

INSTRUKTIONSBOG FOR SAILOR N1409

INSTRUCTION BOOK FOR SAILOR N1409



A/S S. P. RADIO · AALBORG · DENMARK

GENERAL DESCRIPTION

SAILOR N1409 is an AC power supply intended to supply a SAILOR SSB short wave set, when the set has to be supplied from AC mains.

 $\underline{\text{SAILOR N1409}}$ is a switch mode power supply which reduces power consumption.

SAILOR N1409 has a built-in delay unit which ensures the proper sequence for applying voltages to the transmitter, regardless of how the MAIN SWITCH is operated.

SAILOR N1409 with MAIN SWITCH in position RECEIVER ONLY. Only the receiver is supplied and low power consumption is achieved.

SAILOR N1409 is provided with thermal breakers which switch off the set if the temperature inside the power supply gets too high.

SAILOR N1409 fits into SAILOR 19" rack system.

TECHNICAL DATA

The power supply N1409 delivers all necessary voltages to a SAILOR SSB short wave set 1000/B with an output power of 400 W PEP in the frequency range 1.6-27.5 MHz.

INPUT VOLTAGE:

220/237V AC, frequency 50-60 Hz.

OUTPUT VOLTAGES:

POWER UNIT I

8V Imax 2.0A -45V Imax 0.15A 22V Imax 3.2A

POWER UNIT II

28V Imax 3.4A 38V Imax 15A

AC VOLTAGE

24V AC for blowers

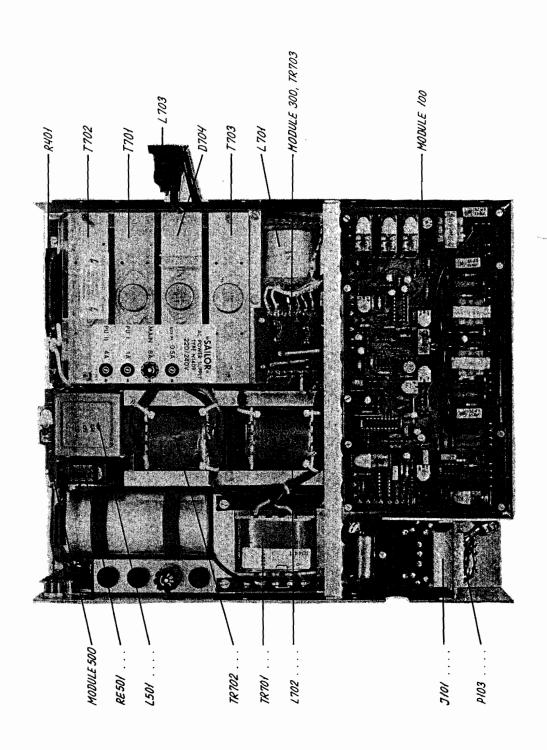
OPERATION TEMPERATURE RANGE: -15°C to +55°C

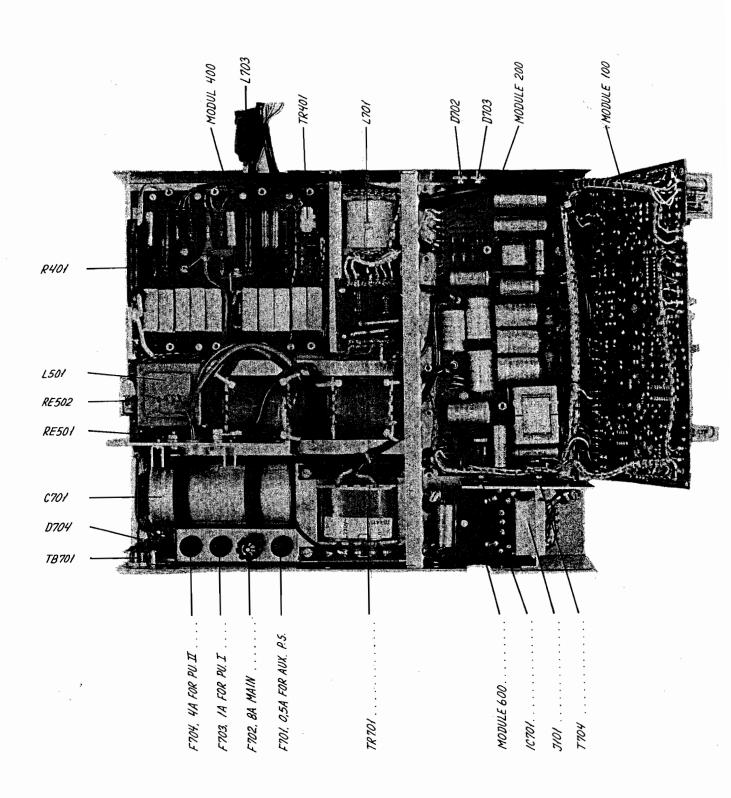
COOLING:

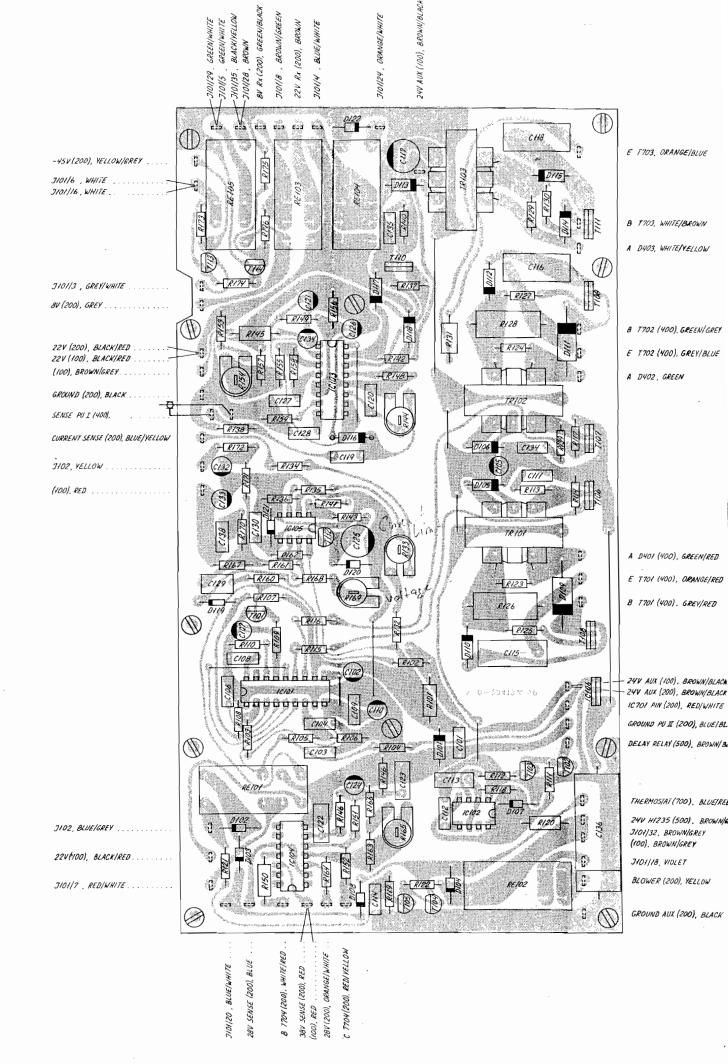
With MAIN SWITCH in position RX-ONLY and the temperature inside the power supply exceeding $+55^{\circ}$ C the internal blower will start automatically. When the temperature falls below $+45^{\circ}$ C the blower stops.

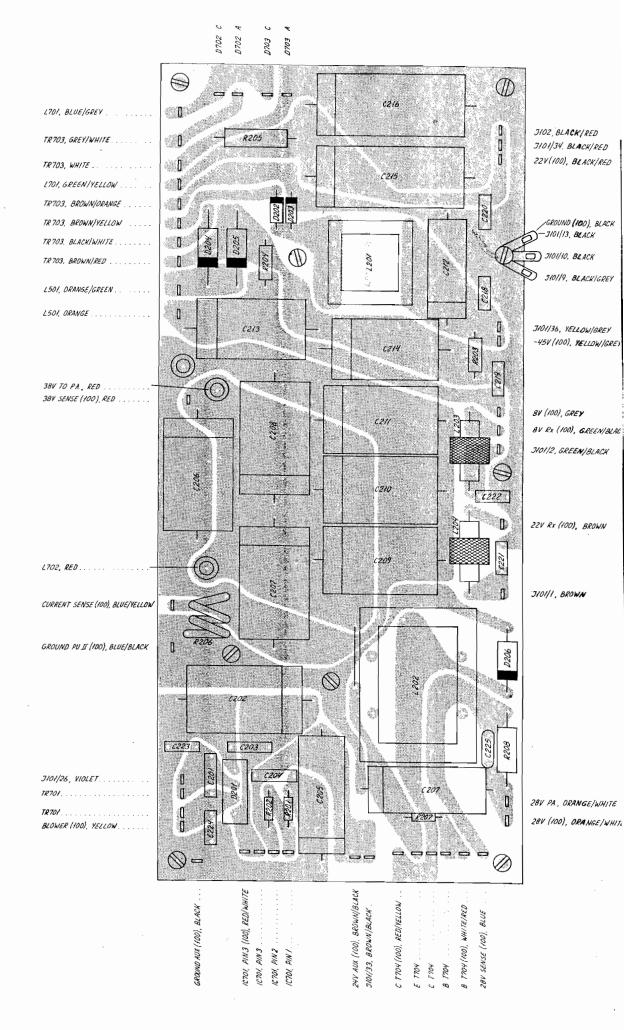
With MAIN SWITCH in position ON the internal blower is running when transmitter is keyed.

If temperature in transmitter is too high the power supply is reduced from 38V to 30V. If temperature is further increasing the Power Unit II is blocked and blowers start. When temperature is decreased blowers stop and Power Unit II is again unblocked.

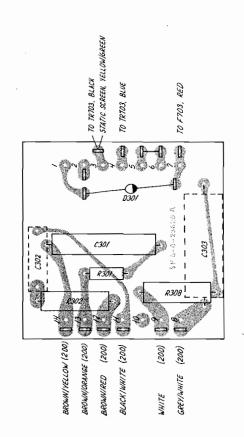


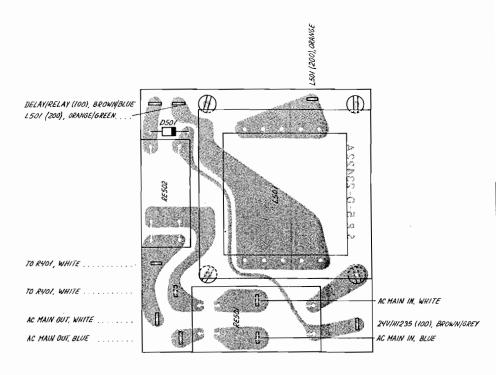


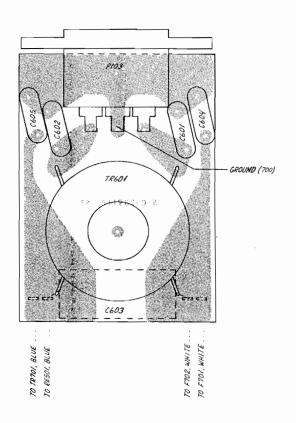


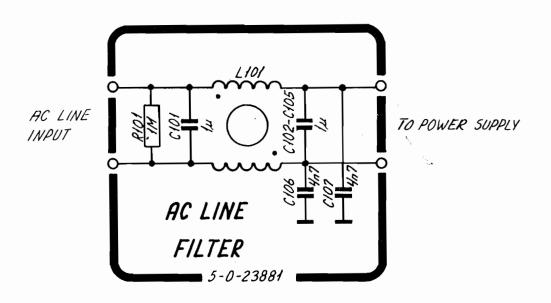


FILTER BOARD AND AUX, P.S. MODULE 20









AC LINE FILTER N1409					(100) 1/1
Symbol		escription		Manufact.	
C101	Capacitor, polyester	1uF +10%	400 V	ERO	F 1772-510-2000
C102	Capacitor, polyester	1uF ±10%	400 V	ERO	F 1772-510-2000
C103	Capacitor, polyester	1uF <u>+</u> 10%	400V	ERO	F 1772-510-2000
C104	Capacitor, polyester	1uF ±10%	400V	ERO	F 1772-510-2000
C105	Capacitor, polyester	1uF +10%	400V	ERO	F 1772-510-2000
C106	Capacitor, ceramic	4.7nF +20%	5KV	Ferroperm	9/0138.9
C107	Capacitor, ceramic	4.7nF +20%	5KV	Ferroperm	9/0138.9
L101	Filter choke TL382			S.P.	6-0-23900
R101	Resistor	1Mohm <u>+</u> 5%	0.33W	Philips	2322 211 13105

Resistor 150 ohm ±5% 1,6 W	Symbol		FUWER .	SUPPLI	Descrip	TROL UNIT N1409	Manufact.	T	1/5
R102 Resistor 22 Kohm ½5% 0,33W Philips 2322 181 53223 R103 Resistor 18 Kohm ½5% 0,33W Philips 2322 181 53183 R104 Resistor 18 Kohm ½1% 0,4 W Philips 2322 151 51002 R105 Resistor 1,3 Kohm ½1% 0,4 W Philips 2322 151 51002 R106 Resistor 1,3 Kohm ½5% 0,33W Philips 2322 151 51002 R107 Resistor 6,8 Kohm ½5% 0,33W Philips 2322 181 53682 R108 Resistor 100 ohm ½5% 0,33W Philips 2322 181 53682 R109 Resistor 100 ohm ½5% 0,33W Philips 2322 181 53101 R110 Resistor 12 Kohm ½5% 0,33W Philips 2322 181 53101 R111 Resistor 3,3 Kohm ½5% 0,33W Philips 2322 181 53123 R112 Resistor 10 Kohm ½5% 0,33W Philips 2322 181 53123 R113 Resistor 27 ohm ½5% 0,33W Philips 2322 181 53123 R114 Resistor 20 ohm ½5% 0,33W Philips 2322 181 53123 R115 Resistor 1,8 Kohm ½5% 0,33W Philips 2322 181 53123 R116 Resistor 1,8 Kohm ½5% 0,33W Philips 2322 181 53182 R117 Resistor 20 ohm ½5% 0,33W Philips 2322 181 53182 R118 Resistor 1,8 Kohm ½5% 0,33W Philips 2322 181 53182 R119 Resistor 20 ohm ½5% 0,33W Philips 2322 181 53182 R119 Resistor 56 Kohm ½5% 0,33W Philips 2322 181 53182 R119 Resistor 56 Kohm ½5% 0,33W Philips 2322 181 53182 R120 Resistor 10 Kohm ½5% 0,33W Philips 2322 181 53182 R121 Resistor 56 Kohm ½5% 0,33W Philips 2322 181 53163 R122 Resistor 10 Kohm ½5% 0,33W Philips 2322 181 53163 R123 Resistor 68 ohm ½5% 0,33W Philips 2322 181 53100 R124 Resistor 10 Kohm ½5% 0,33W Philips 2322 181 53100 R125 Resistor 10 Kohm ½5% 0,33W Philips 2322 181 53100 R126 Resistor 10 Kohm ½5% 0,33W Philips 2322 181 53100 R127 Resistor 10 Kohm ½5% 0,33W Philips 2322 181 53100 R128 Resistor 10 Kohm ½5% 0,33W Philips 2322 181 53100 R129 Resistor 10 Kohm ½5% 0,33W Philips 2322 181 53100 R120 Resistor 10 Kohm ½5% 0,33W Philips 2322 181 53100 R121 Resistor 10 Kohm ½5% 0,33W Philips 2322 181 53100 R122 Resistor 10 Kohm ½5% 0,33W Philips 2322 181 53100 R123 Resistor 10 Kohm ½5% 0,33W Philips 2322 181 53100 R126 Resistor 10 Kohm ½5% 0,33W Philips 2322 181 53100 R127 Resistor 10 Kohm ½5% 0,33W Philips 2322 181 53100 R136 Resistor 12 Ohm ½5% 0,33W Philips 2322 181 53100 R137 Resis							1		
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R111 Resistor 3,3 Kohm ±5% 0,33W Philips 2322 181 53332 R112 Resistor 10 Kohm ±5% 0,33W Philips 2322 181 53322 R113 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R114 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53221 R115 Resistor 1,8 Kohm ±5% 0,33W Philips 2322 181 53182 R116 Resistor 1,8 Kohm ±5% 0,33W Philips 2322 181 53182 R117 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53182 R118 Resistor 220 kohm ±5% 0,33W Philips 2322 181 53221 R118 Resistor 220 kohm ±5% 0,33W Philips 2322 181 53221 R119 Resistor 56 Kohm ±5% 0,33W Philips 2322 181 53224 R119 Resistor 560 ohm ±5% 0,33W Philips 2322 181 53663 R120 Resistor 100 Kohm ±5% 0,33W Philips 2322 181 53104 R121 Resistor 100 Kohm ±5% 0,33W Philips 2322 181 53103 R122 Resistor 10 Kohm ±5% 0,33W Philips 2322 181 53103 R123 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53689 R124 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53689 R125 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53689 R126 Resistor 2,7 ohm ±5% 0,33W Philips 2322 181 53689 R127 Resistor 10 ohm ±5% 0,33W Philips 2322 181 53109 R128 Resistor 2,7 ohm ±5% 0,33W Philips 2322 181 53109 R129 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53109 R120 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53109 R121 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53109 R122 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R133 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R134 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R135 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R136 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 20 ohm ±5% 0,33W Philips 2322 181 53392 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 20 ohm ±5% 0,33W Philips 2322 181 53392 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53392 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53392 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53392 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53392	R 109	Resistor				O,33W	Philips	2322 181 53101	
R112 Resistor 10 Kohm ±5% 0,33W Philips 2322 181 53103 R113 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R114 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53221 R115 Resistor 1,8 Kohm ±5% 0,33W Philips 2322 181 53182 R116 Resistor 1,8 Kohm ±5% 0,33W Philips 2322 181 53182 R117 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53221 R118 Resistor 220 kohm ±5% 0,33W Philips 2322 181 53221 R119 Resistor 56 Kohm ±5% 0,33W Philips 2322 181 53224 R119 Resistor 560 ohm ±5% 0,33W Philips 2322 181 53563 R120 Resistor 100 Kohm ±5% 0,33W Philips 2322 181 53601 R121 Resistor 100 Kohm ±5% 0,33W Philips 2322 181 53103 R122 Resistor 10 Kohm ±5% 0,33W Philips 2322 181 53689 R124 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53689 R125 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53689 R126 Resistor 2,7 ohm ±5% 0,33W Philips 2322 181 53689 R127 Resistor 10 ohm ±5% 0,33W Philips 2322 181 53109 R128 Resistor 2,7 ohm ±5% 0,33W Philips 2322 181 53109 R129 Resistor 10 ohm ±5% 0,33W Philips 2322 181 53109 R129 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53109 R130 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53109 R131 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53109 R132 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R133 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R134 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R135 Resistor 20 ohm ±5% 0,33W Philips 2322 181 53392 R136 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 20 ohm ±5% 0,33W Philips 2322 181 53392 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 20 ohm ±5% 0,33W Philips 2322 181 53392 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279	R 1 10	Resistor				O,33W	Philips	2322 181 53123	
R113 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R114 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53221 R115 Resistor 1,8 Kohm ±5% 0,33W Philips 2322 181 53182 R116 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53182 R117 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53221 R118 Resistor 220 Kohm ±5% 0,33W Philips 2322 181 53221 R119 Resistor 56 Kohm ±5% 0,33W Philips 2322 181 53224 R119 Resistor 560 ohm ±5% 0,33W Philips 2322 181 53563 R120 Resistor 100 Kohm ±5% 0,33W Philips 2322 181 53104 R121 Resistor 100 Kohm ±5% 0,33W Philips 2322 181 53103 R122 Resistor 10 Kohm ±5% 0,33W Philips 2322 181 53103 R123 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53689 R124 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53109 R125 Resistor 10 ohm ±5% 0,33W Philips 2322 181 53109 R126 Resistor 2,7 ohm ±5% 0,33W Philips 2322 181 53109 R127 Resistor 10 ohm ±5% 0,33W Philips 2322 181 53109 R128 Resistor 2,7 ohm ±5% 0,33W Philips 2322 181 53109 R129 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53109 R130 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53109 R131 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53129 R133 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53392 R134 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R135 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R136 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 20 ohm ±5% 0,33W Philips 2322 181 53392 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53392 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53392 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53392 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53392 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53392 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279	R111	Resistor	3,3	Kohm	* 5%	0,33W	Philips	2322 181 53332	
## Resistor	R112	Resistor	10			O,33W	Philips	2322 181 53103	
R115 Resistor 1,8 Kohm ±5% 0,33W Philips 2322 181 53182 R116 Resistor 1,8 Kohm ±5% 0,33W Philips 2322 181 53182 R117 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53221 R118 Resistor 220 Kohm ±5% 0,33W Philips 2322 181 53224 R119 Resistor 56 Kohm ±5% 0,33W Philips 2322 181 53224 R119 Resistor 56 Kohm ±5% 0,33W Philips 2322 181 53563 R120 Resistor 100 Kohm ±5% 0,33W Philips 2322 181 53104 R121 Resistor 100 Kohm ±5% 0,33W Philips 2322 181 53103 R122 Resistor 10 Kohm ±5% 0,33W Philips 2322 181 53103 R123 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53689 R124 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53109 R125 Resistor 10 ohm ±5% 0,33W Philips 2322 181 53109 R126 Resistor 2,7 ohm ±5% 0,33W Philips 2322 181 53109 R127 Resistor 10 ohm ±5% 0,33W Philips 2322 181 53109 R128 Resistor 2,7 ohm ±5% 0,33W Philips 2322 181 53109 R129 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53689 R130 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53689 R131 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53689 R132 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53689 R133 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53129 R134 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R135 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R136 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 20 ohm ±5% 0,33W Philips 2322 181 53392 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 20 ohm ±5% 0,33W Philips 2322 181 53392 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279	R113	Resistor	27			O,33W	Philips	2322 181 53279	
R116 Resistor 1,8 Kohm ±5% 0,33W Philips 2322 181 53182 R117 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53221 R118 Resistor 220 Kohm ±5% 0,33W Philips 2322 181 53224 R119 Resistor 56 Kohm ±5% 0,33W Philips 2322 181 53224 R119 Resistor 56 Kohm ±5% 0,33W Philips 2322 181 5363 R120 Resistor 100 Kohm ±5% 0,33W Philips 2322 181 53104 R121 Resistor 100 Kohm ±5% 0,33W Philips 2322 181 53103 R122 Resistor 10 Kohm ±5% 0,33W Philips 2322 181 53103 R123 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53689 R124 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53689 R125 Resistor 10 ohm ±5% 0,33W Philips 2322 181 53109 R126 Resistor 2,7 ohm ±5% 5 W Philips 2322 181 53109 R127 Resistor 10 ohm ±5% 0,33W Philips 2322 181 53109 R128 Resistor 2,7 ohm ±5% 0,33W Philips 2322 181 53109 R129 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53109 R129 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53129 R130 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53329 R131 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53329 R132 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R133 Resistor 7 Potentiometer 220 ohm ±20% R134 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R135 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R136 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53392 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53392 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53221 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53229 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53229 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53229 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53229 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53229	R114	Resistor				O,33W	Philips	2322 181 53221	
R117 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53221 R118 Resistor 220 Kohm ±5% 0,33W Philips 2322 181 53224 R119 Resistor 56 Kohm ±5% 0,33W Philips 2322 181 53563 R120 Resistor 560 ohm ±5% 0,33W Philips 2322 181 53601 R121 Resistor 100 Kohm ±5% 0,33W Philips 2322 181 53104 R122 Resistor 10 Kohm ±5% 0,33W Philips 2322 181 53103 R123 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53103 R124 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53689 R125 Resistor 10 ohm ±5% 0,33W Philips 2322 181 53689 R126 Resistor 2,7 ohm ±5% 0,33W Philips 2322 181 53109 R127 Resistor 10 ohm ±5% 0,33W Philips 2322 181 53109 R128 Resistor 2,7 ohm ±5% 0,33W Philips 2322 181 53109 R129 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53109 R129 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53109 R130 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53129 R131 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53129 R132 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R133 Resistor Potentiometer 220 ohm ±20% R134 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R135 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R136 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53392 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279	R115	Resistor	1,8	Kohm	- 5%	O,33W	Philips	2322 181 53182	
R118 Resistor 220 Kohm -5%	R116	Resistor	1,8			O,33W	Phil i ps ,	2322 181 53182	,
R119 Resistor 56 Kohm ±5%	R117	Resistor				O,33W	Philips	2322 181 53221	
R120 Resistor 560 ohm ±5%	R118	Resistor				O,33W	Philips	2322 181 53224	
R121 Resistor 100 Kohm ±5% 0,33W Philips 2322 181 53104 R122 Resistor 10 Kohm ±5% 0,33W Philips 2322 181 53103 R123 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53689 R124 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53689 R125 Resistor 10 ohm ±5% 0,33W Philips 2322 181 53109 R126 Resistor 2,7 ohm ±5% 5 W Philips 2322 329 35278 R127 Resistor 10 ohm ±5% 0,33W Philips 2322 181 53109 R128 Resistor 2,7 ohm ±5% 5 W Philips 2322 329 35278 R129 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53129 R130 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53129 R131 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53129 R132 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R133 Resistor Potentiometer 220 ohm ±20% R134 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53331 R135 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R136 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53392 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53392 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53221 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53221 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279	R119	Resistor	56	Kohm	- 5%	O,33W	Philips	2322 181 53563	
R122 Resistor 10 Kohm ±5% 0,33W Philips 2322 181 53103 R123 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53689 R124 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53689 R125 Resistor 10 ohm ±5% 0,33W Philips 2322 181 53109 R126 Resistor 2,7 ohm ±5% 0,33W Philips 2322 329 35278 R127 Resistor 10 ohm ±5% 0,33W Philips 2322 329 35278 R128 Resistor 2,7 ohm ±5% 0,33W Philips 2322 329 35278 R129 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53109 R130 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53129 R131 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53129 R132 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53392 R133 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R134 Resistor 30 ohm ±5% 0,33W Philips 2322 181 53391 R135 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R136 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53392 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53221 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53221 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279	R120	Resistor				1,6 W	Philips	2322 191 35601	
R123 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53689 R124 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53689 R125 Resistor 10 ohm ±5% 0,33W Philips 2322 181 53109 R126 Resistor 2,7 ohm ±5% 0,33W Philips 2322 329 35278 R127 Resistor 10 ohm ±5% 0,33W Philips 2322 181 53109 R128 Resistor 2,7 ohm ±5% 5 W Philips 2322 329 35278 R129 Resistor 68 ohm ±5% 0,33W Philips 2322 329 35278 R130 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53689 R130 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53129 R131 Resistor 12 ohm ±5% 1,6 W Philips 2322 181 53392 R132 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R133 Resistor Potentiometer 220 ohm ±20% R134 Resistor 33 ohm ±5% 0,33W Philips 2322 181 53331 R135 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R136 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53221 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279	R121	Resistor				O,33W	Philips	2322 181 53104	
R124 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53689 R125 Resistor 10 ohm ±5% 0,33W Philips 2322 181 53109 R126 Resistor 2,7 ohm ±5% 5 W Philips 2322 329 35278 R127 Resistor 10 ohm ±5% 0,33W Philips 2322 181 53109 R128 Resistor 2,7 ohm ±5% 5 W Philips 2322 329 35278 R129 Resistor 68 ohm ±5% 0,33W Philips 2322 329 35278 R130 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53689 R131 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53129 R131 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53129 R132 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R133 Resistor Potentiometer 220 ohm ±20% R134 Resistor 33 ohm ±5% 0,33W Philips 2322 181 53331 R135 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R136 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53221 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279	R122	Resistor	10			O,33W	Philips	2322 181 53103	
R125 Resistor 10 ohm ±5% 0,33W Philips 2322 181 53109 R126 Resistor 2,7 ohm ±5% 5 W Philips 2322 329 35278 R127 Resistor 10 ohm ±5% 0,33W Philips 2322 181 53109 R128 Resistor 2,7 ohm ±5% 5 W Philips 2322 329 35278 R129 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53689 R130 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53129 R131 Resistor 12 ohm ±5% 1,6 W Philips 2322 181 53129 R132 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R133 Resistor Potentiometer 220 ohm ±20% R134 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53331 R135 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R136 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53392 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53221 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279	R123	Resistor	68			0,33W	Philips	2322 181 53689	,
R126 Resistor 2,7 ohm ±5% 5 W Philips 2322 329 35278 R127 Resistor 10 ohm ±5% 0,33W Philips 2322 181 53109 R128 Resistor 2,7 ohm ±5% 5 W Philips 2322 329 35278 R129 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53689 R130 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53129 R131 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53129 R132 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R133 Resistor Potentiometer 220 ohm ±20% R134 Resistor 33 ohm ±5% 0,33W Philips 2322 181 53331 R135 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53331 R136 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53279 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279	R124	Resistor	68			O,33W	Philips	2322 181 53689	
R127 Resistor 10 ohm ±5% 0,33W Philips 2322 181 53109 R128 Resistor 2,7 ohm ±5% 5 W Philips 2322 329 35278 R129 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53689 R130 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53129 R131 Resistor 12 ohm ±5% 1,6 W Philips 2322 181 53129 R132 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R133 Resistor Potentiometer 220 ohm ±20% R134 Resistor 33 ohm ±5% 0,33W Philips 2322 181 53331 R135 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R136 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53221 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279			10			O,33W	Philips	2322 181 53109	
R128 Resistor 2,7 ohm ±5% 5 W Philips 2322 329 35278 R129 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53689 R130 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53129 R131 Resistor 12 ohm ±5% 1,6 W Philips 2322 181 53129 R132 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R133 Resistor Potentiometer 220 ohm ±20% R134 Resistor 33 ohm ±5% 0,33W Philips 2322 181 53331 R135 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R136 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53392 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53221 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279		Resistor				5 W	Philips	2322 329 35278	
R129 Resistor 68 ohm ±5% 0,33W Philips 2322 181 53689 R130 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53129 R131 Resistor 12 ohm ±5% 1,6 W Philips 2322 191 31209 R132 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R133 Resistor Potentiometer 220 ohm ±20% R134 Resistor 33 ohm ±5% 0,33W Philips 2322 181 53331 R135 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R136 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53392 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53221 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279						O,33W	Philips	2322 181 53109	
R130 Resistor 12 ohm ±5% 0,33W Philips 2322 181 53129 R131 Resistor 12 ohm ±5% 1,6 W Philips 2322 191 31209 R132 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R133 Resistor Potentiometer 220 ohm ±20% R134 Resistor 33 ohm ±5% 0,33W Philips 2322 181 53331 R135 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R136 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53221 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279	R128	Resistor	2,7			5 W	Philips	2322 329 35278	
R131 Resistor 12 ohm ±5% 1,6 W Philips 2322 191 31209 R132 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R133 Resistor Potentiometer 220 ohm ±20% Noble TM8KV2-1S/220 R134 Resistor 33 ohm ±5% 0,33W Philips 2322 181 53331 R135 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R136 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53221 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279	R129	Resistor	68			O,33W	Philips	2322 181 53689	
R132 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R133 Resistor Potentiometer 220 ohm ±20% Noble TM8KV2-1S/220 R134 Resistor 33 ohm ±5% 0,33W Philips 2322 181 53331 R135 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R136 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53221 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279		Resistor				O,33W	Philips	2322 181 53129	
R133 Resistor Potentiometer 220 ohm ±20% R134 Resistor 33 ohm ±5% R135 Resistor 3,9 Kohm ±5% R136 Resistor 3,9 Kohm ±5% R137 Resistor 220 ohm ±5% R138 Resistor 27 ohm ±5% R139 Resistor 27 ohm ±5%						1,6 W	Philips	2322 191 31209	-
R134 Resistor 33 ohm ±5% 0,33W Philips 2322 181 53331 R135 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R136 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53221 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279		Resistor					Philips	2322 181 53392	
R135 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R136 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53221 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279		1				220 ohm - 20%	Noble	TM8KV2-1S/220	
R136 Resistor 3,9 Kohm ±5% 0,33W Philips 2322 181 53392 R137 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53221 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279						O,33W	Philips	2322 181, 53331	
R137 Resistor 220 ohm ±5% 0,33W Philips 2322 181 53221 R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279		Resistor				O,33W	Philips	2322 181 53392	
R138 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279 R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279	R136	Resistor	3,9			O,33W	Philips	2322 181 53392	
R139 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279	R137	Resistor	220			· 0,33W	Philips	2322 181 53221	
+	R138	Resistor	27	ohm	- 5%	O,33W	Philips	2322 181 53279	
R140 Resistor 27 ohm ±5% 0,33W Philips 2322 181 53279	R139	Resistor	27	ohm	* 5%	0,33W	Philips	2322 181 53279	
	R140	Resistor	27	ohm	- 5%	O,33W	Philips	2322 181 53279	
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		POWER SUPPLY CONTROL UNIT N1409		, 		2/5
Symbol		Description		Manufact.		
		_				
R141	Resistor	120 Kohm ±5%	0,33W	Philips	2322 181 53124	
R142	Resistor	1,8 Kohm ±5%	0,33W	Philips	2322 181 53182	
R143	Resistor	3,9.Kohm ±5%	0,33W	Philips	2322 181 53392	
R 144	Resistor	Potentiometer 1 Kohm +20%		Noble	TM8KV2-1S/1K	
R 145	Resistor	390 ohm ±5%	1,6 W	Philips	2322 191 33901	
R 146	Resistor	1,5 Kohm - 5%	0,33W	Philips	2322 181 53152	
R 147	Resistor	2,7 Kohm ±5%	0,33W	Philips	2322 181 53272	
R148	Resistor	10 Kohm ±5%	0,33W	Philips	2322 181 53103	-
R 149	Resistor	8,06 Kohm +1%	0,4 W	Philips	2322 151 58062	
R 150	Resistor	100 ohm ±5%	1,6 W	Philips	2322 191 31001	
R 15 1	Resistor	680 ohm - 5%	0,33W	Philips	2322 181 53681	
R 152	Resistor	1 Mohm ±5%	0,33W	Philips	2322 181 53105	
R153	Resistor	2,2 Kohm * 5%	0,33W	Philips	2322 181 53222	
R 154	Resistor	Potentiometer 2,2 Kohm ±20%		Noble	TM8KV2-1S/2K2	
R 155	Resistor	1 Kohm * 5% .	0,33W	Philips	2322 181 53102	
R 156	Resistor	4,53 Kohm ±1%	0,4 W	Philips	2322 151 54532	
R 157	Resistor	560 ohm * 5%	0,33W	Philips	2322 181 53561	
R 158	Resistor	100 Kohm ±5%	0,33W	Philips	2322 181 53104	
R 159	Resistor	22 Kohm ±5%	0,33W	Philips	2322 181 53223	
R160	Resistor	68 Kohm * 5%	0,33W	Philips	2322 181 53683	
R 161	Resistor	18 Kohm ⁺ 5%	0,33W	Philips	2322 181 53183	
R162	Resistor	820 ohm * 5%	0,33W	Philips	2322 181 53821	
R 163	Resistor	470 ohm * 5%	0,33W	Philips	2322 181 53471	
R 164	Resistor	3,9 Kohm - 5%	0,33W	Philips	2322 181 53392	
R 165	Resistor	Potentiometer 1 Kohm +10%		Noble	TM8KV2-1S/1K -	
R 166	Resistor	620 ohm * 5%	0,33W	Philips	2322 181 53621	, .
R 167	Resistor	10 Kohm ±5%	0,33W	Philips	2322 181 53103	
R 168	Resistor	1,2 Kohm ±5%	0,33W	Philips	2322 181 53122	
R 169	Resistor	Potentiometer 2,2 Kohm +20%		Noble	TM8KV2-1S/2K2	
R 170	Resistor	22 Kohm - 5%	0,33W	Philips	2322 181 53223	
R 17 1	Resistor	2,7 Kohm ±5%	0,33W	Philips	2322 181 53272	
R172	Resistor	4,7 Kohm +5%	0,33W	Philips	2322 181 53472	
R 173	Resistor	18 Kohm ± 5%	0,33W	Philips	2322 181 53183	
R 174	Resistor	15 Kohm ± 5%	0,33W	Philips	2322 181 53153	
R175	Resistor	18 Kohm ±5%	0,33W	Philips	2322 181 53183	
R 176	, Resistor	2,2 Kohm +5%	0,33W	Philips	2322 181 53222	
		,,	0,55	111111111111111111111111111111111111111	2322 101 33222	

	POWER SUPPLY CONTROL UNIT N 1409				N 1409		3/5
Symbol		Descrip	otion			Manufact.	
C 10 1	Capacitor	MKT	100nF	±20%	100V	ERO	MKT 1818 410 016
C 10 2	Capacitor	Electrolytic		±20%	25 V	ROE	EKI 00 AA 222 E
C 103	Capacitor	MKT	100nF		100V	ERO	MKT 1818 410 016
C 104	Capacitor	MKT	100nF		100V	ERO	MKT 1818 410 016
C 104	Capacitor	Electrolytic		±20%	35V	ROE	1
C 106	Capacitor	MKT	2,2nF		400V	Siemens	EKI 00 AA 210 F
C107	Capacitor	Electrolytic	1,5uF			ROE	B32510-D6222-K
- C108	Capacitor	MKT	2,2nF		50V		EKI 00 AA 115 H
	'		2,211F		400V	Siemens	B32510-D6222-K
C109	Capacitor	MKT		±20%	1000	ERO	MKT 1818 410 016
C110	Capacitor	Electrolytic			25 V	ROE	EKI OO AA 222 E
C111	Capacitor	MKT	2,2nF		400V	Siemens	B32510-D6 2 22-K
C112	Capacitor	MKT		±20%	250V	ERO	MKT 1818 310 256
C113	Capacitor	MKT	220nF		63V	ERO	MKT 1818 422 066
C114	Capacitor	MKT	100nF		100V	ERO	MKT 1818 410 016
C115	Capacitor,	MKT	2,2uF		63V	ERO	MKT 1822 522 065
C116	Capacitor	MKT	2,2uF	-10%	63V	ERO	MKT 1822 522 065
C117	Capacitor	Electrolytic	100uF	+	25 V	ROE	EKM 00 CC 310 E
C118	Capacitor	MKT	2,2uF		63V	ERO	MKT 1822 522 065
C119	Capacitor	MKT	100nF		100V	ERO	MKT 1818 410 016
C120	Capacitor	MKT	4,7nF		400V	Siemens	B32510-D6472-K
C121	Capacitor	Electrolytic		±20%	10V	ROE	EKI OO AA 247 E
C122	Capacitor	MKT	220nF		63V	ERO	MKT 1818 422 066
C 123	Capacitor	MKT	220nF		63V	ERO	MKT 1818 422 066
C124	Capacitor	Electrolytic		±20%	35V	ROE	EKI OO AA 210 F
C125	Capacitor	Electrolytic	220uF	+	10V	ROE	EKM 00 CC 322 C
C126	Capacitor	Electrolytic		±20%	35V	ROE	EKI 00 AA 210 F
C127	Capacitor	MKT		±10%	250V	ERO	MKT 1818 322 255
C128	Capacitor	MKT	2,2nF		400 V	Siemens	B32510-D6222-K
C 129	Capacitor	MKT	470nF		63V	ERO	MKT 1818 447 065
C130	Capacitor	MKT		±20%	100V	ERO	MKT 1818 410 016
C131	Capacitor	MKT		± 10%	250V	ERO	MKT 1818 315 255
C132	Capacitor	Electrolytic		±20%	35V	ROE	EKI 00 AA 210 F
C133	Capacitor	Electrolytic		±20%	35V	ROE	EKI 00 AA 210 F
C134	Capacitor	MKT	,	± 10%		Siemens	B32510-D6222-K
C135	Capacitor	MKT	2,2nF	- 10%	400V	Siemens	B32510-D6222-K

Symbol		Description		Manufact.		4/5
D 10 1	Diode, Zener	12V	2W	Thomson CSF	BZV47C12	
D 102	Diode, Silicon	120	2.14	Philips	BAV21	
D 103	Diode, Silicon			Philips	1N4 148	
D 104	Diode, Silicon			Philips	BAV21	
D 105	Diode, Silicon			Motorola		
D 106	Diode, Silicon			Motorola	1N4934	
D 100	Diode, Zener	9,1V	0,5W	Philips	1N4934	
D 107	Diode, Zener	J, 1V	0,5W	Philips	BZX79C9V1	•
D100	Diode, Silicon			Motorola	1N4 148	e-
D109	Diode, Silicon			Motorola	MR850	
D110	Diode, Silicon			Motorola	1N4934	
D1112	Diode, Silicon				MR850	
	Diode, Silicon			Motorola	1N4934	
D113 D114	Diode, Silicon			Motorola	1N4934	
D114 D115	Diode, Silicon			Motorola	1N4934	
D116	Diode, Germanium			Motorola	1N4934	
	Diode, Zener	1217	OL.	ITT	AA 143	
D117 D118	Diode, Zener	13V	2W	Thomson CSF	BZV74C13	
	Diode, Zener	24V	0,5W	Philips	BZX79C24	
D119 D120	Diode, Zener	7 511	0 54	Philips	1N4 148	
D120	Diode, Zener	7,5V 5,1V	0,5W 0,5W	Philips	BZV79C5V1	
D121	Diode, Zener	5,14	U,5W	Philips	BZX79C5V1	
משות	blode, Silicon			Philips	BAV21	
T 10 1	Transistor			Philips	BC548	
T 102	Transistor			Philips	BC548	
T 103	Transistor			Philips	BC547	
T 104	Transistor			Philips	BC547	
T 105	Transistor			Philips	BC547	
T 106	Transistor			Philips		
T 107	Transistor	•		Philips	BDX47	
T 108	Transistor				BDX47	
T 109	Transistor			Philips Philips	BD131	
T 110	Transistor			Philips	BD131	
T111	Transistor				BDX43	
T112	Transistor			Philips	BD131	
	Transistor			Philips	BC558	
T113				Philips	BC639	
T114	Transistor			Philips	BC640	
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	POWER SUPPLI CONTROL UNIT N 1409					
Symbol	Description	Manufact.				
T.0.10.1	Total and the second					
IC101	Integrated circuit	Siemens	TDA4718A			
IC102	Integrated circuit	Motorola	MC1455P1			
IC103	Integrated circuit	Philips	TDA 1060A			
IC 104	Integrated circuit	Motorola	MC1723CP			
IC 105	Integrated circuit	National	LM358N			
RE 10 1	Relay	Do ai	Ka ur brood			
RE 102	Relay	Pasi Pasi	KS/U BV998			
RE 103	Relay	Pasi	KH/A BV936			
RE 104	Relay	Pasi	KS/U BV998			
RE 105	Relay	Pasi	KH/A BV936 KS/U BV998			
1.2 109		1 451	K3/U DV996			
	•	\				
TR 10 1	Transformer	Tradania	TD 4418a			
TR 102	Transformer	Tradania	TD 4418a			
TR 103	Transformer	Tradania	TD 4418a			
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Symbol	Descri	ption		Manufact.	
R201	Resistor 3,9 Kohm +5%	<u> </u>	0,33₩	Philips	2322 181 53392
R202	Resistor 220 ohm ±5%		0,33W	Philips	2322 181 53221
R203	Resistor 3,3 Kohm ±5%		1,6W	Philips	2322 191 33302
R204	Resistor 56 ohm ±5%		1,6W	Philips	2322 191 35609
R205	Resistor 150 ohm ±5%	,	4W	Philips	2322 330 22151
R206	Resistor 13,3 mohm	*		S.P.	TL 380
R207	Resistor 1 Kohm ±5%	•	0,33W	Philips	2322 181 53102
R208	Resistor 0,12 ohm ±5%		Ж	Danotherm	VC3 - 0,12 ohm
C201	Capacitor MKT	220nF	100 V	Siemens	B32511-D1224-K
C202	Capacitor electrolytic	2200uF	40 V	FRAKO	EFI 2200uF 40V
C203	Capacitor MKT	220nF	100 V	Siemens	B32511-D1224-K
C204	Capacitor MKT	220nF	100 V	Siemens	B32511-D1224-K
C205	Capacitor electrolytic	470uF	40V	ROE	EB OO HE 347 G
C206	Capacitor electrolytic	2200uF	40 V	FRAKO	EFI 2200uF 40V
C207	Capacitor electrolytic	2200uF	40 V	FRAKO	EFI 2200uF 40V
C208	Capacitor electrolytic	2200uF	40 V	FRAKO	EFI 2200uF 40V
C209	Capacitor electrolytic	2200uF	40 V	FRAKO	EFI 2200uF 40V
C210	Capacitor electrolytic	2200uF	40 V	FRAKO	EFI 2200uF 40V
C211	Capacitor electrolytic	2200uF	40 V	FRAKO	EFI 2200uF 40V
C212	Capacitor electrolytic	100uF	63V	ROE	EB 00 GD 310 J
C213	Capacitor electrolytic	2200uF	16 V	ROE	EG OO KE 422 G
C214	Capacitor electrolytic	2200uF	16 V	ROE	EG 00 KE 422 G
C215	Capacitor electrolytic	2200uF	25 V	ROE	EG 00 KG 422 F
C216	Capacitor electrolytic	2200uF	25 V	ROE	EG OO KG 4 22 F
C217	Capacitor electrolytic	470uF	40 V	ROE	EB OO HE 347 G
C218	Capacitor MKT	100nF ±20%	100 V	ERO	MKT 1818 410 016
C219	Capacitor MKT	100nF ±20%	100 V	ERO	MKT 1818 410 016
C220	Capacitor MKT	100nF ±20%		ERO	MKT 1818 410 016
C221	Capacitor MKT	100nF ±20%		ERO	MKT 1818 410 016
C222	Capacitor MKT	100nF ±20%		ERO	MKT 1818 410 016
C223	Capacitor MKT	100nF ±20%		ERO	MKT 1818 410 016
C224	Capacitor MKT	100nF ±20%	100 V	ERO	MKT 1818 410 016
L201	Choke			Tradania	TD 4367
L202	Choke			Tradania	TD 2602
L203	Choke			S.P.	TL 079
L204	Choke			S.P.	TL 079
D201	Diode, bridge			General Instruments	2KBP005

Symbol	Description	Manufact.	
-			
D202	Diode, silicon	Motorola	BA 157
D203	Diode, silicon	Motorola	BA 157
D204	Diode, silicon	Motorola	MR 850
D205	Diode, silicon	Motorola	MR 850
.D206	Diode, silicon	Motorola	MR 850
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R301 Resistor 330 ohm ±5% 0,33W Philips 2322 181 53331 2322 Resistor 15 ohm ±5% 1,6W Philips 2322 191 31509 2322 191 35609 R303 Resistor .56 ohm ±5% 1,6W Philips 2322 191 35609 C301 Capacitor Polypropylen 1nF ±10% 2KV ERO Philips 2322 344 54 473 2222 344 54 473 2303 Capacitor Polypropylen 10nF ±10% 1,5KV ERO KP1832 310 155	Symbol		Description		Manufact.	1/1
R302 Resistor 15 ohm ±5% 1,6W Philips 2322 191 31509 R8303 Resistor .56 ohm ±5% 1,6W Philips 2322 191 31509 C301 Capacitor Polypropylen 1nF ±10% 2W Capacitor Polyester 47nF ±20% 400V Philips 2222 344 54 473 C303 Capacitor Polypropylen 10nF ±10% 1,5KV ERO KP1832 210 205 C304 Capacitor Polypropylen 10nF ±10% 1,5KV ERO FROM KP1832 310 155 D301 Diode, Silicon Philips BYV96D					munayaci.	
R302 Resistor 15 ohm ±5% 1,6W Philips 2322 191 31509 R8303 Resistor .56 ohm ±5% 1,6W Philips 2322 191 31509 C301 Capacitor Polypropylen 1nF ±10% 2W Capacitor Polyester 47nF ±20% 400V Philips 2222 344 54 473 C303 Capacitor Polypropylen 10nF ±10% 1,5KV ERO KP1832 210 205 C304 Capacitor Polypropylen 10nF ±10% 1,5KV ERO FROM KP1832 310 155 D301 Diode, Silicon Philips BYV96D	R301	Resistor	330 ohm - 5%	0,33W	Philips	2322 181 53331
R303 Resistor .56 ohm ±5% 1,6W Philips 2322 191 35609 C301 Capacitor Polypropylen 1nF ±10% 2KV C302 Capacitor Polypropylen 10nF ±20% 400V Philips 2222 344 54 473 C303 Capacitor Polypropylen 10nF ±10% 1,5KV ERO KP1832 310 195 D301 Diode, Silicon Philips BYV96D	R302	Resistor				l '
C301 Capacitor Polypropylen 1nF ±10% 2KV Capacitor Polyester 47nF ±20% 400V Philips 2222 344 54 473 Capacitor Polypropylen 10nF ±10% 1,5KV ERO Philips 2222 344 54 473 KP1832 310 155	R303	Resistor				
C302 Capacitor Polyester 47nF ±20% 400V Philips 2222 344 54 473 ERO KP1832 310 155 D301 Diode, Silicon Philips BYV96D						
C302 Capacitor Polyester 47nF ±20% 400V Philips 2222 344 54 473 ERO KP1832 310 155 D301 Diode, Silicon Philips BYV96D						
C302 Capacitor Polyester 47nF ±20% 400V Philips 2222 344 54 473 ERO KP1832 310 155 D301 Diode, Silicon Philips BYV96D					·	
C302 Capacitor Polyester 47nF ±20% 400V Philips 2222 344 54 473 ERO KP1832 310 155 D301 Diode, Silicon Philips BYV96D						`
C303 Capacitor Polypropylen 10nF ±10% 1,5KV ERO KP1832 310 155 D301 Diode, Silicon Philips BYV96D						
D301 Diode, Silicon Philips BYV96D						
	C303	Capacitor	Polypropylen 10nF -10%	1,5KV	ERO	KP 1832 310 155
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	D301	Diode, Sil	icon		Philips	BYV96D
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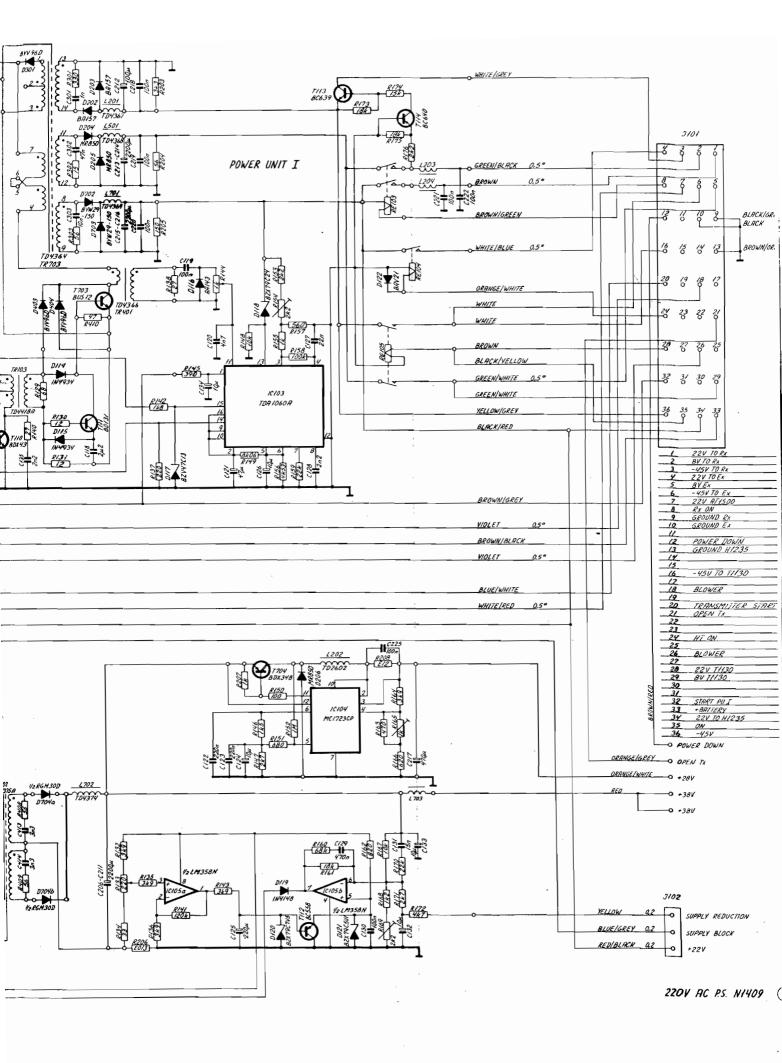
	CONNECTION BOARD II N1409			
Symbol	Description		Manufact.	
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R401	Resistor 6,8 ohm	25₹	Danotherm	GRF25L-6,8 ohm
R402	Resistor 22 ohm ±5%	0,5W	Philips	2322 182 53229
R403	Resistor 22 ohm ±5%	0,5W	Philips	2322 182 53229
R404	Resistor 56 ohm ±5%	10W	Danotherm	VC10-56 ohm
R405	Resistor 56 ohm ±5%	10W	Danotherm	VC10-56 ohm
R406	Resistor 82 Kohm ±5%	0,5W	Philips '	2322 182 53823
R407	Resistor 82 Kohm ±5%	0,5W	Philips	2322 182 53823
R408	Resistor 56 ohm ±5%	4W	Philips	2322-330 22561
R409	Resistor 56 ohm ±5%	4W	Philips	2322 330 22561
R4 10	Resistor 47 ohm ±5%	0,33W	Philips	2322 181 53471
			-	
C401	Capacitor Polypropylen 6,8nF ±10%	1 , 5KV	ERO	KP 1832 268 155
C402	Capacitor Polypropylen 6,8nF ±10%	1,5KV	ERO	KP1832 268 155
C403	Capacitor Polyester 1uF ±10%	250V	Philips	2222 34 1 89105
C404	Capacitor Polyester 1uF ±10%	250V	Philips	2222 34 1 89105
C405	Capacitor Polyester 1uF ±10%	250V	Philips	2222 34 1 89105
C406	Capacitor Polyester 1uF ±10%	250₹	Philips	2222 34 1 89 105
C407	Capacitor Polyester 1uF ±10%	250V	Philips	2222 34 1 89105
C408	Capacitor Polyester 1uF ±10%	250V	Philips	2222 34 1 89105
C409	Capacitor Polyester 1uF -10%	250 V	Philips	2222 34 1 89105
C4 10	Capacitor Polyester 1uF ±10%	250 V	Philips	2222 34 1 89105
C411	Capacitor Polyester 1uF ±10%	250V	Philips	2222 34 1 89105
C412	Capacitor Polyester 1uF ±10%	250V	Philips	2222 34 1 89105
C4 13	Capacitor Polypropylen 3,3nF +10%	1,5KV	ERO	KP 1832 233 155
C414	Capacitor Polypropylen 3,3nF ±10%	1,5KV	ERO	KP18 32 233 155
D401	Diode, Silicon		Motorola	MR917
D402	Diode, Silicon		Motorola	MR917
D403	Diode, Silicon		Philips	BYV96D.
D404	Diode, Silicon		Philips	BYV96D
D405	Diode, Silicon		Motorola	MR917
D406	Diode, Silicon		Motorola	MR917
TR401	Transformer		Tradania	TD4366

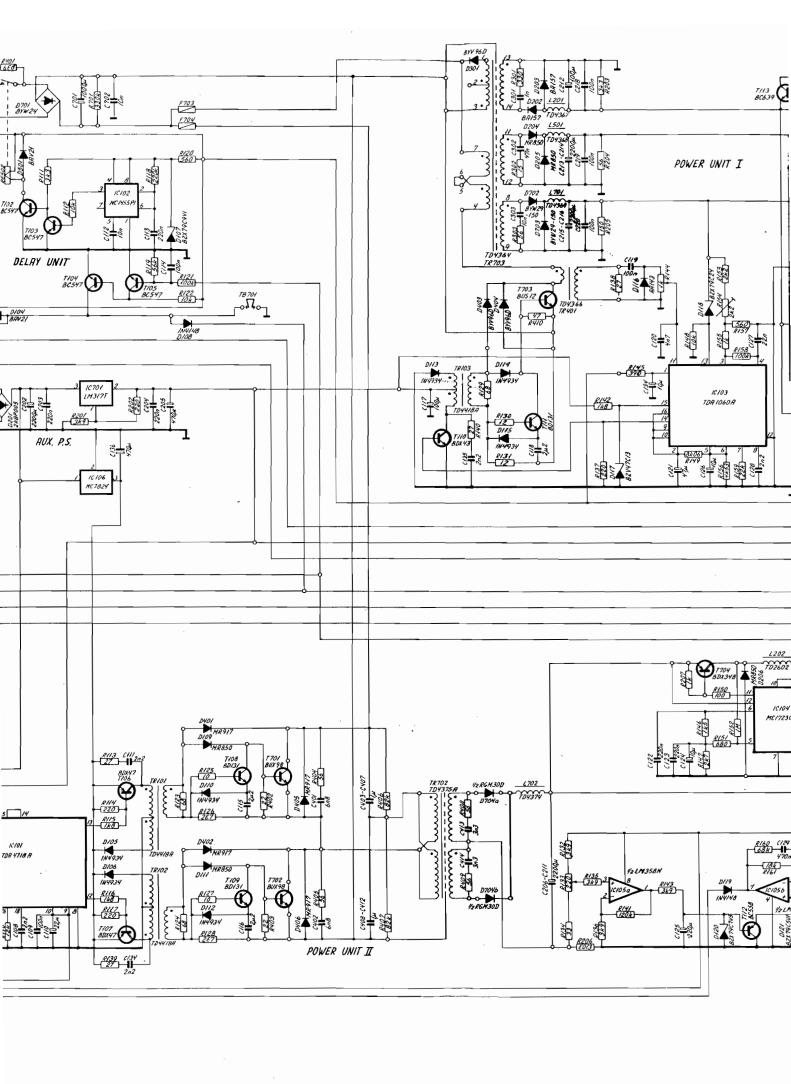
	INPUT RELAYS N1409		1/
Symbol	Description	Manufact.	
D501	Diode, Silicon	Philips	BAV21
L501	Choke	Tradania	TD4368
RE501 RE502	Relay Relay	Pasi Pasi	WSA/GD-10-C KH/A BV936
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	MAINS FILTER N1409				
Symbol	Description		Manufact.		
C60.1	Capacitor ceramic 4,7nF	5KV	Ferroperm	9/0138,9	
C602	Capacitor ceramic 4,7nF	5KV	Ferroperm	9/0138,9	
C603	Capacitor 1uF	250V AC	ERO	F1773-510-2000	
C604	Capacitor ceramic 4,7nF	5KV	Ferroperm	9/0138,9	
G605	Capacitor ceramic 4,7nF	5KV	Ferroperm	9/0138,9	
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TR601	Choke			TL 38 4	
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	Description			Manufact.	1/2
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R701	Resistor 330 Kohm ±5%	1	0,5W	Philips	2322 182 53334
C702	Capacitor polypropylen	10P	ا ا	,	
0/02	capacitor polypropylen	10nF	1,5₹	ERO	KP1832 310 155
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L701	Choke			Tradania	TD 4369
L702	Choke			Tradania	TD 4374
					12 1311
D701	Diode, bridge			Motorola	BYW 24
D702	Diode, silicon			Philips	BYW 29-150
D703	Diode, silicon			Philips	BYW 29-150
D704	Diode, double			General Instrument	RGM 3OD
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T701	Transistor		,	Thomas CSE	DIIV AO
T702	Transistor			Thomson CSF Thomson CSF	BUX 9 8 BUX 98
T703	Transistor			Philips	BUS 12
T704	Transistor			Motorola	BDX 34B
					3.2
IC701	Integrated circuit			National	LM 317T
TD701	The same of the same of	•			
TR701 TR702	Transformer Transformer			Tradania	TD 4441
TR702	Transformer			Tradania	TD 4375A
111/03	, anstormer			Tradania	TD 4364
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CHASSIS N1409 2/2								
Symbol	Desc	ription		Manufact.				
TB701	Thermal breaker			Elmwood	2455R-21-923			
	At 220V:							
C701	Capacitor electrolytic	1000uF	350V	FRAKO	EKBC 1000-350			
F701	Fuse	O,5A time lag	250 V	ELU	5x20 mm 0,5A			
F702	Fuse	6,0A time lag	250V	Little Fuse	3AB 314 006			
F703	Fuse	1,0A time lag	250V	ELU	5x20 mm 1,0A			
F704	Fuse	4,0A time lag	250 V	ELU	5x20 mm 4,0A			
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N1409

