1206	1	R65	
R 470K-S 00073A	00073A RES 1/4W 5% SMD 1206	11	R8, R23, R40, R42, R46, R57, R70, R74, R80, R102, R112	
R 470R-1%-S 00037B	00037B RES 1/4W 1% SMD 1206	6	R11, R13, R39, R53, R56, R67	
R 4K7-1%-S 00049B	00049B RES 1/4W 1% SMD 1206	3	R18, R31, R43	
R 68K-1%-S 00063B	00063B RES 1/4W 1% SMD 1206	4	R19-20, R32, R44	
R 820R-S 00040A	00040A RES 1/4W 5% SMD 1206	7	R35, R72-73, R82, R114-116	
R 8K2-1%-S 00052B	00052B RES 1/4W 1% SMD 1206	1	R41	
RL 30.22.24 07569	07569 RELE	3	RLY1-3	
RV 1M-3266X	00815 VARIABLE RESISTOR	6	R1-6	
SW SWITCH-8DIP	07530A PCB DIP SWITCH SMD	1	SW1	
T 06086 N 7630 7632	7630 7632 KTI06086 2 WAY KEY	4	T1-4	
TR BC848 03457	03457 NPN SMD TRANSISTOR	2	TR1-2	
TR BC856 03455	03455 PNP SMD TRANSISTOR	2	TR3-4	
XTAL 32.768k-S 05146	05146 QUARTZ	1	XTAL2	
XTAL 4MHz-S 05101A	05101A QUARTZ	1	XTAL1	

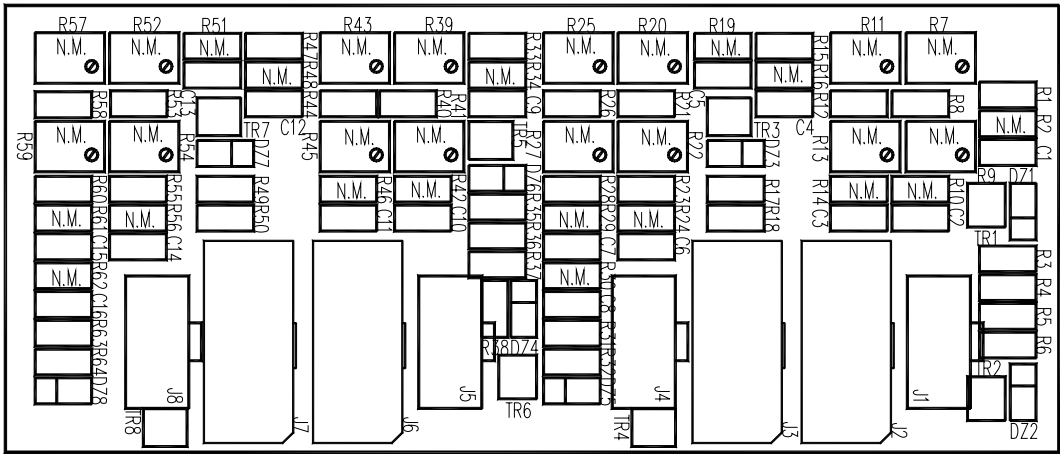
SCH0265AR0 Component layout



SCH0265AR0 COMPONENT LIST

Part Name/Number	Description	Qty.	Comps.
CC 2nF2 2kV 01045A	01045A CERAMIC CAPACITOR	2	C1-2
CNV AC-DC ATC-12S	E0037 AC DC CONVERTER	1	CNV1
D 1N4148 03001	03001 DIODE	2	D1-2
DL LEDG3 03053	03053 GREEN LED DIODE 3mm	1	DL1
J CONHD515V/05-4PVE	02881+02882 PANDUIT PCB CON.	1	J2
J CONHD515V/05-5PVE	02895+02896 PANDUIT PCB CON.	1	J1
R 2K7 0046	0046 RES 1/4W 5%	1	R1
RL 40.31.24	7567C RELE	2	RLY1-2

SCH0288AR1 Component layout



SCH0288AR1 COMPONENT LIST

Part Name/Number	Description	Qty.	Comps.
CC 1nF-S 01096	01096 SMD 1206 CAPACITOR	16	C1-16
DZ 5V1-S 03128	03128 SMD ZENER DIODE	8	DZ1-8
JFC-10P 02697-02699	02697+02699 PCB CONNECTOR	4	J2-3, J6-7
JFC-10P PCB FEMALE	02706 PCB FEM. CONNECTOR	4	J1, J4-5, J8
R 0R0-S 00001	00001 RES 1/4W 5% SMD 1206	16	R1, R8, R12, R15, R21, R23, R26, R28, R33, R40, R44, R47, R53, R55, R58, R60
R 100K-1%-S 00065B	00065B RES 1/4W 1% SMD 1206	8	R3, R6, R17, R32, R35, R38, R49, R64
R 1206 N. M.	N. M. RES 1/4W 5% SMD 1206	16	R2, R10, R14, R16, R19, R24, R29-30, R34, R42, R46, R48, R51, R56, R61-62
R 8K2-1%-S 00052B	00052B RES 1/4W 1% SMD 1206	8	R4-5, R18, R31, R36-37, R50, R63
RV 3266W N. M.	N. M. VARIABLE RESISTOR	16	R7, R9, R11, R13, R20, R22, R25, R27, R39, R41, R43, R45, R52, R54, R57, R59
TR BC847 03456	03456 NPN SMD TRANSISTOR	8	TR1-8

DESCRIPTION

The MTF0070C is the RF Amplifier module of the AUTV/1500LD based on LDMOS technology. The RF Amplifier module is composed by eight broadband amplifier boards (SCH0192A) coupled together by means of Wilkinson combiners, driven by means another amplifier board. The module also includes the cooling heatsink and a small Interface board (SCH0221A) which forwards power supply to the two stages, groups the power and temperature into a single connector, more easily managed inside the transmitter. The driver stage of the amplifier module is provided with a Gate control to inhibit the output power.

TECHNICAL CHARACTERISTICS

Frequency Range	470 - 860MHz
Output Power	1300W
Gain	23dB (± 2)
Driver Stage Quiescent Current (cold)	4A (2A for each transistor to 32V)
Amplifier Stage Quiescent Current (cold)	2A (1A for each transistor to 32V)
RF Input Impedance	50 Ω
RF Output Connector / Impedance	7/16" Female / 50 Ω

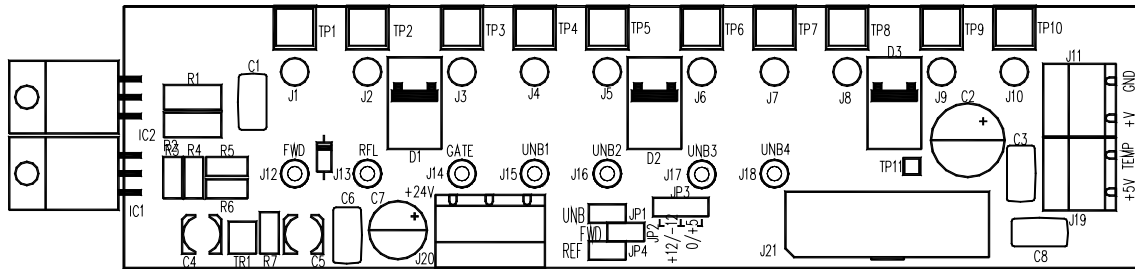
MTF0070CR0 COMPONENT LIST

Elettronika Code	Description	Qty
00001	0 Ω 1206 SMD RESISTOR	2
00221B	75 Ω 1206 SMD RESISTOR	2
01041D	1nF 1206 SMD CERAMIC CAPACITOR	2
01400	BYPASSING CAPACITOR	13
01408	BYPASSING CAPACITOR	2
02402	7/16" FEMALE CONNECTOR	1
02512	SMA SOCKET PANEL MOUNTING	1
03017	MBR3045PT DIODE	4
03207	HSMS2802 DIODE	2
08502	RG 316 50 Ω CABLE	3.00
08527	HF-85 ENDIFORM CABLE	0.20
PN0998A	PN0998AR1 BIAS ADDER PCB	2
PN1091A	PN1091AR3 UHF DIRECTIONAL COUPLER PCB	1
SCH0192AR0	200W LDMOS UHF AMPLIFIER MODULE	9
SCH0221AR0	AMPLIFIER INTERFACE BOARD	1
SCH0248AR0	8 INPUTS WILKINSON PCB	1
SCH0249AR0	4 WAY WILKINSON PCB	1
SCH0250AR0	4 WAY WILKINSON PCB	1
SCH0251AR0	2 WAY WILKINSON PCB	1
SCH0252AR0	UHF INPUT COUPLER	1

SCH0192AR0 COMPONENT LIST

Elettronika Code	Description	Manufacturer, Mfr. Code	Qty	Comps.
00045A	2K2 1206 5% 1/4W RESISTOR	PHICOMP, RC1206JR072K2L	4	R1-4
00042A	1K2 1206 1% 1/4W RESISTOR	PHICOMP, RC1206FR071K2L	4	R5-6, R9-10
00800	50K 3.8" SQUARE TRIMMER	BOURNS, 3296W-1-503	2	R7-8
00056B	18K 1206 5% 1/4W RESISTOR	PHICOMP, RC1206JR0718KL	2	R11-12
00075A	680K 1206 5% 1/4W RESISTOR	PHICOMP, RC1206JR07680KL	1	R13
00001	0R 1206 RESISTOR	PHICOMP, RC1206JR070RL	1	R14
00432	50 OHM 60W TERMINATION	DICONEX, 17-0185	2	R25-26
00049A	4K7 1206 1% 1/4W RESISTOR	PHICOMP, RC1206FR074K7L	2	R17-18
00012A	3R9 1206 5% 1/4W RESISTOR	PHICOMP, RC1206JR073R9L	4	R19-22
00396	1K0 2512 5% 1W RESISTOR	TYCO, 35201K0JT	2	R23-24
01807B	470uF 50V ELECTROLITIC CAPACITOR	ADIMPEX, CL514750	3	C1-3
01795	100uF PTH 50V ELET. VERT. CAPACIT.	ADIMPEX, CL211050	2	C4-5
01145	1nF 50V PORCELAIN CAPACITOR	ATC, ATC100B102JT50XT	6	C6-7, C25-28
01065H	100nF 2220 1kV CERAMIC CAPACITOR	SYFER, 2220J1K00104KXT	4	C8-9
01135	100pF 500V PORCELAIN CAPACITOR	ATC, ATC100B101KT500XT	8	C10-11
01065G	100nF 1210 250V CAPACITOR	SYFER, 1210J2500104KXT	9	C12-14, C21-24
01613A	1uF SMD 35V TANTALUM CAPACITOR	NIC COMPONENTS CORP., NTC-T105M35TRB	2	C15-16
01626A	10uF SMD 16V TANT. CAPACITOR	KEMET, KEMT491C106K016AT	2	C19-20
01123	20pF 500V PORCELAIN CAPACITOR	ATC, ATC100B200JT500XT	4	C29-32
01104	1.3pF 500V PORCELAIN CAPACITOR	ATC, ATC100B1R3DT500XT	2	C33-34
01143	470pF 200V PORCELAIN CAPACITOR	ATC, ATC100B471KW200X	4	C35-38
01108	4.7pF 500V PORCELAIN CAPACITOR	ATC, ATC100B4R7DT500XT	2	C57-58
01117	10pF 500V PORCELAIN CAPACITOR	ATC, ATC100B100JT500XT	2	C55-56
01104B	3.6pF 500V PORCELAIN CAPACITOR	ATC, ATC100B3R6DT500XT	2	C43-44
01119A	13pF 500V PORCELAIN CAPACITOR	ATC, ATC100B130KT500XT	2	C49-50
01113	8.2pF 500V PORCELAIN CAPACITOR	ATC, ATC100B8R2JT500XT	4	C51-54
01160	0.3pF 500V PORCELAIN CAPACITOR	ATC, ATC100B0R3CT500XT	1	C60
01485	VARIABLE CAPACITOR 1-5pF	JOHANSON, 9702-1	2	C41-42
04034	LDMOS TRANSISTOR BLF861	PHILIPS, BLF861/A	2	T1-2
00661	NTC THERMISTOR 100K	VISHAY, 238164063104	2	NTC1-2
04583	IC SPDT ANALOG SWITCH	MAXIM, DG419DY-E3	2	IC1-2
03135	DIODE 15V ZENER	FAIRCHILD, MMSZ5245B	2	DZ1-2
03137	DIODE 6.8V ZENER	DIOTEC, GSEZMM6.8/D2	2	DZ3-4
03056	LED RED SMD	KINGBRIGHT, KA3528EC	2	DL1-2
07684	SILVERED WIRE 1.2MM	ELETTRONIKA, 07684	0.25	L1-2
DET0643K	200W LDMOS PALLET	ELETTRONIKA, DET0643K	1	
01111	6.8pF 500V PORCELAIN CAPACITOR	ATC, ATC100B6R8KT500XT	4	C45-48
V0774	SPACER 3X10 F/F	ELEKTROZUBEHOR, DD10H305010	1	
08491	PRE-FOLDED CABLE	EZ FORM CABLE, EZ9025	2	B1-2
08492	PRE-FOLDED CABLE	EZ FORM CABLE, EZ3425 SILVER	2	B3-4
01109	5.6pF 500V PORCELAIN CAPACITOR	ATC, ATC100B5R6DT500XT	2	C39-40
01077A	1uF PTH 100V POLYESTER CAPACITOR	ARCOTRONICS, R82EC4100DQ70J2		C61-62

SCH0221AR0 Component layout



SCH0221AR0 COMPONENT LIST

Part Name/Number	Description	Qty.	Comps.
CC 100nFAVX 01065A	01065A CERAMIC CAPACITOR	4	C1, C3, C6, C8
CE 100uF100V	01795B ELET. CAPACITOR	1	C2
CE 100uF50V 01795	01795 ELET. CAPACITOR	1	C7
CE 10uF35V-S 01778A	01778A ELET. SMD CAPACITOR	2	C4-5
D 1N4007 03009	03009 DIODE	1	D4
D 6CWQ10FN	03026 2x3.5A SMD DIODE SCHOT.	3	D1-3
IC LM317HV	04340A INTEG CIRCUIT	2	IC1-2
J FC-16P 02701-02700	02701+02700 PCB CONNECTOR	1	J21
J SCREWCONN2 02853	02853 PCB SCREW CONNECTOR	2	J11, J19
J SCREWCONN3 02860	02860 PCB SCREW CONNECTOR	1	J20
J TESTP1.3mm 07913	07913 TEST POINT	17	J1-10, J12-18
JU JUMP2 02739-02742	02739+02742 PAN2 MALE	3	JP1-2, JP4
JU JUMP3 02707-02742	02707+02742 PAN3 MALE	1	JP3
R 0R33-1W-S	00380 RES 1W 5% SMD 2512	2	R1-2
R 100K-S 00065A	00065A RES 1/4W 5% SMD 1206	1	R7
R 220R-S 00033A	00033A RES 1/4W 5% SMD 1206	1	R4
R 22K-S 00057A	00057A RES 1/4W 5% SMD 1206	1	R5
R 270R-S 00034A	00034A RES 1/4W 5% SMD 1206	1	R3
R 4K7-S 00049A	00049A RES 1/4W 5% SMD 1206	1	R6
TR BC856 03455	03455 PNP SMD TRANSISTOR	1	TR1