

Component list**APG012C - Amplifier Control**

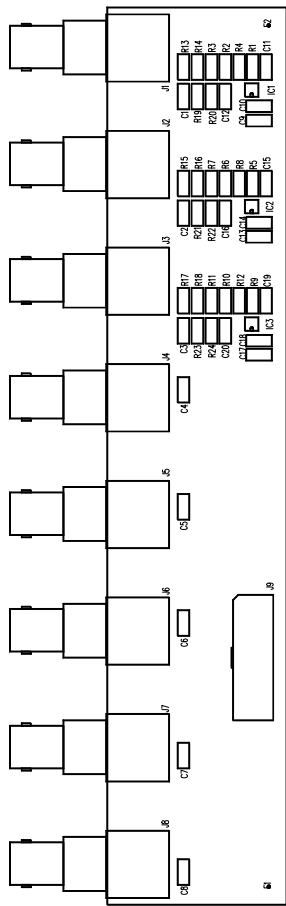
Part Name Code	Description	Qty
CON0145	CON0145R0 POST. CASS. CONTROLLO APG012B	1
05504	CON0134R0 PIANO PROF. 260 ARE. p. 02047 ZN	1
05525	LAT. 3U PROF. 260 TAV. 424/A p. 2033 ZN	2
PAN0066	PAN0066R0 PANNELLO CONTR. APG012B 3U	1
CON0153	CON0153AR0 BASE CASS. CONTR. x APG012 ZN	1
0552B	KIT MANIGLIE 3-4U cod. 235.012	2
02880	SPINA V.DE 10A + INT. + FUS. DA PANN. BZ15011	1
SCH0239AR0	SCHEDA DI CONTROLLO CON DISPLAY	1
SCH0110BR0	SCHEDA 3 IN. ANALOGICI MASTER APG012B	1
SCH0152AR0	SCHEDA COMMUTAZIONE 220VAC x APG012B	1
SCH0241AR0	SCHEDA IN/OUT DIGITAL SIGNAL FOR APG012C	1
E0031	ALIM. SWITCHING S-60-24	1
07926	PROTEZIONE IN GOMMA PVC PG 087	1
02843	SPINA SCHERM. 2 POLI cod. 525.2552	1
02695	CONNETTORE DB9F x CAVO IU008059	1
02856	CONNETTORE DB25F x CAVO 525-2812	1
07925	PROTEZIONE IN GOMMA PVC PG075	1
07524A	INTERR. NERI I3910	1
02018	GE 35145D/22 BN(UG909/cxRG174)	1
02035	PRESA BNC/F x RG316 cod. 60140	1
08500	CAVO RG174 50Ω	0,30
02700	CONNETTORE cod. 534-2303 FEM. 16 VIE	1
02790	CONNETTORE DB25M x CAVO SALDATO 525-2602	1
02871A	CALOTTE PER DB25 cod. 525-2622	1
C0814	NASTRO CONDUT. IN RAME DA 25mm 264/9275	0,50
V0761	TAPPI NERI O 12.7 PLASTICA DP-500	5

COMPONENT LIST SCH0239AR0

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	
JDB9_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	

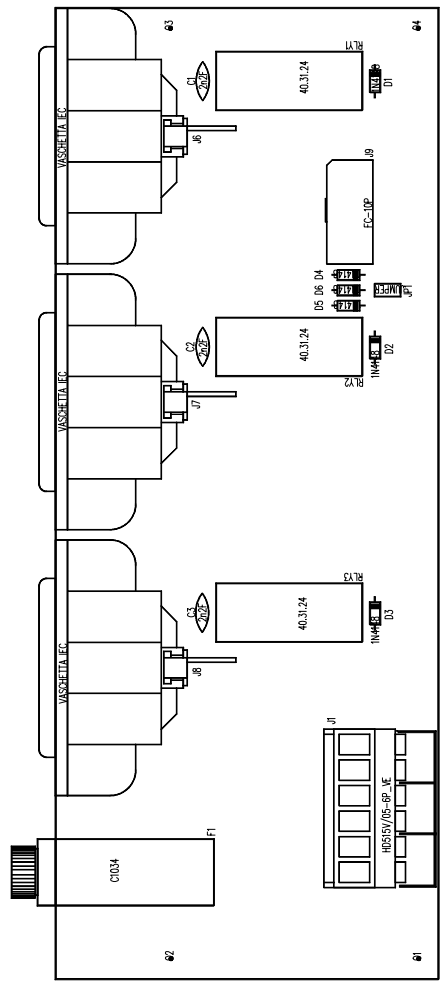
Component layout SCH0110BR0



COMPONENT LIST SCH0110BR0

Part Name/Number	Description	Qty.	Comps.
CC 1206 N.M.	N.M. SMD 1206 COND	17	C4-20
CC 1nF-S 01096	01096 SMD 1206 COND	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

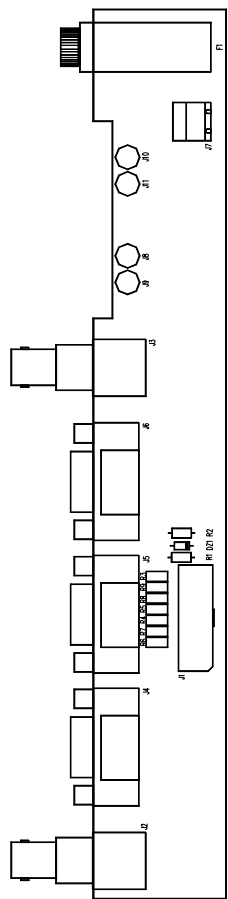
Component layout SCH0152AR0



COMPONENT LIST SCH0152AR0

Part Name/Number	Description	Qty.	Comps.
CC 2nF2.2kV 01045A	01045A CERAMIC COND	3	C1-3
D 1N4148 03001	03001 DIODE	6	D1-6
FUSE OMEGA C1034	FUS00008 PORTA FUSIBILE 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 MASCHIO PAN2	1	JP1
RL40.31.24	7567C RELE	3	RLY1-3

Component layout SCH0241AR0



COMPONENT LIST SCH0241AR0

Part Name/Number	Description	Qty.	Comps.
DZ 5V1 03109	03109 ZENER DIODE	1	DZ1
FUSE OMEGA C1034	FUS00008 PORTA FUSIBILE 5x20 D	1	F1
JBNC-90G-PCB 2034	02034 PCB CONNECTOR	2	J2-3
JDB9-90G 02797	02797 PCB CONNECTOR	3	J4-6
JFC-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

COMPONENT LIST S-60-24

SPECIFICATIONS	QUANTITY	POSITION
BOM FOR S-60-24 ON CASE	1	
CASE 901-D-R1 M	1	
CASE 901-T-R2 M	1	
HS YS004W-055-R4 71268W-055	1	HS3
MHS002-R1 25mm	1	HS3
MYLAR FILM 901-R2	1	
PR-7.5	1	
BOX 901 168x105x45mm	1	1
SCREW F 3x6 ISO NI	2	HS3, HS3
SCREW F 3x18 ISO NI	1	HS3
SCREW T 3x6 ISO NI	2	HS1
SCREW P 3x6 ISO NI	1	CASE
LABEL UL S-60N-24-R2	1	
LABEL IN/OUT UL BO17-R1 S-60N	1	
CARTON 901 0.97CUFT	1	30
BOM FOR S-60-24 ON PCB	1	
R/C 1/4W 5.1Ω 5% HP=10 T-52mm	1	R5
R/C 1/4W 22Ω 5% HP=10 T-52mm	1	R8
R/C 1/4W 100Ω 5% HP=10 T-52mm	1	R20
R/C 1/4W 390Ω 5% HP=10 T-52mm	1	R23
R/C 1/4W 470Ω 5% HP=10 T-52mm	1	R21
R/C 1/4W 680Ω 5% HP=10 T-52mm	1	R10
R/C 1/4W 820Ω 5% HP=10 T-52mm	1	R9
R/C 1/4W 1kΩ 5% HP=10 T-52mm	1	R13
R/C 1/4W 2kΩ 5% HP=10 T-52mm	1	R18
R/C 1/4W 2.2kΩ 5% HP=10 T-52mm	1	R22
R/C 1/4W 4.7kΩ 5% HP=10 T-52mm	1	R26
R/C 1/4W 5.1kΩ 5% HP=10 T-52mm	2	R12, R7
R/C 1/4W 7.5kΩ 5% HP=10 T-52mm	1	R11
R/C 1/4W 15kΩ 5% HP=10 T-52mm	1	R14
R/C 1/4W 20kΩ 5% HP=10 T-52mm	2	R17, R19
R/C 1/2W 47Ω 5% T-52mm	1	R27
R/C 1/2W 680kΩ 5% T-52mm	1	R1
R/MO 2W 680Ω 5% KINK	1	R28
R/MO 2W 47kΩ 5%	2	R29, R4
R/MO 3W 330Ω 5% MINI	1	R2
R/MO 3W 30kΩ 5% MINI	1	R3
R/NW 2W 0.39Ω 5%	1	R6
MVR 0.3W 1kΩ 10% HP=5x5	1	SCR1
NTC 4A 5Ω SCK054 KINK	1	RTH1
MOV 0.6W 470V TNR15G471K	1	ZNR1
JUMP 0.6 P=10	5	J1, J2, J3, J4, ZD3
JUMP 0.6 P=15	1	J5

SPECIFICATIONS	QUANTITY	POSITION
C/Y2 221/250VAC 20% P=7.5 AC	2	C28, C32
C/Y2 222/250VAC 20% P=7.5 AC	1	C6
C7Y2 472/250VAC 20% P=7.5 AC	2	C2, C3
C/X2 104/250VAC 20% P=15 KNB153X	1	C4
C/X2 474/250VAC 20% P=22 KNB153X	1	C1
C/M 473/400V 10% P=10	1	C7
C/M 104/63V 10% P=5	2	C18, C30
C/C 101/1KV 10% P=5 Y5P	1	C8
C/C 221/1KV 10% P=5 Y5P	1	C16
C/C 471/100V 10% P=5 Y5P	1	C15
C/C 471/1KV 10% P=5 Y5P	1	C20
C/ML 222/100V 5% P=3	1	C12
C/ML 472/100V 5% P=3	1	C10
C/ML 103/100V 5% P=3	2	C11, C13
C/ML 203/100V 5% P=5	1	C31
C/ML 223/100V 5% P=4.5	1	C14
C/C 333/1KV EPOXY 20% P=10 Z5V	1	C29
C/E 150u/400V 85°C 30x25 HP3	1	C5
C/E 47u/50V 105°C 6.3x11 KM	1	C9
C/E 330u/35V LL3K 10x16 YXG	3	C21, C24, C25
BD 4A/600V GLASS D3SB60	1	BD1
FRD 1A/400V FR104 T-52mm	2	D2, D8
SFRD BYQ28X-200 10A/200V TO220F	1	D4
SFRD EGP20J 2A/600V T-52mm	1	D1
ZD 1/2W 26.9V 2% 27-2 T-52mm	1	ZD2
LEDGREEN 204GD-A	1	LED1
FET 2SK2652 6A/900V TO3P	1	Q1
SHR 431 2.5V 2% MM1431AT	1	SHR1
PHOTO CNX82A PC111	1	U2
PHOTO-TRIAC MOC3022	1	U3
PWM TL3842P TI	1	U1
RB-COIL RB009A 6x25 10. 1.5uH	1	L2
LF TF096C1 EE-25 0.5 23mH	1	LF1
MT TF161-1-R3 EER-35	1	T1
FUSE F3 L 250 5x20 G- U GFE/GMA	1	FS1
FUSE CLIP 5x20	2	FS1
TB HB 951-05P/DT49-B01W-05P	1	TB1
WIRE 07#18 100mm 05x05	1	F-F
HS HS001-R2	1	HS1
MHS002-R1 25mm	1	HS1
PCB S-60N-R5 CEM-1 20Z SS M1	1	PCB
SCREW F 3x12 ISO NI	1	Q1
SCREW P 3x6 ISO ZN	2	HS1

Component list**MTF0070BR0 Amplifier module**

Part Name Code	Description	Qty
00001	0Ω 1206 SMD RESISTOR	2
01041D	1nF 1206 2% SMD CAPACITOR	2
00221B	75Ω 1206 1% SMD RESISTOR	2
03207	HSMS-2802*L31 DIODE	2
SCH0192AR0	200W UHF LDMOS AMPLIFIER MODULE	9
SCH0221AR0	AMPLIFIER INTERFACE	1
SCH0248AR0	8 WAY WILKINSON	1
SCH0249AR0	4 WAY WILKINSON Dx	1
SCH0250AR0	4 WAY WILKINSON Sx	1
SCH0251AR0	2 WAY WILKINSON	1
SCH0252AR0	1500W UHF INPUT COUPLER	1
PN1091A	C.S. PN1091AR3 OUTPUT DIRECTIONAL COUPLER	1
02402	7/16" FEMALE CONNECTOR cod. 0142	1
02512	J01151A0531 SMA SOCKET WITHOUT BAT.	1
01400	2499-003-X5U0-102M FEED-THROUGH CAPACITOR	14
01408	5000PF FEED-THROUGH CAPACITOR	2
DET0726	DET0726R2 SIDE x 1500W UHF AMP. MOD.	2
DET0727	DET0727R1 INTERNAL FRONT SIDE x AMP. MOD.	1
DET0728	DET0728R4 INTERNAL SIDE x AMP. MOD.	2
DET0729	DET0729R2 FRONT SIDE x AMP. MOD.	1
DET0730	DET0730R2 REAR SIDE x AMP. MOD.	1
DET0732	DET0732R1 CONNECTIONS SUPPORT BOARD	1
DET0734	DET0734R0 COVER x AMPLIFIER MODULE P. 2634	1
DET0736	DET0736R5 HEATSINK x AMPLIFIER MODULE	1
DET0807	DET0807R3 SCREEN DIR. COUPLER MODULE	1
DET0810	DET0810R0 PART. x DIRECTIONAL COUPLER	1
DET0811	DET0811R1 COVER x DIRECTIONAL COUPLER	1
DET0812	DET0812R1 TEFLON RING x DIRECTIONAL COUPLER	1
DET0819	DET0819R0 SPESS. x INPUT DIR. COUPLER	1
DET0828	DET0828R0 COVER x AMPLIFIER MODULE P. 2644	1
DET0839	DET0839R2 DIRECTIONAL COUPLER	1
08502	RG316 50Ω CABLE	3,00
08527	HF-85 ENDIFORM CABLE	0,20

Component list**APT117B - AUTV/1500LD**

Part Name Code	Description	Qty
DET0516	DET0516R0 SUPPORTO PRESE ZN	1
E0026	ALIM. SWITCHING 1kW 32VDC mod. PBIT2129	3
V0958	ACCESSORIO GUIDA DIN ELECO E205	2
V0962	MORSETTIERA/GIUNZIONE ELECO E806	1
Z0081B	TAV... SUPPORTO INT. MAG. QUADRIPOL.	2
Z0673	TAV. 1199 CHIUS. CONT. PROF. 775 ZN	2
MTF0070BR0	MOD. AMPLIFICATORE 1500W LDMOS UHF	1
02830	PRESA VDE 10A cod. PX675 A63	1
02876	PRESA VOLANTE ILME 16A PENTAPOLARE 3mt	1
02877	SPINA A PANNELLO ILME 16A PENTAPOLARE	1
07524A	INTERR. NERI I3910	1
07515	INTER. AUTOM. 4*16A 4.5KA 23902	1
07541	PORTAFUS. 10A PANN. cod. P1820	3
07925	PROTEZIONE IN GOMMA OVC PG 075	1
08500	CAVO RG174 50 Ohm	1,40
FUS1A	FUSIBILI 1A 5x20 RITARDATI ST520210	1
FUS5A	FUSIBILI 5A 5x20 RITARDATI ST520250	1
PAN0074	PAN0074AR0 PANN. 6U AMPLIFICATORE LDMOS	1
05553B	KIT MANIGLIE 5-6U cod. 235.013	2
Z0021	TAV. 635/A TOND. OTT. x INT. MAGNET.	2
07605B	VENTOLA D2E097-BI56-48	2
07605A	COND. 2uF	2
02228	GE 15145 D/60 NF A VITONE	1
02699	CONNETTORE cod. 534-2301 FEMM. 10 VIE	9
02695	CONNETTORE DB9F x CAVO 525-2810	3
00664	SENSORE TERMICO LM 35DT	1
SCH0223AR1	SCHEDA CONTROLLO AMPLIFICATORI PBOX2003	1
SCH0215AR0	SCHEDA DISTRIBUZIONE RETE	1
CON0178	CON0178R2 POSTERIORE 1500W LDMOS UHF	1
CON0179	CON0179R1 LATERALE 1500W LDMOS UHF	2
FUS3A	FUSIB. 3.15A 5x20 RITAR. ST520231	1
02502	J01150A0041 SMA x RG58/c	1
07605F	GRIGLIA 09485-2-4039	4
08503	CABLE RG303 50 Ohm	1,20
DET0771	DET0771R0 CANALINA COPERTURA CAVI	1
DET0772	DET0772R0 BARRETTA FISSAGGIO VENTOLE	1

COMPONENT LIST SCH0192AR0

REF.	DESCRIPTION	ELETTRONIKACODE	Page 1/3
R1	2200Ω 1/4W 1206 SMD RESISTOR	00045A	
R2	2200Ω 1/4W 1206 SMD RESISTOR	00045A	
R3	2200Ω 1/4W 1206 SMD RESISTOR	00045A	
R4	2200Ω 1/4W 1206 SMD RESISTOR	00045A	
R5	1200Ω 1/4W 1206 SMD RESISTOR	00042A	
R6	1200Ω 1/4W 1206 SMD RESISTOR	00042A	
R7	50kΩ MULTITURNS PTH TRIMMER	00800	
R8	50kΩ MULTITURNS PTH TRIMMER	00800	
R9	1200Ω 1/4W 1206 SMD RESISTOR	00042A	
R10	1200Ω 1/4W 1206 SMD RESISTOR	00042A	
R11	18kΩ 1/4W 1206 SMD RESISTOR	00056B	
R12	18kΩ 1/4W 1206 SMD RESISTOR	00056B	
R13	680KΩ 1/4W 1206 SMD RESISTOR	00075A	
R14	0Ω 1/4W 1206 SMD RESISTOR	00001	
R15	50Ω 30W 1512EBX SMD RESISTOR	00416A	
R16	50Ω 60W	00432	
R17	4.7kΩ 1/4W 1206 SMD RESISTOR	00049A	
R18	4.7kΩ 1/4W 1206 SMD RESISTOR	00049A	
R19	3.9Ω 1/4W 1206 SMD RESISTOR	00012A	
R20	3.9Ω 1/4W 1206 SMD RESISTOR	00012A	
R21	3.9Ω 1/4W 1206 SMD RESISTOR	00012A	
R22	3.9Ω 1/4W 1206 SMD RESISTOR	00012A	
R23	1000Ω 1W 2512 SMD RESISTOR	00396	
R24	1000Ω 1W 2512 SMD RESISTOR	00396	
*R25	= R15 (da montare se si inverte l'ingresso)		
*R26	= R26 (da montare se si inverte l'uscita)		
C1	470uF 50V PTH ELECTROLYTIC CAPACITOR	01807B	
C2	470uF 50V PTH ELECTROLYTIC CAPACITOR	01807B	
C3	470uF 50V PTH ELECTROLYTIC CAPACITOR	01807B	
C4	100uF 50V PTH ELECTROLYTIC CAPACITOR	01795	
C5	100uF 50V PTH ELECTROLYTIC CAPACITOR	01795	
C6	1nF ATC 100B CAPACITOR OR EQUIVALENT	01145	
C7	1nF ATC 100B CAPACITOR OR EQUIVALENT	01145	
C8 x 2	2 x 100nF ATC CAPACITOR OR EQUIVALENT	01065H	
C9 x 2	2 x 100nF ATC CAPACITOR OR EQUIVALENT	01065H	
C10 x 4	4 x 100pF ATC 100B CAPACITOR OR EQUIVALENT	01135	
C11 x 4	4 x 100pF ATC 100B CAPACITOR OR EQUIVALENT	01135	
C12	100nF 1210 SMD CAPACITOR	1065G	
C13	100nF 1210 SMD CAPACITOR	1065G	
C14	100nF 1210 SMD CAPACITOR	1065G	
C15	1uF 35V SMD TANTALIUM CAPACITOR	01613A	
C16	1uF 35V SMD TANTALIUM CAPACITOR	01613A	
C17	100nF 1210 SMD CAPACITOR	1065G	

REF.	DESCRIPTION	ELETTRONIKA CODE	Page 2/3
C18	100nF 1210 SMD CAPACITOR	1065G	
C19	10uF 16V SMD TANTALIUM CAPACITOR	01626A	
C20	10uF 16V SMD TANTALIUM CAPACITOR	01626A	
C21	100nF 1210 SMD CAPACITOR	1065G	
C22	100nF 1210 SMD CAPACITOR	1065G	
C23	100nF 1210 SMD CAPACITOR	1065G	
C24	100nF 1210 SMD CAPACITOR	1065G	
C25	1nF ATC 100B CAPACITOR OR EQUIVALENT	01145	
C26	1nF ATC 100B CAPACITOR OR EQUIVALENT	01145	
C27	1nF ATC 100B CAPACITOR OR EQUIVALENT	01145	
C28	1nF ATC 100B CAPACITOR OR EQUIVALENT	01145	
C29	20pF ATC 100B CAPACITOR OR EQUIVALENT	01123	
C30	20pF ATC 100B CAPACITOR OR EQUIVALENT	01123	
C31	20pF ATC 100B CAPACITOR OR EQUIVALENT	01123	
C32	20pF ATC 100B CAPACITOR OR EQUIVALENT	01123	
C33	1.3pF ATC 100B CAPACITOR OR EQUIVALENT	01104	
C34	1.3pF ATC 100B CAPACITOR OR EQUIVALENT	01104	
C35	470pF ATC 100B CAPACITOR OR EQUIVALENT	01143	
C36	470pF ATC 100B CAPACITOR OR EQUIVALENT	01143	
C37	470pF ATC 100B CAPACITOR OR EQUIVALENT	01143	
C38	470pF ATC 100B CAPACITOR OR EQUIVALENT	01143	
C39	4.7pF ATC 100B CAPACITOR OR EQUIVALENT	01108	
C40	4.7pF ATC 100B CAPACITOR OR EQUIVALENT	01108	
C41 x 2	2 x 1÷5pF JOHANSON SMD TRIMMER	1485	
C42 x 2	2 x 1÷5pF JOHANSON SMD TRIMMER	1485	
C43	3.6pF ATC 100B CAPACITOR OR EQUIVALENT	01104B	
C44	3.6pF ATC 100B CAPACITOR OR EQUIVALENT	01104B	
C45	6.8pF ATC 100B CAPACITOR OR EQUIVALENT	01111	
C46	6.8pF ATC 100B CAPACITOR OR EQUIVALENT	01111	
C47	6.8pF ATC 100B CAPACITOR OR EQUIVALENT	01111	
C48	6.8pF ATC 100B CAPACITOR OR EQUIVALENT	01111	
C49	13pF ATC 100B CAPACITOR OR EQUIVALENT	01119A	
C50	13pF ATC 100B CAPACITOR OR EQUIVALENT	01119A	
C51	8.2pF ATC 100B CAPACITOR OR EQUIVALENT	01113	
C52	8.2pF ATC 100B CAPACITOR OR EQUIVALENT	01113	
C53	8.2pF ATC 100B CAPACITOR OR EQUIVALENT	01113	
C54	8.2pF ATC 100B CAPACITOR OR EQUIVALENT	01113	
C55	10pF ATC 100B CAPACITOR OR EQUIVALENT	01117	
C56	10pF ATC 100B CAPACITOR OR EQUIVALENT	01117	
C57	4.7pF ATC 100B CAPACITOR OR EQUIVALENT	01108	
C58	4.7pF ATC 100B CAPACITOR OR EQUIVALENT	01108	
C59	0.3pF ATC 100B CAPACITOR OR EQUIVALENT	01160	
T1	BLF861A RF LDMOS POWER TRANSISTOR	04034	
T2	BLF861A RF LDMOS POWER TRANSISTOR	04034	
B1	COAX 2:1 BALUN	08491	

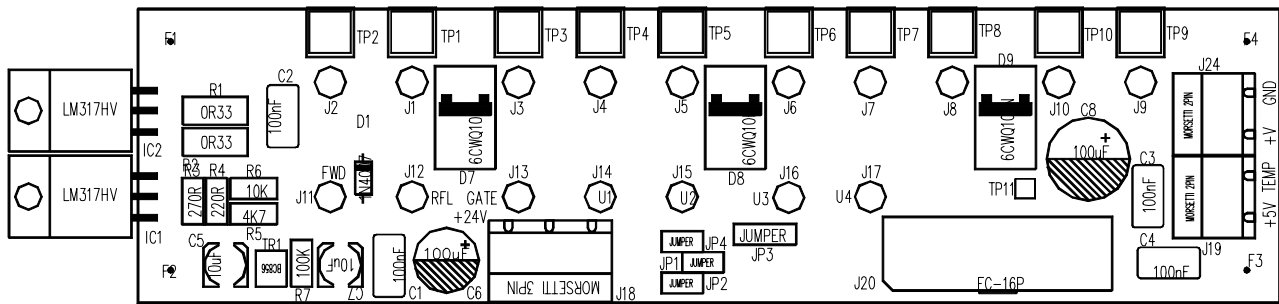
REF.	DESCRIPTION	ELETTRONIKA CODE	Page 3/3
B2	COAX 2:1 BALUN	08491	
B3	COAX 4:1 BALUN	08492	
B4	COAX 4:1 BALUN	08492	
L1	4 TURNS SILV. COP. WIRE 1.2mm WOUND ON OD 5mm	07684	
L2	4 TURNS SILV. COP. WIRE 1.2mm WOUND ON OD 5mm	07684	
L3	½ TURN COIL		
L4	½ TURN COIL		
H1	HYBRID COUPLER 3dB 90° ANAREN	05368	
H2	HYBRID COUPLER 3dB 90° SAGE	05369	
NTC1	NTC 100KΩ PTH	00661	
NTC2	NTC 100KΩ PTH	00661	
IC1	DG419DY	04583	
IC2	DG419DY	04583	
DZ1	15V SMD ZENER DIODE	03135	
DZ2	15V SMD ZENER DIODE	03135	
DZ3	6.8V SMD ZENER DIODE	03137	
DZ4	6.8V SMD ZENER DIODE	03137	
DL1	SMD LED DIODE - RED -	03056	
DL2	SMD LED DIODE - RED -	03056	
PN964AR3	PCB	0643K	
	Torretta 3x10 f/f	V0774	
	Imballo velapack 200x125x50	09983	

COMPONENT LIST SCH0223AR1

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 COND	46	C2, C7-10, C12, C16, C19, C21-27, C29, C31, C33, C37-40, C44-46, C49, C58-61, C63, C65-69, C74, C76, C78-81, C83-84, C87, C90	
CC 15pF-S 01088	01088 SMD 1206 COND	4	C13-15, C17	
CC 1nF-S 01096	01096 SMD 1206 COND	7	C3-6, C50-51, C53	
CC 1uF100V-S 01760A	01760A Y5V 1206 COND	13	C1, C18, C28, C36, C43, C54, C56-57, C62, C73, C77, C88-89	
CC 47pF-S 01100	01100 SMD 1206 COND	2	C42, C52	
CE 100uF25V-S 01793B	01793B ELETTR SMD COND	2	C11, C47	
CE 10uF35V-S 01778A	01778A ELETTR SMD COND	2	C20, C32	
CE 1uF35V-S 01613A	01613A TANTALIUM ELETTR SMD CO	5	C70-72, C75, C82	
CE 220uF50V LOW ESR	1799A ELETTR SMD COND LOW ESR	4	C55, C64, C85-86	
CE 22uF16V-S	01780A ELETTR SMD COND	4	C34-35, C41, C48	
CE 47uF35V-S 01790A	01790A ELETTR SMD COND	1	C30	
D 1N4148-S 03002	03002 SMD DIODE	7	D1-2, D5-9	
D 50WQ06FN	03019A SMD DIODE SCHOTTKY 5,5A	1	D23	
D BAS85-S	03024 SMD DIODE SCHOTTKY	2	D14-15	
D BAT54S	03199 SMD SCHOTTKY DIODE A-K T	19	D3-4, D10-13, D16-22, D24-29	
DIS MGLS12864T	03083A 128x64 DOT (BLUE-LED WH	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 REGULATOR	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	

Part Name/Number	Description	Qty.	Comps.	Page 2/2
IND MS85 10uH-S	04948 INDUCTOR 2,7 A	1	L2	
IND T100uH-1.8A 4958	04958 TOROIDAL-STORAGE CHOKES	1	L3	
J CON HD515V/05-4PVE	02881 + 02882 PANDUIT PCB CONN	1	J14	
J DB9_F-0° LT	02794 PCB CONNECTOR DB9 LONG T	1	J13	
JFC-10P 02697-02699	02697+02699 PCB CONNECTOR POL	8	J1-2, J6, J8-12	
JFC-16P 02701-02700	02701+02700 PCB CONNECTOR POL	1	J3	
J PAN2 02739-40-41	02739+02740+02741 PCB CONNECTO	3	J5, J7, J15	
J PAN8 02716	02716 PCB CONNECTOR	1	J4	
JU JUMP2 02739-02742	02739+02742 MASCHIO PAN2	1	JP3	
JU JUMP3 02707-02742	02707+02742 MASCHIO PAN3	2	JP1-2	
R 100K-1%-S 00065B	00065B RES 1/4W 1% SMD 1206	10	R65-66, R94-101	
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	32	R7, R10, R12, R14-16, R22, R25, R27, R30, R33-34, R36, R38, R51, R62-64, R78-79, R84-85, R87-88, R92-93, R106-111	
R 10R-S 00017A	00017A RES 1/4W 5% SMD 1206	1	R68	
R 1206 NOT MOUNTED	NOT MOUNTED RES 1/4W 5% SMD 12	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 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 100K-3266X	00814 VARIABLE RESISTOR	4	R1-4	
RV 10K-3266X 00807	00807 VARIABLE RESISTOR	2	R5-6	
SW SWITCH-8DIP	07530A PCB DIP SWITCH SMD	1	SW1	
T 06086 N 7630 7632	7630 7632 KTI06086 PULSANTE 2	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	

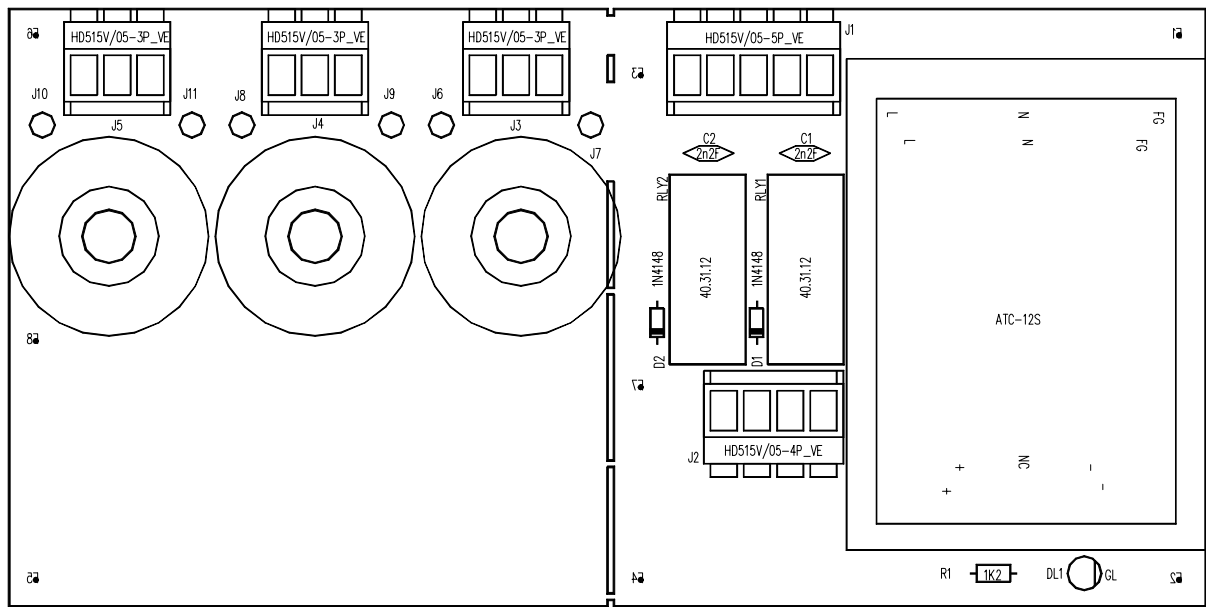
Component layout SCH0221AR0



COMPONENT LIST SCH0221AR0

Part Name/Number	Description	Qty.	Comps.
CC 100nFAVX 01065A	01065A CERAMIC COND	4	C1-4
CE 100uF100V	01795B ELETT. COND.	1	C8
CE 100uF50V 01795	01795 ELETT. COND.	1	C6
CE 10uF35V-S 01778A	01778A ELETTR SMD COND	2	C5, C7
D 1N4007 03009	03009 DIODE	1	D1
D 6CWQ10FN	03026 SMD DIODE SCHOTTKY 3,5A	3	D7-9
IC LM317HV	04340A INTEG CIRCUIT	2	IC1-2
J FC-16P 02701-02700	02701+02700 PCB CONNECTOR POL	1	J20
J SCREWCONN2 02853	02853 PCB SCREW CONNECTOR	2	J19, J24
J SCREWCONN3 02860	02860 PCB SCREW CONNECTOR	1	J18
J TESTP1.3mm 07913	07913 TEST POINT	17	J1-17
JU JUMP2 02739-02742	02739+02742 MASCHIO PAN2	3	JP1-2, JP4
JU JUMP3 02707-02742	02707+02742 MASCHIO PAN3	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 10K-S 00053A	00053A RES 1/4W 5% SMD 1206	1	R6
R 220R-S 00033A	00033A RES 1/4W 5% SMD 1206	1	R4
R 270R-S 00034A	00034A RES 1/4W5% SMD 1206	1	R3
R 4K7-S 00049A	00049A RES 1/4W 5% SMD 1206	1	R5
TR BC856 03455	03455 PNP SMD TRANSISTOR	1	TR1

Component layout SCH0215AR0



COMPONENT LIST SCH0215AR0

Part Name/Number	Description	Qty.	Comps.
CC 2nF2 2kV 01045A	01045A CERAMIC COND	2	C1-2
CNV AC-DC ATC-12S	AC DC CONVERTER	1	CNV1
D 1N4148 03001	03001 DIODE	2	D1-2
DL LEDG3 03053	03053 GREEN LED DIODE 3mm	1	DL1
J CON HD515V/05-3PVE	PANDUIT PCB CO	3	J3-5
J CON HD515V/05-4PVE	02881 + 02882 PANDUIT PCB CONN	1	J2
J CON HD515V/05-5PVE	PANDUIT PCB CO	1	J1
J TESTP1.3mm 07913	07913 TEST POINT	6	J6-11
R 1K2 0042	0042RES 1/4W 5%	1	R1
RL 40.31.12 07567	07567 RELE	2	RLY1-2

COMPONENT LIST *1kW 32Vdc Switching Power Supply*

SMT COMPONENT

IT	QTY	STORE-CODE	DESCRIPTION	REF	Page 1/2
1	1	03.B04.0000A	CHIP RES.0805 STR.MET.0.10W 0Ohm 5%	R92	
2	2	03.B05.0003B	100R 1% 0.1W RES. SMD 0805 100PPM	R16, R42	
3	3	03.B05.0006B	10K 1% 0.1W RES. SMD 0805 100PPM	R27-28, R130	
4	4	03.B05.0009B	1K 1% 0.1W RES. SMD 0805 100PPM	R8, R40, R43, R105	
5	3	03.B05.0014B	27K 1% 0.1W RES. SMD 0805 100PPM	R20, R45, R93	
6	1	03.B05.0020B	47K 1% 0.1W RES. SMD 0805 100PPM	R5	
7	3	03.B05.0061B	4K7 1% 0.1W RES. SMD 0805 100PPM	R19, R44, R94	
8	1	03.B05.0150B	150R 1% 0.1W RES. SMD 0805 100PPM	R84	
9	6	03.B10.0267B	4K75 1% 1% 25W RES. SMD 1206 100PPM	R47-52	
10	9	03.B17.0003B	2R2 1% 0.25W RES. SMD MINIMELF 100PPM	R1-2, R18, R38, R41, R46, R86-87, R167	
11	2	03.B17.0010B	100K 1% 0.25W RES. SMD MINIMELF 100PPM	R75-76	
12	1	03.B25.0002A	0.01R 1% 3W RES. SMD 4527 WSR3 100PPM	R31	
13	8	03.D02.0004A	COND. CRM MSTR Z5U 100NF 50V 20% SMT-0805	C13, C42, C45, C50, C71, C98-99, C127	
14	3	03.D02.0012A	220PF 50V 5% 0805 SMD COND. CMR X7R	C11, C19, C36	
15	3	03.D04.0004A	1NF 500V 10% 1206 SMD COND. CRM MSTR	C8, C93-94	
16	5	03.D04.0007A	1uF 25V 10% 1206 SMD GRM42-6 (MURATA)	C1, C3, C12, C18, C135	
17	1	05.B02.0014A	L6565D FLYBACK QUASI-RESONANT CONTROL.	IC1	
18	2	05.B04.0010A	LMC6482AIM DUAL CMOS SOP-8 OP.AMP	UI-2	
19	2	04.D00.0001A	MMBT2222A BJT NPN 40V 1A 0.35W Hfe100-300	Q3, Q20	
20	1	04.D00.0501A	MMBT2907A BJT PNP -60V 0.8A 0.35W Hfe100-300	Q1	
21	5	04.D00.0502A	BJT PNP -80V -1A 1W Hfe 100 Ty. BCX53-16 Pk. SOT-89 (M.code: AL)	Q4, Q18, Q21-22, Q27	
22	6	04.B01.0001A	BAV103 SMD DIODO SILICIO 200MA 250V PKG. SOD80	D1, D22, D24-25, D27, D37	
23	3	04.K00.0002A	DIODO LED VERDE SMD 1206 BRIGHTLED	DL1-3	

THT COMPONENT

IT	QTY	STORE-CODE	DESCRIPTIO	REF	Page 1/2
24	1		CIRCUITO STAMPATO D.N. D06.0203A_00R02		
25	4		Morsetto Phoenix MKDS5/2-9.5	J4, J6, J9-10	
26	1		RELAY 24VDC 16A G2R-1-E-24VDC OMRON	K1	
27	5		0,1R 5% 3W RES. OSSIDO. MET.	R103-104, R201-203	
28	2		220R 5% 3W RES. OSSIDO. MET.	R4, R60	
29	2		33KOhm 5% 3W RES. OSSIDO MET.	R162-163	
30	4		39R 5% 2W RES. OSSIDO MET. 250ppm	R6, R15, R169, R171	
31	2		100K 5% 2W RES. OSSIDO MET. 250ppm	R82, R101	

IT	QTY	STORE-CODE	DESCRIPTION	REF.	Page 2/2
32	4		RESISTORE A FILO 0,01R 2W 5%	R3, R7, R29, R34	
33	1		Potenziometro Cermet 20Giri 2KOhm 0.5W 10% 100ppm Ty: 67W	P1	
34	5		4700pF 250W COND. CRM CLASSE X1 Y2 P.7,5	C6, C15, C17, C87-88	
35	1		100nF 600V 5% Cond. film mylar scat 7.5x17.5mm P.15	C2	
36	2		1uF 275Vac X2COND. FILM. SCAT. 12.5x32.5mm P27.5	C106, C116	
37	1		COND. FILM MYLAR SCATOLINO 4.7nF 250V 10% 5x17.5 P. 15 (mm)	C5	
38	2		1uF 630V COND. FILM SCAT. 18x32.5mm P.27.5	C112-113	
39	9		10uF 63 COND. RAD. POLIES. 10% P22.5 10x25 (mm)	C4, C9-10, C46-49, C52, C53	
40	1		Condensatore FILM SCATOLINO 2.2uF 400V 10% P.27,5	C7	
41	2		470uF 450V 20% ETL SNAP-IN 20% ins. Radiale d35 / h52mm	C107-108	
42	7		COND. ETL AL 100uF 25V d6,3x11mm P.2,5	C28, C40, C43, C70, C91, C96, C126	
43	3		COND. ETL AL 220uF 63V 20% ins. Radiale d20 / h42mm P7.5	C57-59	
44	1		COND. ETL 1uF 450V 20% ins. Radiale d8 / h11.5 P.3.8 (mm)	C16	
45	3		INDUTTORE 22uH I-MAX 2A PASSO 200	L1-2, L7	
46	1		TRASF. DI POT. T0203.04R01 D.N. STT0203_04R01	T1	
47	1		TRASF. AUX T0203.05R02 D.N. STT0203_05R02	T3	
48	1		BOBINA SNUBBER PFC T0211.03R01 D.N. STT0211_03R01	L9	
49	1		BOBINA CLAMPER PFC T0211.02R02 D.N. STT0211_02R02	L8	
50	1		BOBINA PFC T0203.01R00 D.N. STT0203_01R00	L5	
51	1		BOBINA DI MODO COMUNE T0203.06R00 D.N. STT0203	L6	
52	1		NTC 10R DIAM. 9,5mm P.5 B57-235-S100M	NTC5	
53	1		NTC EPCOS B57045K0103K000	NTC1	
54	2		FUSIBILE AUTO AL 25A 32V	F3-4	
55	4		CLIP PORTAFUSIBILE PER AUTO PZ1011 (OMEGA)	F1-2	
56	1		P600K DIODO RADDRIZZ. SILICIO 6A 800V	D12	
57	1		STTA3006CW DOPPIO DIODO ULTRA FAST TO247	D10	
58	2		STT1206D TO220 D. TURBOSWITCH 600V 12A	D9, D13	
59	2		STPS80H100CY 100V 4X20 MAX TO247	D29, D30	
60	1		DIODO ZENER 1,3W 18V ZPY18 DO-41 5%	Z9	
61	1		STP6NC90Z 900V 6A ENHAN. MODE N-MOSFET	MT3	
62	3		STW45NM50 TO247 500V 45A MOSFET	MF1-2, MF4	
63	1		COND. CER. MULTISTRATO 1uF 50V P.5	C14	

Note:

within the notes:

- the 'V' prefix is for Vertical mounting

- the 'M' prefix stands for Mechanical details