



**OM Power**

**Exhibit 11: Tuning procedure and  
Part list**

**External Radio Frequency  
Power Amplifier OM2500A**

**Model OM2500A**

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#### 4-5. Tuning

Tuning is possible only in the OPR mode.

##### a. Preliminary Information

Tuning the amplifier involves a procedure of matching the impedance of the antenna and transmission line to the tubes characteristic load resistance. This will ensure maximum plate efficiency and RF gain at nominal output power, with minimal distortion and spurious output. Note that REFLECTED POWER readings depend on the antenna and transmission line impedances only, and not on amplifier tuning. If the load impedance is not a nominally resistive 50 Ohms, the REFLECTED POWER reading will always show a reading, no matter what the tuning settings. Proper tuning is always necessary, however, and will allow you to operate at a high power level, without distortion or any danger to the amplifier. Note also that the real OUTPUT POWER presented to the load (the antenna and transmission line) is equal to the difference between the FORWARD and REFLECTED POWER readings. For instance, with a 2.5:1 VSWR, readings of 800W and 150W FORWARD and REFLECTED POWER respectively, the real OUTPUT POWER is 650W. At very high VSWR levels, such as when no antenna is connected or a badly mismatched antenna is used, the FORWARD and REFLECTED reading will be almost equal, while the real OUTPUT POWER (the difference between them) will be zero. The amplifier can operate safely as long as the REFLECTED POWER is LESS THAN 350W. Matching is assured for loads presenting a REFLECTED POWER of up to 350W. Nevertheless, for some loads and bands, matching is possible at even higher REFLECTED POWER levels, but the drive power must be reduced to prevent the REFLECTED POWER from exceeding 350W. Failure to comply with these guidelines will cause the protection circuits to trip. For example, if the antenna VSWR were 5:1, the maximum attainable FORWARD POWER would be 540W, 240W of reflected power and real output to the antenna and transmission line of only 300W. In the event your antenna cannot be adjusted to produce a lower VSWR, an external antenna tuner may be deployed.

#### CAUTION

At elevated VSWR levels, high voltages and high currents are distributed along the coaxial cable to the antenna, risking internal arcing and heat generation, and likely damage to the cable and any antenna switches that may be used. It is recommended that VSWR levels of more than 2:1 not be permitted with coaxial cable above 14MHz.

It is advisable to adjust amplifier tuning when antennas have been changed, snow has fallen, new objects are in the near field of the antenna, etc. Such changes may affect antenna impedance.

#### NOTE

If you use more than one antenna on a band, the proper antenna must be selected prior to performing the tuning procedure outlined below.

#### CAUTION

To avoid damage not covered under warranty, do not switch the BAND switch knob while transmitting. As discussed above, hot switching will damage the amplifier's band switch.

#### CAUTION

Also, never apply drive longer than one minute continuously without pausing for at least one minute to allow tube to cool.

## b. Tuning procedure

OM2500A has been design to deliver maximum output power at 50 Ohms load. To deliver maximum output to real load you need to adjust the tuning according to your real antenna impedance.

Entering the TUNE mode is done by pressing the TUNE button. OM2500A then switches the TRX to RTTY and sets the frequency to corresponding segment. By changing the values of TUNE and LOAD capacitors we tune the PA as per manual tuning instructions (below in next part of manual) Optimally tuned PA delivers full output without reaching maximum Screen Current of 30mA!!!

After tuning the PA we save the settings by pressing SET and PA will automatically tune frequency of TRX to next band segment. Follow the same procedure for all bands and segments if needed.



By pressing MAN or AUTO buttons PA and TRX will return to standard operating mode.

#### Deviding of bands into segments

Band (MHz)	1,8	3,5	7	10	14	18	21	24	28
Width of the segments (kHz)	15	30	30	30	30	50	60	60	70

## TUNING

The OM2500A amplifier is operated in class AB. Thus it's possible to obtain a maximum output power at an excellent linearity. For this purpose the amplifier has to be tuned carefully.

The operation of a mistuned PA will cause malfunctions, the increase of grid current (the GRID-MAX-LED will light up) and problems with TVI/BCI.

The grid-current is shown with 2 LED diodes. It's normal if the green LED is flashing or may be shining a little bit during peak operation. If you overload the amplifier the output power increases the grid current at very small rates and the red GRID-MAX-LED is shining and the safety devices switch the PA to STBY. You must decrease the input power.

In SSB you will have a good output power if the green LED lights up a bit. The current of screen grid is measured and shown in a Bar graph indicator. The amplifier has to be tuned in such a way that the current is between - 20 mA to +50 mA. At currents beyond these values the operating point will be shifted and

IM-products will be rapidly increased. If a value of + 70mA is exceeded, the safety devices will switch the amplifier to STBY mode.

**Tuning instruction :**

**Please note:**

**Before starting tuning you have to check if the right antenna or a 50 Ohms load resistance is connected at the antenna output!**

**Switching on the amplifier:**

- put the switch at the multimeter to HV position
- put the OPR/STBY switch to STBY position
- press the „ON“ button

The amplifier is prepared for operation with the following steps:

- the toroidal transformers are switched step by step.
- the blower of tube is switched on.
- the multimeter bar graph measures the high voltage; the normal value is 2.8 kV
- the WAIT LED lights up

After switching on you have to check the functioning of the blower. Air must be blown out of the ventilating apertures above the tube. ( If there is any failure you have to press the „OFF“-button immediately !)

Heating the tube takes about 150 seconds. After this time the WAIT LED goes out and the amplifier is ready for operation.

**Tuning the amplifier to an output of 1500 W**

OM2500A will tune automatically to either TRX frequency via CAT interface or by frequency sampled by PA.

1. Reduce the power output of your transceiver to the **0**.
2. Switch **OPR/STBY** to „**OPR**“ position (OPR LED lights up)
3. Choose **TUNE** position of multimeter.
4. Switch the PA and increase driver power to **10W** (OUTPUT power will be abt. 500W)

## Please note!

If the input power is higher than 15 W and the power amplifier is not correctly tuned, the safety devices will switch to STBY.

After switching the amplifier to PTT, the amplifier will automatically reset and switch back to OPR mode after approximately 2 seconds.

5. Set TUNE in such a way, that the TUNE-LED lights up maximum left.
6. Set LOAD in such a way, that the TUNE LED on the TUNE scale lights up under the “V” sign. If it is possible to obtain the LOAD in 2 positions, set the position that is farther to the right.
7. Repeat tuning several times according to 5 and 6.
8. Increase the input power until an output power of approximately 2500 W is reached.
9. Repeat steps 6 and 7
10. Set TUNE to maximum output power

After this procedure the amplifier is tuned correctly and ready to give 3500W output power in all operation modes. At optimal tuning and full output power a positive 50mA voltage goes through the second grid. On 24 and 28 MHz bands optimal tuning can be achieved when one or two LEDs are lit up to the left from the position “V”. If less output is desired you can simply decrease the load of the transceiver.

**Please note: Should the amplifier demonstrate any malfunctions during tuning or should it not behave in accordance with the description, interrupt the tuning procedure immediately and check the amplifier!**

**Be sure to have not done any mistakes in choosing bands or TUNE/LOAD values!**

**Be sure that SWR is not higher than 1:2 and input power is LOW!**

**After excluding human mistakes you will be able to work for long time with this amplifier!**

OM2500A main							
NR.	QTY.	CODE OM-POWER	TYPE	VALUE	PACKAGE	PROVIDER	DELIVERY
1	3 Pcs.	C1,C5,C6	Cap ceramic	4n7 6kV K15-5	D_RM15,24	RUSSIA	RUSSIA
2	3 Pcs.	C2,C3,C14	condensator ceramic	10n/500V	C_RM5,08	SUNTAN	TME Electronic
3	1 Pcs.	C4	Cap ceramic disc	2n2 10kV KVI-3	Φ 40MM	RUSSIA	RUSSIA
4	1 Pcs.	C7	Cap ceramic disc	470 4kV K15U-1	Φ 45MM	RUSSIA	RUSSIA
5	1 Pcs.	C8 + C12	ROTATING condensator	70 + 250pF		HUNGARY	HUNGARY
6	1 Pcs.	C9	Cap ceramic disc	1K 4kV K15U-1	Φ 63MM	RUSSIA	RUSSIA
7	1 Pcs.	C10 + C13	ROTATING condensator	400 + 400pF		HUNGARY	HUNGARY
8	1 Pcs.	C11	Cap ceramic disc	330 1kV K15U-1	Φ 32MM	RUSSIA	RUSSIA
9	3 Pcs.	D1,D2,D3	Diode Si	1N4007diode 1A 1000V	D_RM12,7_DM3	DIOTEC	SOS Electronic Europe
10	1 Pcs.	F1	Fuse 5x20mm Slow	10A Fuse Slow	5x20mm		SOS Electronic Europe
11	2 Pcs.	F2,F3	Fuse 5x20mm Slow	3,15A Fuse Slow	5x20mm		SOS Electronic Europe
12	2 Pcs.	F	Fuse 6,3x32mm Slow	T 25A Fuse Slow	6,3x32mm		SOS Electronic Europe
13	2 Pcs.	K1,K2	Connector NSL25-2G	C1x2	1X02 M 2P 2,54mm		SOS Electronic Europe
14	1 Pcs.	L1	Coil	Stopper coil	1 t Cu strap	OM Power	
15	1 Pcs.	L2 + L3	Coil	anode choke	20 x 150mm	OM Power	
16	2 Pcs.	L4, L5	Coil	choke 150uH	25 x 62mm	OM Power	
17	1 Pcs.	L7	Coil	Air coil	50 x 160 mm	OM Power	
18	1 Pcs.	L8	Coil	L coil on Amidon T220-2A	T220-2A	OM Power	
19	1 Pcs.	L9	Coil	100uH choke coil	77- A - 101	Fastron	SOS Electronic Europe
20	1 Pcs.	R1	Resistor disk	0,5	10 x 10mm	RUSSIA	RUSSIA
21	1 Pcs.	R2	Resistor metal oxide	3 x 220/3W	617	VITROHM	SOS Electronic Europe
22	3 Pcs.	R3,R4,R5	Resistor metal oxide	1M 2W	414	VITROHM	SOS Electronic Europe
23	3 Pcs.	Rel1	Relay	Relay-FINDER-36.11.9.006	LYCA024Y	FINDER	SOS Electronic Europe
24	1 Pcs.	AC Filter	F.AM.DB.3600.ZF	AC filter	65 x 52 x 40 mm	ARCOTRONICS	SOS Electronic Europe
25	1 Pcs.	TUBE	TUBE	GU84B		RUSSIA	RUSSIA

OM2500A G2 board							
NR.	QTY.	CODE OM-POWER	TYPE	VALUE	PACKAGE	PROVIDER	DELIVERY
1	3 Pcs.	C1,C2,C3,	condensator ceramic	10n/500V	C_RM5,08	SUNTAN	TME Electronic
2	4 Pcs.	C6,C7,C5,C4	condensator ceramic	10n/500V	C_RM5,08		SOS Electronic Europe
3	2 Pcs.	C8,C9	condensator foil	100n/250V	C_GRID5,08		SOS Electronic Europe
4	2 Pcs.	S1,S2	SUPRESOR	A81-A230x		EPCOS	Arrow
5	2 Pcs.	D1,D3	Diode Si	1N5384	D_RM12,7_DM3	DIOTEC	SOS Electronic Europe
6	2 Pcs.	D2,D4	Diode Si	1N5363	D_RM12,7_DM3	DIOTEC	SOS Electronic Europe
7	1 Pcs.	D5	Diode Si	BZW 06-15B Transient Voltage Suppressor Diode	D_RM12,7_DM3	DIOTEC	SOS Electronic Europe
8	1 Pcs.	D6	Diode Si	ZD10V	D_RM10,16	DIOTEC	SOS Electronic Europe
9	1 Pcs.	D7	Diode Si	1N5408 GENERAL PURPOSE PLASTIC RECTIFIER Reverse Voltage - 50 to 1000 Volts, Forward Current - 3.0Amperes	267-03	DIOTEC	SOS Electronic Europe
10	1 Pcs.	K1	Connector NSL25-2G	C1x2	1X02 M 2P 2,54mm		SOS Electronic Europe
11	1 Pcs.	K2	Connector NSL25-4G	C1x4	1X04 M 4P 2,54mm		SOS Electronic Europe
12	2 Pcs.	K3,K4	Connector FASTIN	C1x1	FASTIN 2,8x0,5 L12mm		SOS Electronic Europe
13	2 Pcs.	R1,R2	Resistor metal oxide	1k	206	VITROHM	SOS Electronic Europe
14	1 Pcs.	R3	Resistor metal oxide	56/2w	R_2W	VITROHM	SOS Electronic Europe
15	1 Pcs.	R4	Resistor metal oxide	10k	R_2W	VITROHM	SOS Electronic Europe
16	1 Pcs.	R5	Resistor metal oxide	18K/10W	R_10W	VITROHM	SOS Electronic Europe
17	1 Pcs.	R6	Resistor metal oxide	68/2w	R_2W	VITROHM	SOS Electronic Europe
18	1 Pcs.	R7	Resistor metal oxide	1M	R_2W	VITROHM	SOS Electronic Europe
19	1 Pcs.	R8	Resistor metal oxide	10K	206	VITROHM	SOS Electronic Europe
20	1 Pcs.	R9	Resistor metal oxide	1k	207	VITROHM	SOS Electronic Europe
21	2 Pcs.	R10,R11	Resistor metal oxide	100k	207	VITROHM	SOS Electronic Europe
22	1 Pcs.	Rel1	Relay	Relay-FINDER-36.11.9.006	LYCA012L	FINDER	SOS Electronic Europe
23	2 Pcs.	T1,T2	Transistor	BU508DF HIGH VOLTAGE FAST-SWITCHING NPN POWER TRANSISTORS	TO225	NXP	SOS Electronic Europe
24	1 Pcs.	T3	Transistor	IRFP450 14A, 500V, 0.400 Ohm, N-Channel Power MOSFET	TO220	VISHAY	SOS Electronic Europe

OM2500A input board							
NR.	QTY.	CODE OM-POWER	TYPE	VALUE	PACKAGE	PROVIDER	DELIVERY
1	1 Pcs.	ATT	attenuator	3dB / 250W	Flange resistor	AT - tech	CHINA
2	2 Pcs.	C1,C3	condensator ceramic	47/ 500V	C_RM5,08		SOS Electronic Europe
3	2 Pcs.	C2,C6	condensator ceramic	22/ 500V	C_RM5,08		SOS Electronic Europe
4	1 Pcs.	C4	condensator ceramic	100 /1kV	C_RM5,08		SOS Electronic Europe
5	1 Pcs.	C5	condensator ceramic	100n /50V	C_RM5,08		SOS Electronic Europe
6	1 Pcs.	C7	condensator ceramic	10n /3kV	C_RM5,08	SUNTAN	TME ELECTRONIC
7	1 Pcs.	C8	condensator ceramic	1n 1kV	C_RM5,08		SOS Electronic Europe
8	1 Pcs.	C9	condensator ceramic	100n	C_RM5,08		SOS Electronic Europe
9	1 Pcs.	C10	condensator ceramic	10n /500V	C_RM5,08	SUNTAN	TME ELECTRONIC
10	2 Pcs.	D1,D2	Diode Si	BAT41 SMALL SIGNAL SCHOTTKY DIODE	DO35	DIOTEC	SOS Electronic Europe
11	1 Pcs.	D4	Diode Si	1N5408 GENERAL PURPOSE PLASTIC RECTIFIER Reverse Voltage - 50 to 1000 Volts, Forward Current - 3.0Amperes	DO201AD	DIOTEC	SOS Electronic Europe
12	1 Pcs.	K1	Connector NSL25-2G	C1x2	1X02 M 2P 2,54mm		SOS Electronic Europe
13	1 Pcs.	K2	Connector NSL25-4G	C1x4	1X04 M 4P 2,54mm		SOS Electronic Europe
14	2 Pcs.	L1,L2	AIR Coil	10µH	l= 30 mm		SOS Electronic Europe
15	1 Pcs.	L4	Coil	220µH	R_2W		SOS Electronic Europe
16	1 Pcs.	R1	Resistor metal oxide	120k	204	VITROHM	SOS Electronic Europe
17	1 Pcs.	R2	Resistor	50 / 250W	Flange resistor	DICONEX	DICONEX
18	1 Pcs.	R4	Resistor metal oxide	100K	R_2W	VITROHM	SOS Electronic Europe
19	2 Pcs.	Rel1,Rel2	Relay	Relay-FINDER-36.11.9.006	LYCA012	FINDER	SOS Electronic Europe

OM2500A HV supply board							
NR.	QTY.	CODE OM-POWER	TYPE	VALUE	PACKAGE	PROVIDER	DELIVERY
1	10 Pcs.	BR1,BR2,BR3,BR4,BR5,BR6,BR7,BR8,BR9,BR10	BRIDGE RECTIFIER	B80C5000 5.0A	KBU6J		TME Electronic
2	8 Pcs.	C1,C2,C3,C4,C5,C6,C7,C8	condensator el.	330µF 450V	CE30/10	SAMWHA HC 85° C	TME Electronic
3	1 Pcs.	C9	condensator ceramic	3,3nF 3kV	C15		SOS Electronic Europe
4	2 Pcs.	C10,C11	condensator el.	47µF 250V	CE14/5	SAMWHA RD 105° C	SOS Electronic Europe
5	1 Pcs.	C12	condensator el.	10µF 63V	C ELKO_RM2,54_DM6	JAMICON TK 105° C	SOS Electronic Europe
6	6 Pcs.	C13,C14,C17,C18,C19,C20	condensator ceramic	10nF 1kV	C_RM5,08		SOS Electronic Europe
7	2 Pcs.	CEH - C15,C16	condensator el.	47µF 450V	CE16/7,5	SAMWHA RD 105° C	SOS Electronic Europe
8	8 Pcs.	C21,C22,C23,C24,C25,C26,C27,C28	condensator ceramic	10nF 500V	RM7,62		SOS Electronic Europe
9	10 Pcs.	C29,C30,C31,C32,C33,C34,C35,C36,C37,C38	condensator foil	0,047µF 275V	PP_X2 275V 20% RM15	ARCOTRONICS	TME Electronic
10	1 Pcs.	D1	Diode Si	1N5349 12V 5W ZENER DIODE	D_RM15,24	DIOTEC	SOS Electronic Europe
11	4 Pcs.	D2,D3,D4,D5	Diode Si	1N5363 Zener 30V 5W 5%	D_RM15,24	DIOTEC	SOS Electronic Europe
12	2 Pcs.	D6,D7	Diode Si	ZD 30V	D_RM15,24	DIOTEC	SOS Electronic Europe
13	8 Pcs.	F1,F2,F3,F4,F5,F6,F7,F8	Fuse 5x20mm Slow	3,15A	FUSE		SOS Electronic Europe
14	3 Pcs.	FUS - F9,F10,F11	Fuse 5x20mm Slow	6,3A	FUSE		SOS Electronic Europe
15	1 Pcs.	K1FIN28-P	Connector FASTIN	C1x1	FASTIN 2,8x0,8 L10,5mm	LÖTPUNKT	SOS Electronic Europe
16	1 Pcs.	K2	Connector NSL25-3G	C1x3	1X03 M 3P 2,54mm		SOS Electronic Europe
17	2 Pcs.	K3,K5	Connector NSL25-4G	C1x4	1X04 M 4P 2,54mm		SOS Electronic Europe
18	1 Pcs.	K4	Connector NSL25-2G	C1x2	1X02 M 2P 2,54mm		SOS Electronic Europe
19	1 Pcs.	K6	Connector (BLY1/01)	C1x1	1X01 BL1X01G	FISCHER	SOS Electronic Europe
20	4 Pcs.	KL1,KL2,KL3,KL4	Connector	Terminal-Block4polar	PV04-5,08-H-P	EUROCLAMP	SOS Electronic Europe
22	2 Pcs.	KL7,KL8	Connector	Terminal-Block2polar	PV02-5,08-H-P	EUROCLAMP	SOS Electronic Europe
23	8 Pcs.	R1,R2,R3,R4,R5,R6,R7,R8	Resistor metal oxide	150K	R 2W	VITROHM	SOS Electronic Europe
24	4 Pcs.	RWA - R9,R10,R11,R12	Resistor wire	10	R 10W	VITROHM	SOS Electronic Europe
25	2 Pcs.	R13,R22	Resistor metal oxide	1K	R 2W	VITROHM	SOS Electronic Europe
26	3 Pcs.	R14,R15,R17	Resistor metal oxide	1M	R 2W	VITROHM	SOS Electronic Europe
27	2 Pcs.	R16,R19	Resistor wire	10K	R 5W	VITROHM	SOS Electronic Europe
28	1 Pcs.	R18	Resistor metal oxide	10K	207	VITROHM	SOS Electronic Europe
29	1 Pcs.	R20	Resistor metal oxide	10	R 2W	VITROHM	SOS Electronic Europe
30	1 Pcs.	R21	Resistor metal oxide	560	R 2W	VITROHM	SOS Electronic Europe
31	1 Pcs.	R23	Resistor metal oxide	10	207	VITROHM	SOS Electronic Europe
32	1 Pcs.	R24	Resistor metal oxide	10	R 2W	VITROHM	SOS Electronic Europe
33	1 Pcs.	R25	Resistor metal oxide	150K	414	VITROHM	SOS Electronic Europe
34	1 Pcs.	Rel1	Relay	RelayN4100HS3DC12V 3A/125AC/30VDC	N4100HS3DC12V	TOWARD	SOS Electronic Europe



OM2500A Control board						
NR.	QTY.	CODE OM-POWER	TYPE	VALUE	PACKAGE	PROVIDER
1	2 Pcs.	C1,C2	condensator ceramic	22	C_RM5,08	SOS Electronic Europe
2	12 Pcs.	C3,C4,C14,C17,C18,C19,C27,C29,C31,C41,C43,C44	condensator ceramic	100n	C_RM5,08	SOS Electronic Europe
3	9 Pcs.	C5,C6,C9,C11,C13,C16,C21,C39,C40	condensator ceramic	10n	C_RM5,08	SOS Electronic Europe
4	5 Pcs.	C7,C8,C12,C15,C23	condensator ceramic	1n	C_RM5,08	SOS Electronic Europe
5	1 Pcs.	C10	condensator ceramic	10n/500V	C_RM5,08	SOS Electronic Europe
6	2 Pcs.	C20,C22	condensator ceramic	10n/500	C_RM5,08	SOS Electronic Europe
7	4 Pcs.	C24,C25,C45,C46	condensator el.	470M	C_ELKO_RM5,08_DM10	SOS Electronic Europe
8	3 Pcs.	C26,C28,C30	condensator el.	10M	C_ELKO_RM2,54_DM6	SOS Electronic Europe
9	4 Pcs.	C32,C33,C34,C35	condensator el.	1µF	C_ELKO_RM2,54_DM6	SOS Electronic Europe
10	1 Pcs.	C36	condensator ceramic	M47	C_RM5,08	SOS Electronic Europe
11	3 Pcs.	C37,C47,C48	condensator ceramic	100n	C_RM5,08	SOS Electronic Europe
12	1 Pcs.	C38	condensator ceramic	10n/500V	C_RM5,08	SOS Electronic Europe
13	1 Pcs.	C42	condensator el.	10µF	C_ELKO_RM2,54_DM6	SOS Electronic Europe
14	1 Pcs.	C49	condensator ceramic	100	C_RM5,08	SOS Electronic Europe
15	5 Pcs.	D1,D2,D3,D4,D16	Diode Si	ZD 5V1	D_RM12,7_DM5,4	DIOTEC
16	2 Pcs.	D5,D6	Diode Si	1N4148 Small Signal Diode	DO41	DIOTEC
17	7 Pcs.	D7,D10,D17,D19,D20,D21,D22	Diode Si	1N4148 Small Signal Diode	DO35	DIOTEC
18	2 Pcs.	D8,D9	Diode Si	ZD10V	DO41	DIOTEC
19	1 Pcs.	D11	Diode Si	ZD 5V1	DO41	DIOTEC
20	4 Pcs.	D12,D13,D14,D15	Diode Si	1N5408 GENERAL PURPOSE PLASTIC RECTIFIER Reverse Voltage - 50 to 1000 Volts, Forward Current - 3.0Amperes	DO201AD	DIOTEC
21	2 Pcs.	GEH1,GEH2		PT15LV Resistor trimmer	PT15LV	PHER
22	2 Pcs.	IC1,IC3	Integrated circuit	SN74LS14	DIL14	TI
23	1 Pcs.	IC2	Integrated circuit	18F4525 procesor	DIL40	MICROCHIP
24	2 Pcs.	IC4,IC5	Integrated circuit	LM324	DIL14	ST
25	1 Pcs.	IC6	Integrated circuit	LM324N	DIL14	ST
26	1 Pcs.	IC7	Integrated circuit	7812	TO220	ST
27	1 Pcs.	IC8	Integrated circuit	78T05	TO220	ST
28	1 Pcs.	IC9	Integrated circuit	MAX232	DIL16	TI
29	1 Pcs.	K1	Connector NSL25-8G	C1x8	1X08 M 8P 2,54mm	
30	4 Pcs.	K2,K5,K11,K15	Connector NSL25-3G	C1x3	1X03 M 3P 2,54mm	
31	9 Pcs.	K3,K4,K9,K10,K13,K14,K16,K17,K18	Connector NSL25-2G	C1x2	1X02 M 2P 2,54mm	
32	3 Pcs.	K6,K7,K8	Connector NSL25-4G	C1x4	1X04 M 4P 2,54mm	
33	1 Pcs.	K12	Connector	Card/ribbon connector_20_standing		HARTIG
34	2 Pcs.	L1,L2	Coil	100µH	207	FASTRON
35	1 Pcs.	Q1	Quartz	20MHz	HC-49/U	
36	33 Pcs.	R1,R2,R3,R4,R9,R10,R12,R13,R14,R16,R17,R20,R21,R22,R23,R24,R25,R31,R32,R33,R34,R35,R36,R64,R72,R74,R87,R88,R89,R95,R97,R98,R100	Resistor metal oxide	10K	207	VITROHM
37	4 Pcs.	R5,R6,R7,R8	Resistor metal oxide	5K	207	VITROHM
38	18 Pcs.	R11,R15,R26,R27,R28,R29,R30,R43,R44,R48,R53,R60,R67,R83,R93,R99,R101,R102	Resistor metal oxide	1K	207	VITROHM
39	1 Pcs.	R18	Resistor metal oxide	2k2	207	VITROHM
40	2 Pcs.	R19,R37	Resistor metal oxide	100	207	VITROHM
41	1 Pcs.	R38	Resistor metal oxide	1M	207	VITROHM
42	6 Pcs.	R39,R42,R47,R52,R59,R66	Resistor metal oxide	1K5	207	VITROHM
43	1 Pcs.	R40	Resistor metal oxide	5K	PT10LV	PHER
44	10 Pcs.	R41,R49,R54,R55,R61,R62,R68,R69,R81,R82	Resistor metal oxide	100K	PT10LV	PHER
45	17 Pcs.	R45,R46,R50,R51,R56,R57,R63,R65,R70,R71,R73,R75,R86,R90,R91,R92,R94	Resistor metal oxide	100K	207	VITROHM
46	2 Pcs.	R58,R79	Resistor metal oxide	47K	207	VITROHM
47	1 Pcs.	R76	Resistor metal oxide	5K6	207	VITROHM
48	1 Pcs.	R77	Resistor metal oxide	220K	207	VITROHM
49	1 Pcs.	R78	Resistor metal oxide	56K	207	VITROHM
50	1 Pcs.	R80	Resistor metal oxide	33k	207	VITROHM
51	1 Pcs.	R84	Resistor metal oxide	39	207	VITROHM
52	1 Pcs.	R85	Resistor metal oxide	47	207	VITROHM
53	1 Pcs.	R96	Resistor metal oxide	560	414	VITROHM
54	1 Pcs.	Rel1	Relay	RY12WVK	RELAIS-FINDER-SERIE3	FINDER
55	18 Pcs.	T1,T2,T3,T4,T5,T6,T7,T8,T9,T10,T11,T12,T13,T14,T15,T18,T20,T21	Transistor npn	2N3904	TO92	FAI
56	2 Pcs.	T16,T17	Transistor	IRF9630 6.5A, 200V, 0.800 Ohm, P-Channel Power MOSFETs	TO220	ST
57	1 Pcs.	T19	Transistor	IRF630 200V N-Channel B-FET	TO220	ST

OM2500A motor board							
NR.	QTY.	CODE OM-POWER	TYPE	VALUE	PACKAGE	PROVIDER	DELIVERY
1	3 Pcs.	C1,C28,C29	condensator ceramic	100n /50V	C_RM5,08		SOS Electronic Europe
2	1 Pcs.	C4	condensator el.	100M /63	C_ELKO_GRID5,08	SAMWHA SD 85° C	SOS Electronic Europe
3	1 Pcs.	C3	condensator el.	1G /35V	C_ELKO_GRID5,08	SAMWHA SD 85° C	SOS Electronic Europe
4	1 Pcs.	C2	condensator el.	1G /35V	C_ELKO_GRID5,08	SAMWHA SD 85° C	SOS Electronic Europe
5	1 Pcs.	C5	condensator el.	1G /35V	C_ELKO_GRID5,08	SAMWHA SD 85° C	SOS Electronic Europe
7	10 Pcs.	C7,C8,C9,C10,C11,C14,C15,C16,C22,C23	condensator ceramic	10n /50V	C_RM5,08		SOS Electronic Europe
8	2 Pcs.	C12,C30	condensator ceramic	100n /50V	C_RM5,08		SOS Electronic Europe
9	4 Pcs.	C13,C19,C20,C21	condensator el.	10µF /63	C_ELKO_GRID2,54	JAMICON	SOS Electronic Europe
10	2 Pcs.	C17,C18	condensator ceramic	15	C_RM5,08		SOS Electronic Europe
11	4 Pcs.	C24,C25,C26,C27	condensator ceramic	1n /50V	C_RM5,08		SOS Electronic Europe
12	14 Pcs.	D1,D2,D3,D4,D5,D6,D7,D8,D9,D10,D11,D12,D13,D14	Diode Si	1N4148 Small Signal Diode	DO35	DIOTEC	SOS Electronic Europe
13	1 Pcs.	IC1	Integrated circuit	18F4620 procesor	DIL40	MICROCHIP	SOS Electronic Europe
14	1 Pcs.	IC2	Integrated circuit	7805	TO220	ST	SOS Electronic Europe
15	1 Pcs.	IC3	Integrated circuit	74HC14	DIL14	TI	SOS Electronic Europe
16	3 Pcs.	IC4,IC5,IC6	Integrated circuit	74HC08	DIL14	TI	SOS Electronic Europe
17	1 Pcs.	IC7	Integrated circuit	SN74LS14	DIL14	TI	SOS Electronic Europe
18	1 Pcs.	IC11	Integrated circuit	MAX232	DIL16	TI	SOS Electronic Europe
19	1 Pcs.	IC12	Integrated circuit	74LS132	DIL14	TI	SOS Electronic Europe
20	1 Pcs.	IC13	Integrated circuit	4094	DIL16	ST	SOS Electronic Europe
21	1 Pcs.	IC14	Integrated circuit	LM158J-DIL8	DIL8	TI	SOS Electronic Europe
22	1 Pcs.	K1	Connector	Card/ribbon connector_16_standing	WANNENSTECKER_16_STEHEND		SOS Electronic Europe
23	3 Pcs.	K2,K3,K11	Connector	NSL25-3G C1x3	1X03 M 3P 2,54mm		SOS Electronic Europe
24	2 Pcs.	K4,K8	Connector	Card/ribbon connector_20_standing	WANNENSTECKER_20_STEHEND		SOS Electronic Europe
25	3 Pcs.	K5,K6,K7	Connector	NSL25-8G C1x8	1X08 M 8P 2,54mm		SOS Electronic Europe
26	2 Pcs.	K9,K10	Connector	NSL25-2G C1x2	1X02 M 2P 2,54mm		SOS Electronic Europe
27	5 Pcs.	L1,L2,L3,L4,L5	Coil	100u	207	FASTRON	SOS Electronic Europe
28	1 Pcs.	Q1	Quartz	20Meg	HC-49/U		SOS Electronic Europe
29	1 Pcs.	R1	Resistor metal oxide	- R7 470	206	VITROHM	SOS Electronic Europe
30	19 Pcs.	R2,R3,R4,R5,R6,R7,R24,R25,R26,R27,R28,R29,R30,R31,R32,R33,R34,R35,R40	Resistor metal oxide	10K	206	VITROHM	SOS Electronic Europe
31	3 Pcs.	R8,R9,R10	Resistor metal oxide	22k	207	VITROHM	SOS Electronic Europe
32	7 Pcs.	R11,R12,R15,R16,R17,R18,R19	Resistor metal oxide	4k7	207	VITROHM	SOS Electronic Europe
33	2 Pcs.	R13,R14	Resistor metal oxide	470	207	VITROHM	SOS Electronic Europe
34	3 Pcs.	R20,R21,R23	Resistor metal oxide	100	207	VITROHM	SOS Electronic Europe
35	13 Pcs.	R22,R43,R44,R45,R46,R47,R48,R49,R50,R51,R52,R53,R54	Resistor metal oxide	1k	207	VITROHM	SOS Electronic Europe
36	5 Pcs.	R36,R37,R38,R39,R41	Resistor metal oxide	5k	206	VITROHM	SOS Electronic Europe
37	1 Pcs.	R42	Resistor metal oxide	4k7	206	VITROHM	SOS Electronic Europe
38	1 Pcs.	Rel1	Relay	Relay-FINDER-30.22.7.005	RELAIS-FINDER-SERIE3	TAKAMISHAWA	SOS Electronic Europe
39	1 Pcs.	T1	Transistor npn	2N3904	TO92	FAI	SOS Electronic Europe
40	12 Pcs.	T2,T3,T4,T5,T6,T7,T8,T9,T10,T11,T12,T13	Transistor npn	BD681 NPN Epitaxial Silicon Transistor	TO126	FAI	SOS Electronic Europe

OM2500A SW ON board							
NR.	QTY.	CODE OM-POWER	TYPE	VALUE	PACKAGE	PROVIDER	DELIVERY
1	2 Pcs.	BR1,BR2	BRIDGE RECTIFIER	B1,5A/800V RD	BRIDGE_ROUND_GRID5	DIOTEC	SOS Electronic Europe
2	2 Pcs.	C1,C3	condensator el.	47µF /100V	C_ELKO_RM5,08_DM10,5		SOS Electronic Europe
3	1 Pcs.	C2	condensator el.	470µF /63V	C_ELKO_RM5,08_DM10,5		SOS Electronic Europe
4	1 Pcs.	C7	condensator ceramic	10n /500V	C_RM5,08	SUNTAN	SOS Electronic Europe
5	5 Pcs.	C4,C5,C6,C16,C15	condensator ceramic	0,1µF /50V	C_RM5,08		SOS Electronic Europe
6	1 Pcs.	C8	condensator ceramic	10nF /1KV	C_RM5,08		SOS Electronic Europe
7	4 Pcs.	C9,C10,C11,C12	condensator foil	0,047µF 275V	PP_X2 275V 20% RM15	ARCOTRONICS	SOS Electronic Europe
8	1 Pcs.	C18	condensator el.	47µF /100V	C_ELKO_GRID5,08		SOS Electronic Europe
9	1 Pcs.	C17	condensator el.	1000µF /35V	C_ELKO_GRID5,08		SOS Electronic Europe
10	2 Pcs.	C13,C14	condensator foil	2,2nF/ 300V	PP_X2 300V 20% RM12,	ARCOTRONICS	SOS Electronic Europe
11	2 Pcs.	C15,C16	condensator ceramic	0,1µF /50V	SMD SOD123		SOS Electronic Europe
12	2 Pcs.	D15,D16	Diode Si	1N4148 Small Signal Diode	SMD SOD123	DIOTEC	SOS Electronic Europe
13	2 Pcs.	D9,D10	Diode Si	1N4007diode 1A 1000V	D_RM12,7_DM3	DIOTEC	SOS Electronic Europe
14	2 Pcs.	D11,D12	Diode Si	ZPY5,1V	D_RM10,16	DIOTEC	SOS Electronic Europe
15	3 Pcs.	F1,F2,F3	Fuse 5x20	6,3A	SICHERUNG-HALTER_5X22		SOS Electronic Europe
16	1 Pcs.	IC3	Integrated circuit	12F675 procesor	DIL8	MICROCHIP	SOS Electronic Europe
17	1 Pcs.	K1	Connector NSL25-5G	C1x5	1X05 M 5P 2,54mm		SOS Electronic Europe
18	4 Pcs.	K2,K3,K4,K7	Connector NSL25-3G	C1x3	1X03 M 3P 2,54mm		SOS Electronic Europe
19	1 Pcs.	K5	Connector	Terminal-Block4polar	PV04-5,08-H-P	EUROCLAMP	SOS Electronic Europe
20	1 Pcs.	KL3	Connector	Terminal-Block2polar	PV02-5,08-H-P	EUROCLAMP	SOS Electronic Europe
21	4 Pcs.	KL1,KL2,KL4,KL5	Connector	45° 16A 2,5mm2 RM5	RM5	WAGO	SOS Electronic Europe
22	2 Pcs.	R1,R12	Resistor wire	1K/5W	R_5W	VITROHM	SOS Electronic Europe
23	2 Pcs.	R2,R25	Resistor wire	2x3k3/5W	R_5W	VITROHM	SOS Electronic Europe
24	1 Pcs.	R3	Resistor wire	3K3/5W	R_5W	VITROHM	SOS Electronic Europe
25	4 Pcs.	R4,R5,R9,R10	Resistor wire	10/10W	R_10W	VITROHM	SOS Electronic Europe
26	2 Pcs.	R6,R20	Resistor metal oxide	390	207	VITROHM	SOS Electronic Europe
27	2 Pcs.	R7,R8	Resistor metal oxide	560	207	VITROHM	SOS Electronic Europe
28	1 Pcs.	R11	Resistor metal oxide	470	207	VITROHM	SOS Electronic Europe
29	2 Pcs.	R13,R17	Resistor metal oxide	1k	207	VITROHM	SOS Electronic Europe
30	1 Pcs.	R14	Resistor metal oxide	10 /2W	R_2W	VITROHM	SOS Electronic Europe
31	3 Pcs.	R15,R16,R22	Resistor metal oxide	10k	207	VITROHM	SOS Electronic Europe
32	3 Pcs.	R18,R24,R21	Resistor metal oxide	10	207	VITROHM	SOS Electronic Europe
33	2 Pcs.	R19,R23	Resistor metal oxide	100K	207	VITROHM	SOS Electronic Europe
34	6 Pcs.	Rel1,Rel2,Rel3,Rel4,Rel5,Rel6	Relay	Relay-FINDER-36.11.9.012	FTR-F1	FINDER	SOS Electronic Europe
35	3 Pcs.	Rel8,Rel9	Relay	Relay-FINDER-36.11.9.024	NY-24-WK	FINDER	SOS Electronic Europe
36	3 Pcs.	T1,T2,T3	Transistor npn	2N3904	TO92	FAI	SOS Electronic Europe

OM2500A SWR board							
NR.	QTY.	CODE OM-POWER	TYPE	VALUE	PACKAGE	PROVIDER	DELIVERY
1	1 Pcs.	Bu1	Connector	Cinch-connecting-port_2-polar	SO239	CHINA	CHINA
2	1 Pcs.	L1	Coil	toroid coil	TOROID FT50-43	Amidon	Amidon USA
3	1 Pcs.	C2	condensator ceramic	120 1kV	C_RM5,08		TME Electronic
4	6 Pcs.	C3,C4,C6,C7,C8,C9	condensator ceramic	1n 1kV	C_RM5,08		SOS Electronic Europe
5	1 Pcs.	C5	c. trimer	22pF	C_RM5,08		SOS Electronic Europe
6	4 Pcs.	D1,D2,D3,D4	Diode Si	BAT41 SMALL SIGNAL SCHOTTKY DIODE	DO35	DIOTEC	SOS Electronic Europe
7	1 Pcs.	K1	Connector NSL25-3G	C1x3	1X03 M 3P 2,54mm		SOS Electronic Europe
8	1 Pcs.	L2	Coil	1000µH	207	FASTRON	SOS Electronic Europe
9	4 Pcs.	R1,R2,R3,R4	Resistor metal oxide	100 /2W	R_2W	VITROHM	SOS Electronic Europe
10	2 Pcs.	R5,R7	Resistor metal oxide	330K	204	VITROHM	SOS Electronic Europe
11	2 Pcs.	R6,R8	Resistor metal oxide	68K	204	VITROHM	SOS Electronic Europe

OM2500A display LED board

NR.	QTY.	CODE OM-POWER	TYPE	VALUE	PACKAGE	PROVIDER	DELIVERY
1	16 Pcs.	C1,C3,C4,C13,C14,C15,C16,C17,C18,C19,C20,C21,C22,C23,C24,C25	condensator ceramic	100n /50V	C_RM5,08		SOS Electronic Europe
2	1 Pcs.	C2,C1	condensator ceramic	470nV/50V	C_RM5,08		SOS Electronic Europe
3	8 Pcs.	C5,C6,C7,C8,C9,C10,C11,C12	condensator ceramic	10n /50V	C_RM5,08		SOS Electronic Europe
4	5 Pcs.	D1,D3,D4,D6,D7	LED	LED_green_grid1,27	LED_RM2,54	KINGBRIGHT	SOS Electronic Europe
5	3 Pcs.	D2,D5,D8	LED	LED_red_grid1,27	LED_RM2,54	KINGBRIGHT	SOS Electronic Europe
6	1 Pcs.	D9	Diode Si	1N4148 Small Signal Diode	DO35	DIOTEC	SOS Electronic Europe
7	1 Pcs.	DC1	LED	DC10HWA	DIL20	KINGBRIGHT	SOS Electronic Europe
8	8 Pcs.	DC2,DC3,DC4,DC5,DC7,DC8,DC9,DC10	LED	DC10GWA	DIL20	KINGBRIGHT	SOS Electronic Europe
9	2 Pcs.	DC6,DC11	LED	DC7G3HWA	DIL20	KINGBRIGHT	SOS Electronic Europe
10	11 Pcs.	IC1,IC2,IC3,IC4,IC5,IC6,IC7,IC8,IC9,IC10,IC11	Integrated circuit	LM3914N	DIL18	NATIONAL SEMICONDUCTOR	SOS Electronic Europe
11	1 Pcs.	K1	Connector	Card/ribbon connector_20_standing	WANNENSTECKER_20_STEHEND		SOS Electronic Europe
12	4 Pcs.	L1,L2,L3,L4	Coil	470µH	207		SOS Electronic Europe
13	4 Pcs.	R1,R8,R15,R17	Resistor metal oxide	220K	204	VITROHM	SOS Electronic Europe
14	11 Pcs.	R2,R3,R4,R5,R6,R9,R10,R11,R12,R13,R18	Resistor metal oxide	1K2	204	VITROHM	SOS Electronic Europe
15	4 Pcs.	R7,R14,R16,R19	Resistor metal oxide	5K	PT10LV	VITROHM	SOS Electronic Europe
16	8 Pcs.	R20,R21,R22,R23,R24,R25,R26,R27	Resistor metal oxide	390	204	VITROHM	SOS Electronic Europe
17	2 Pcs.	R28,R29	Resistor metal oxide	22k	204	VITROHM	SOS Electronic Europe
18	1 Pcs.	R30	Resistor metal oxide	10K	204	VITROHM	SOS Electronic Europe

OM2500A display LCD board

NR.	QTY.	CODE OM-POWER	TYPE	VALUE	PACKAGE	PROVIDER	DELIVERY
1	1 Pcs.	C1	condensator ceramic	100n /50V	C_RM5,08		SOS Electronic Europe
2	2 Pcs.	C2,C3	condensator ceramic	100n /50V	C_RM5,08		SOS Electronic Europe
4	7 Pcs.	D2,D3,D4,D5,D6,D7,D8	LED	LED_green_grid2,54_DIN	LED_RM2,54	KINGBRIGHT	SOS Electronic Europe
5	4 Pcs.	D9,D10,D11,D12	Diode Si	1N4148 Small Signal Diode	DO35	DIOTEC	SOS Electronic Europe
6	1 Pcs.	D13	Diode Si	1N4001diode 1A	D_RM12,7_DM3	DIOTEC	SOS Electronic Europe
7	1 Pcs.	IC1	Integrated circuit	EADIP162-DNLED	BC1602	BOLYMIN	SOS Electronic Europe
8	2 Pcs.	IC2,IC3	Integrated circuit	4094	DIL16	ST	SOS Electronic Europe
9	1 Pcs.	IC4	Integrated circuit	TLC272	DIL8	ST	SOS Electronic Europe
10	1 Pcs.	K3	Connector	Card/ribbon connector_20_standing	WANNENSTECKER_20_STEHEND		SOS Electronic Europe
11	1 Pcs.	R1	R TRIMER	5k	PT10LV	PHER	SOS Electronic Europe
12	6 Pcs.	R2,R3,R4,R5,R8,R9	Resistor metal oxide	10K	206	VITROHM	SOS Electronic Europe
13	2 Pcs.	R6,R7	Resistor metal oxide	5k	206	VITROHM	SOS Electronic Europe
14	5 Pcs.	S1,S2,S4,S5,S6	Push-button	3,5x13,5mm 100mA 28V	3,5x13,5mm	MARQUARDT	SOS Electronic Europe
15	2 Pcs.	S3,S7	Push-button	3,5x13,5mm 100mA 28V	3,5x13,5mm	MARQUARDT	SOS Electronic Europe

OM2500A IO control board							
NR.	QTY.	CODE OM-POWER	TYPE	VALUE	PACKAGE	PROVIDER	DELIVERY
1	3 Pcs.	Bu1,Bu3,Bu4	Connector	Cinch-connecting-port_2-polar	CINCH		SOS Electronic Europe
2	1 Pcs.	Bu2	Connector	Print-connector_Pin1,1mm	PRINT-CONNECTOR_PIN1,1MM		SOS Electronic Europe
3	2 Pcs.	C1,C8	condensator ceramic	10n /50V	C_RM5,08		SOS Electronic Europe
4	7 Pcs.	C2,C3,C6,C24,C25,C26,C27	condensator ceramic	100n /50V	C_RM5,08		SOS Electronic Europe
5	2 Pcs.	C4,C7	condensator el.	100µF /63V	C_ELKO_GRID5,08_DIAP	JAMICON	SOS Electronic Europe
6	1 Pcs.	C5	condensator ceramic	1n /50V	C_RM5,08		SOS Electronic Europe
7	4 Pcs.	C9,C10,C11,C12	condensator el.	1µF /100V	C_ELKO_RM2,54_DM6		SOS Electronic Europe
8	5 Pcs.	C13,C14,C15,C16,C17	condensator ceramic	100	C_RM5,08		SOS Electronic Europe
9	1 Pcs.	C18	condensator ceramic	100n /50V	C_RM5,08		SOS Electronic Europe
10	1 Pcs.	C19	condensator ceramic	10n /50V	C_RM5,08		SOS Electronic Europe
11	2 Pcs.	C20,C23	condensator ceramic	100n /50V	C_RM5,08		SOS Electronic Europe
12	2 Pcs.	C21,C22	condensator el.	10µF /100V	C_ELKO_RM2,54_DM6	JAMICON	SOS Electronic Europe
13	24 Pcs.	D1,D2,D3,D4,D5,D6,D7,D8,D9,D10	Diode Si	1N4148 Small Signal Diode	DO35	DIOTEC	SOS Electronic Europe
14	1 Pcs.	F1	Fuse 5x20mm Slow	3,15A	FUSE		SOS Electronic Europe
15	2 Pcs.	IC1,IC3	Integrated circuit	74HCT174	DIL16	TI	SOS Electronic Europe
16	2 Pcs.	IC2,IC4	Integrated circuit	74ALS145	DIL16	TI	SOS Electronic Europe
17	1 Pcs.	IC5	Integrated circuit	TLC272CP	DIL8	ST	SOS Electronic Europe
18	1 Pcs.	IC6	Integrated circuit	7805	TO220	ST	SOS Electronic Europe
19	1 Pcs.	IC7	Integrated circuit	ICL7660	DIL8	VARIOUS	SOS Electronic Europe
20	2 Pcs.	IC8,IC10	Integrated circuit	4093	DIL14	TI	SOS Electronic Europe
21	1 Pcs.	IC9	Integrated circuit	MAX232	DIL16	TI	SOS Electronic Europe
22	1 Pcs.	K1	CANNON connector	Sub-D_25pole_socket_lying	SUB-D_25POL_BUCHSE_LIEGEND		SOS Electronic Europe
23	2 Pcs.	K2,K3	Connector	C2x13	2X13_RM2,54	PRECI-DIP	SOS Electronic Europe
24	3 Pcs.	K4,K5,K6	Connector	C2x10	2X10_RM2,54	PRECI-DIP	SOS Electronic Europe
25	1 Pcs.	K7	CANNON connector	Sub-D_15pole_socket_lying	SUB-D_15POL_BUCHSE_LIEGEND		SOS Electronic Europe
26	1 Pcs.	K8	CANNON connector	Sub-D_9pole_socket_lying	SUB-D_9POL_BUCHSE_LIEGEND		SOS Electronic Europe
27	1 Pcs.	K9	CANNON connector	Sub-D_9pole_pin_lying	SUB-D_9POL_STIFT_LIEGEND		SOS Electronic Europe
28	7 Pcs.	L1,L2,L3,L6,L7,L8,L9	Coil	10µH	0207	FASTRON	SOS Electronic Europe
29	2 Pcs.	L4,L5	Coil	100µH	0207_MET	FASTRON	SOS Electronic Europe
30	1 Pcs.	L10	Coil	100µH	C_ELKO_RM2,54_DM6	FASTRON	SOS Electronic Europe
31	3 Pcs.	R1,R6,R8	Resistor metal oxide	10k	0207	VITROHM	SOS Electronic Europe
32	1 Pcs.	R2	Resistor metal oxide	5k	0204	VITROHM	SOS Electronic Europe
33	1 Pcs.	R3	Resistor metal oxide	10k	0204	VITROHM	SOS Electronic Europe
34	1 Pcs.	R4	Resistor metal oxide	1k	0204	VITROHM	SOS Electronic Europe
35	1 Pcs.	R5	Resistor metal oxide	4k7	0206	VITROHM	SOS Electronic Europe
36	1 Pcs.	R7	Resistor metal oxide	10K	0206	VITROHM	SOS Electronic Europe
37	1 Pcs.	Re1	Relay	SY5WK	RELAIS-SY	TAKAMISAWA	SOS Electronic Europe
38	1 Pcs.	Re2	Relay	A5WK	A-XW-K	TAKAMISAWA	SOS Electronic Europe
39	19 Pcs.	Rel2,Rel3,Rel4,Rel5,Rel6,Rel7,Rel8	Relay	SY 12W	Relay-FINDER-36.11.9.0	TAKAMISAWA	SOS Electronic Europe
40	1 Pcs.	T1	Transistor npn	2N3904	TO92	FAI	SOS Electronic Europe