

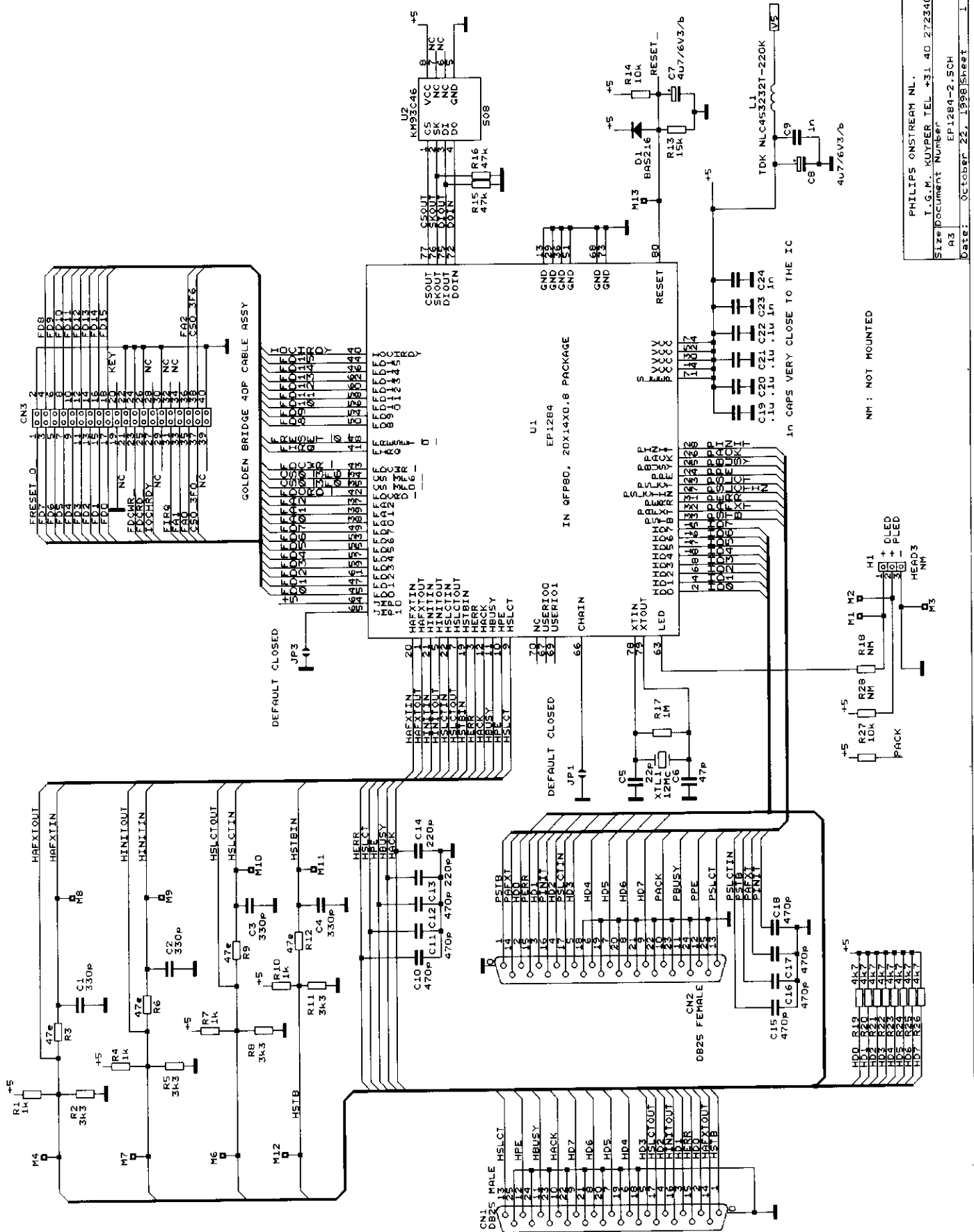
FCC ID: EENDP309807

Onstream product

EXHIBIT NEEDED FOR FCC CERTIFICATION

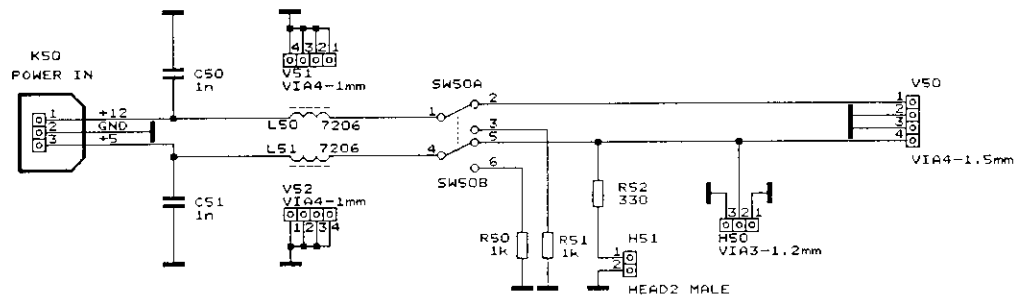
EUT: OnStream; Type: DP30

Schematic diagram

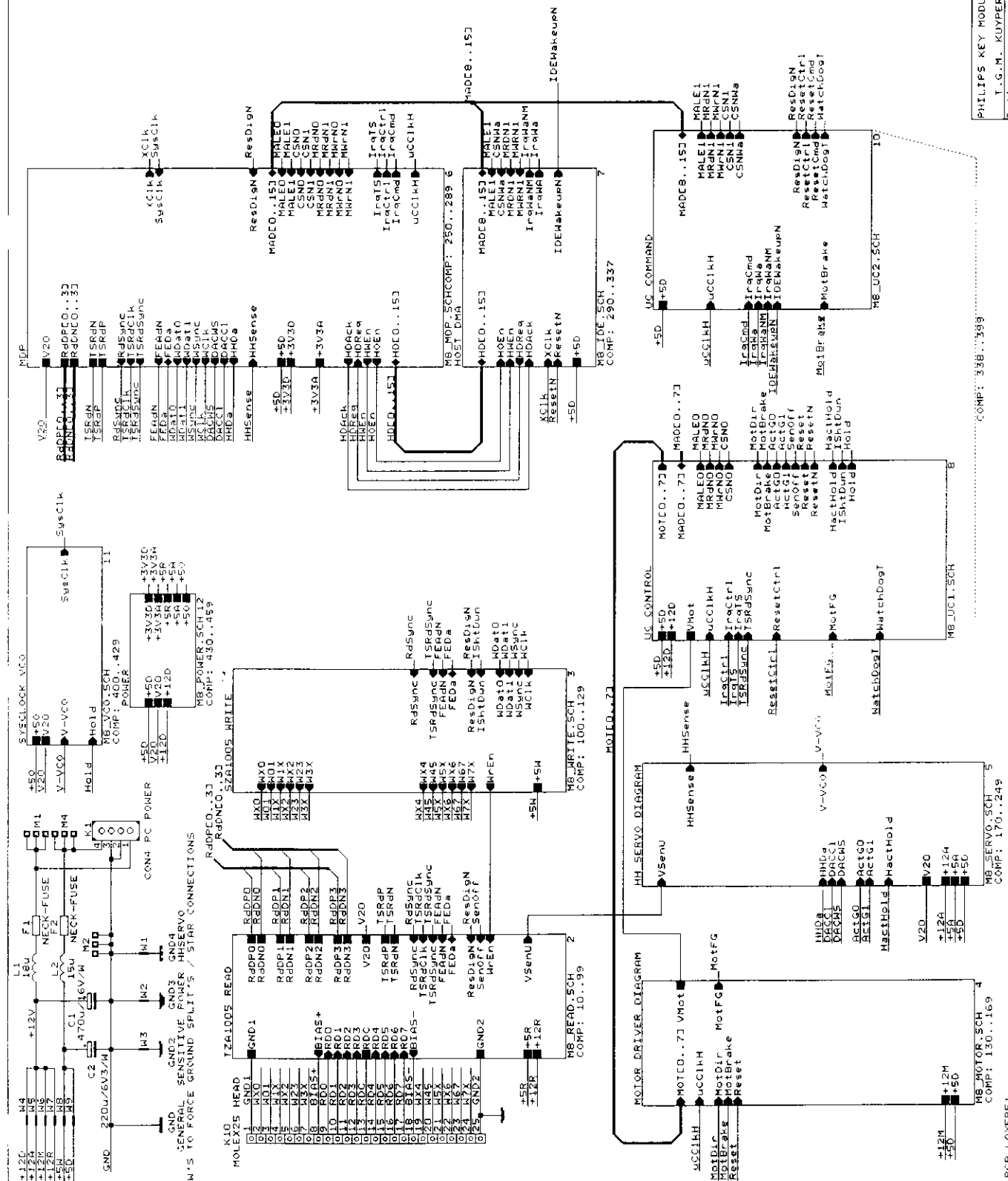


PHILIPS ONSTREAM NL.

I.G.M. KUYPER TEL +31 40 2723406
Size Document Number
A3
Date: October 22, 1998 Sheet 1 of 1



PHILIPS KEY MODULES - MAGNETIC RECORDING LAB		
I.G.M. KUYPER - OBC - TEL. +31 40 2723406		
Size	Document Number	REV
A4	EPP_PCB.SCH	1
Date:	April 29, 1998	Sheet of



PHILIPS KEY MODULES - MAGNETIC RECORDING LAB
I.G.M. KUYPER - DBC - TEL. +31 40 272275
Title _____
UPPER DIAGRAM OF DICAMAX APPLICATION BOARD
Size Document Number
A3 M8_APP.SCH
Date: May 15, 1998 Sheet 1 of 12

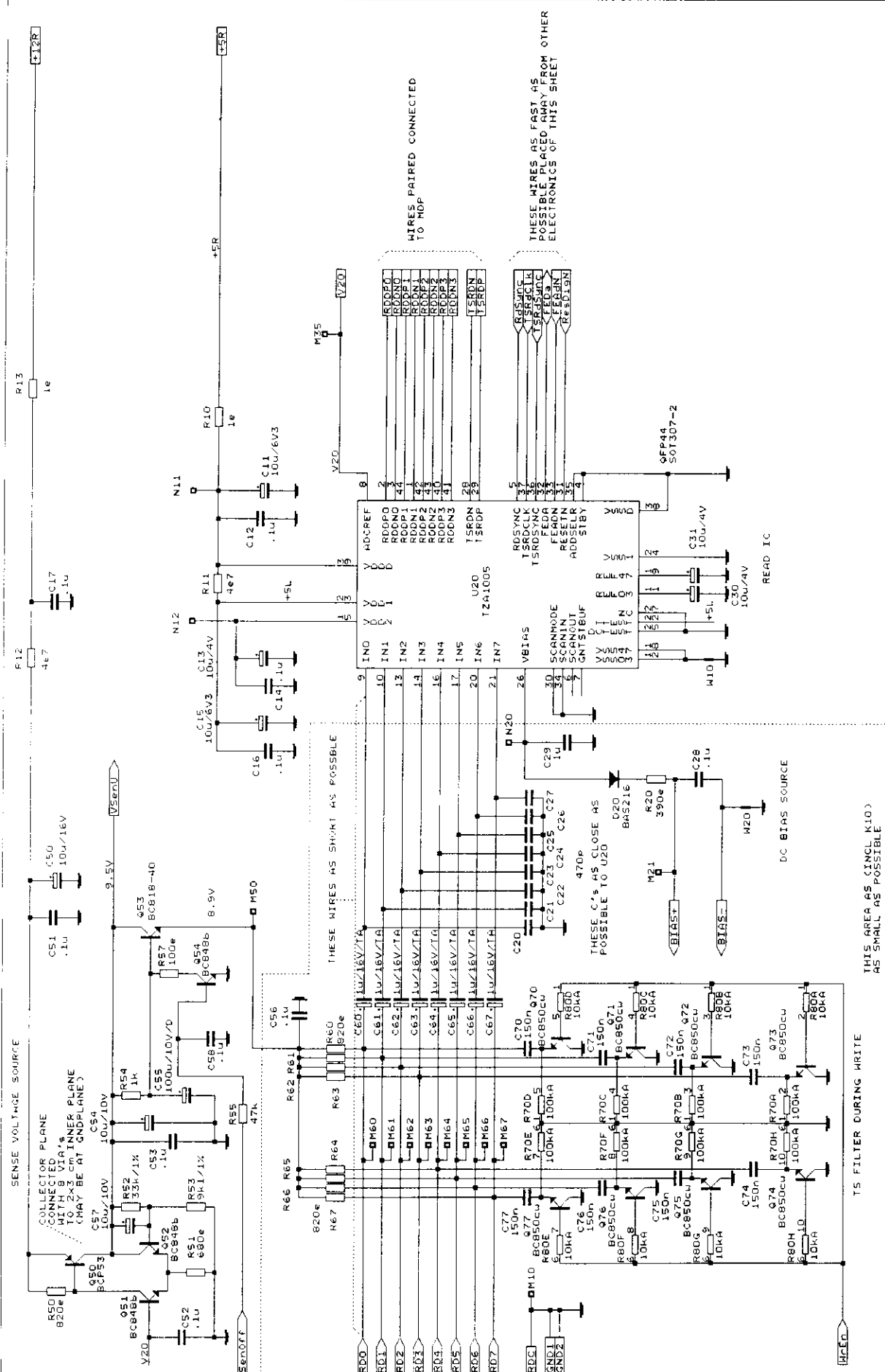
COMP: 338.399

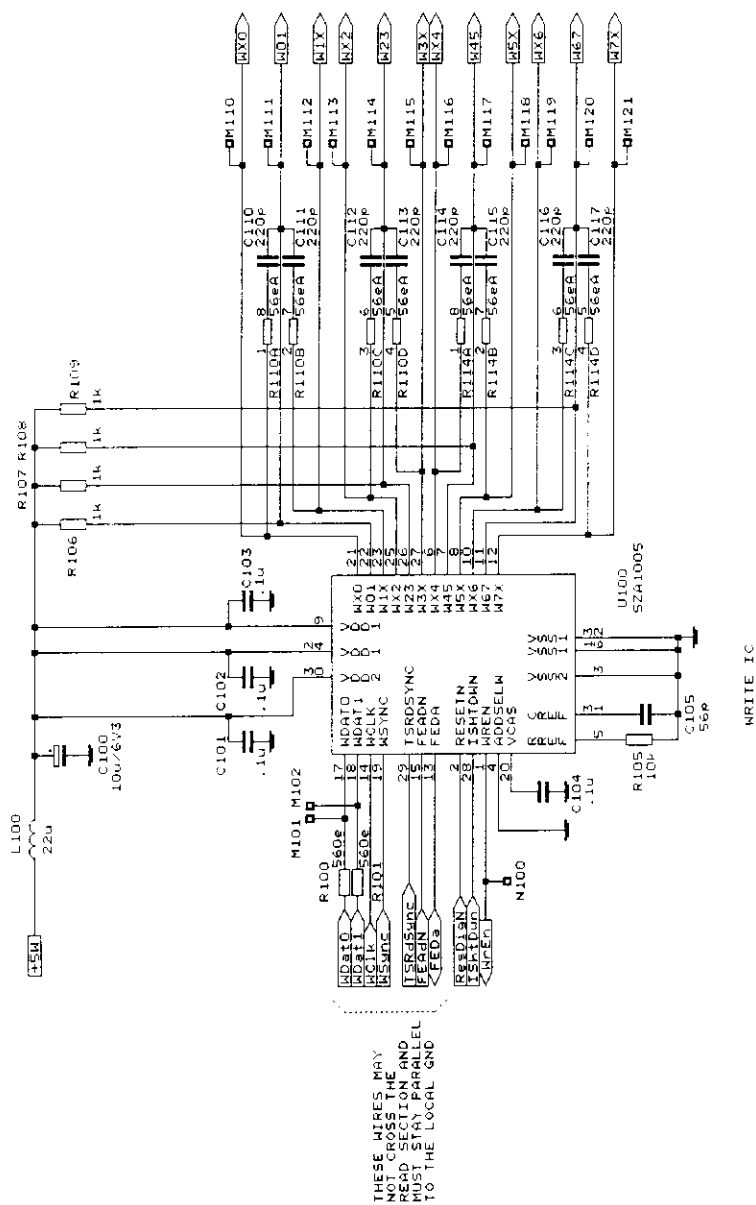
PCB LAYERS:

1: TOP; 2: SMD BUILDING HEIGHT), SMD COMPONENTS
3: ENL PLANE
4: ENL PLANE
5: PAPER PLANE, MOST POHRS AND MILLI-METERS HERE
6: PAPER PLANE, MOST POHRS AND MILLI-METERS HERE
7: BOTTOM; BUILDINGHEIGHT SEE DRAWING, SMD & WIRE COMPONENTS

COMP: 170...249

May 15, 1998 Sheet 1 of 12

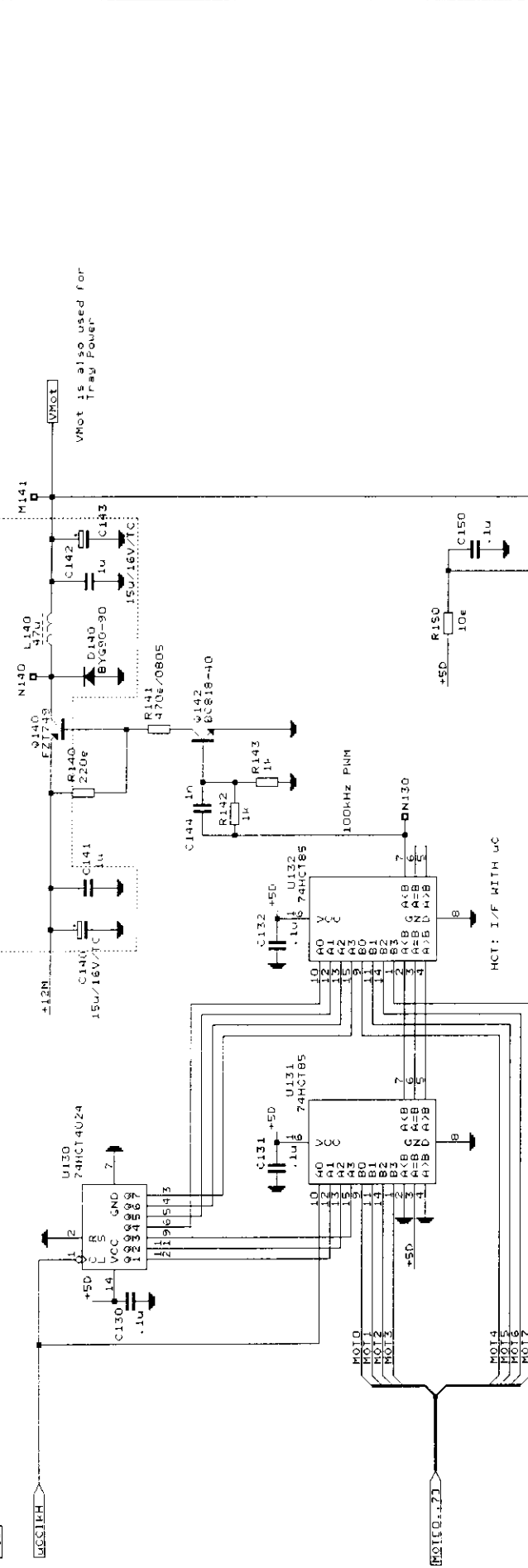


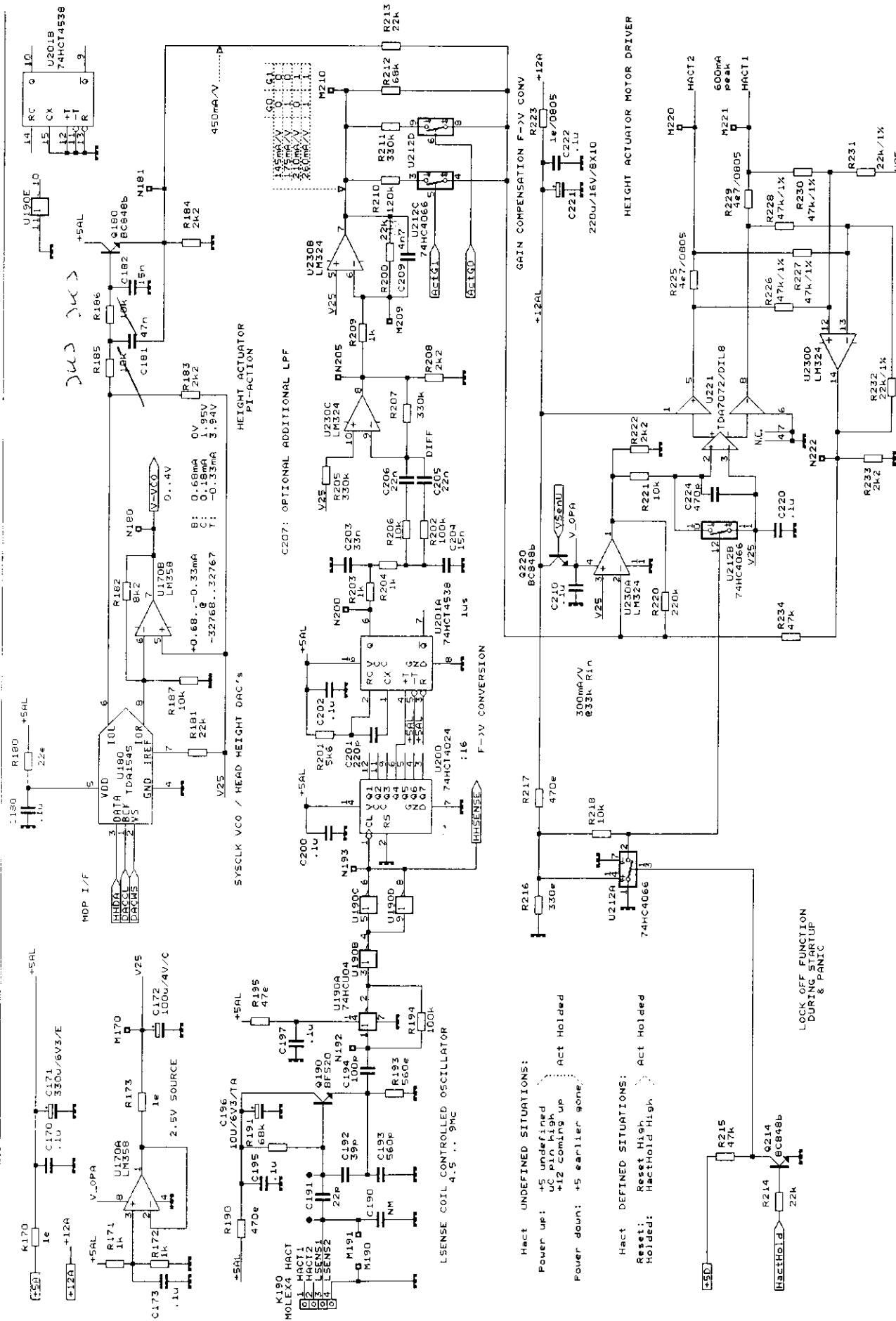


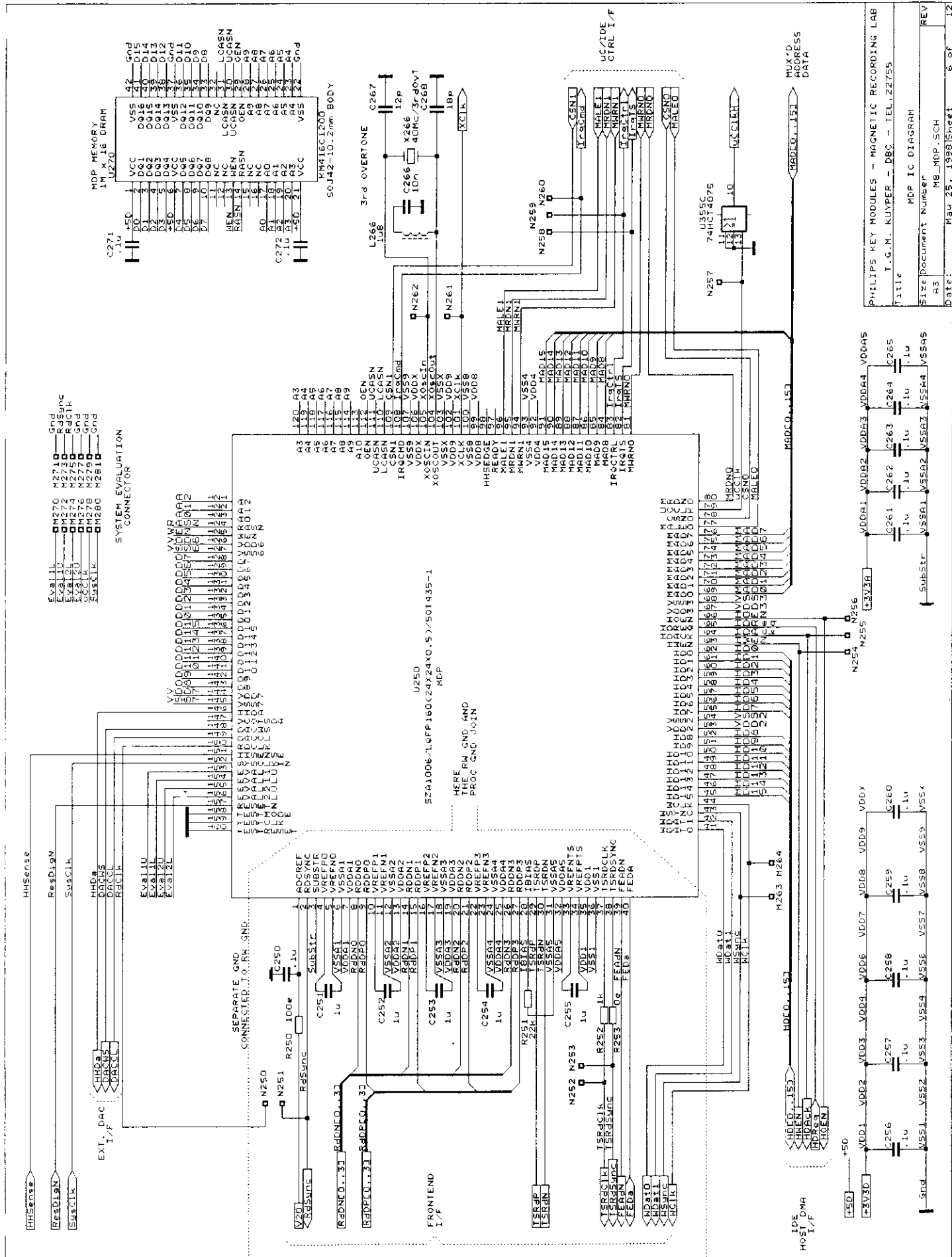
PHILIPS KEY MODULES - MAGNETIC RECORDING LAB	
T.G.M. KUYPER - DBC - TEL.22755	
Title	
WRITE AMPLIFIER DIAGRAM	
Size	Document Number
A3	MB_WRITE.SCH
Date:	April 6, 1998 Sheet 3 of 12

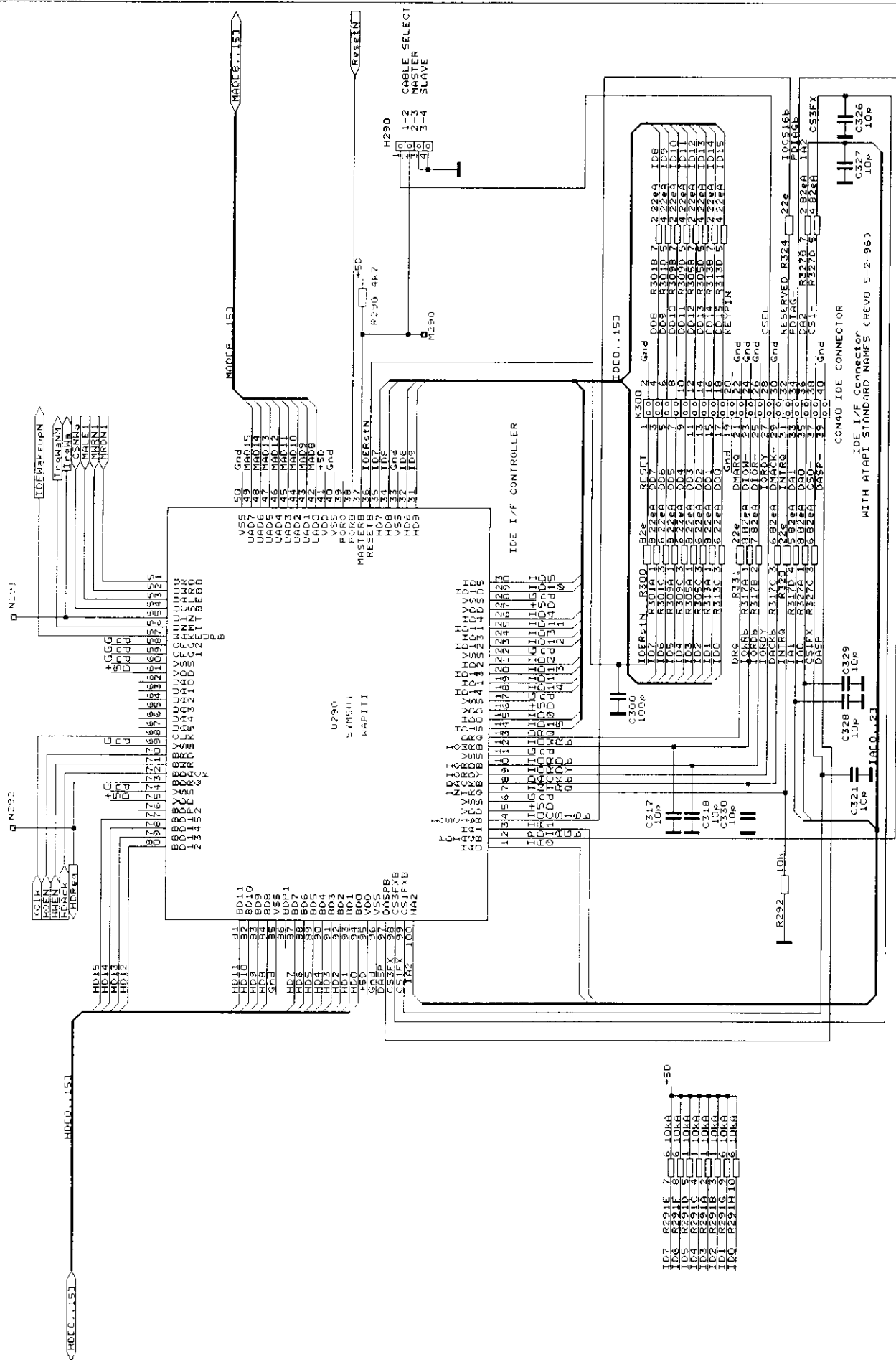
PWM-DC CONVERTER

WIRES SHORT & WIRE





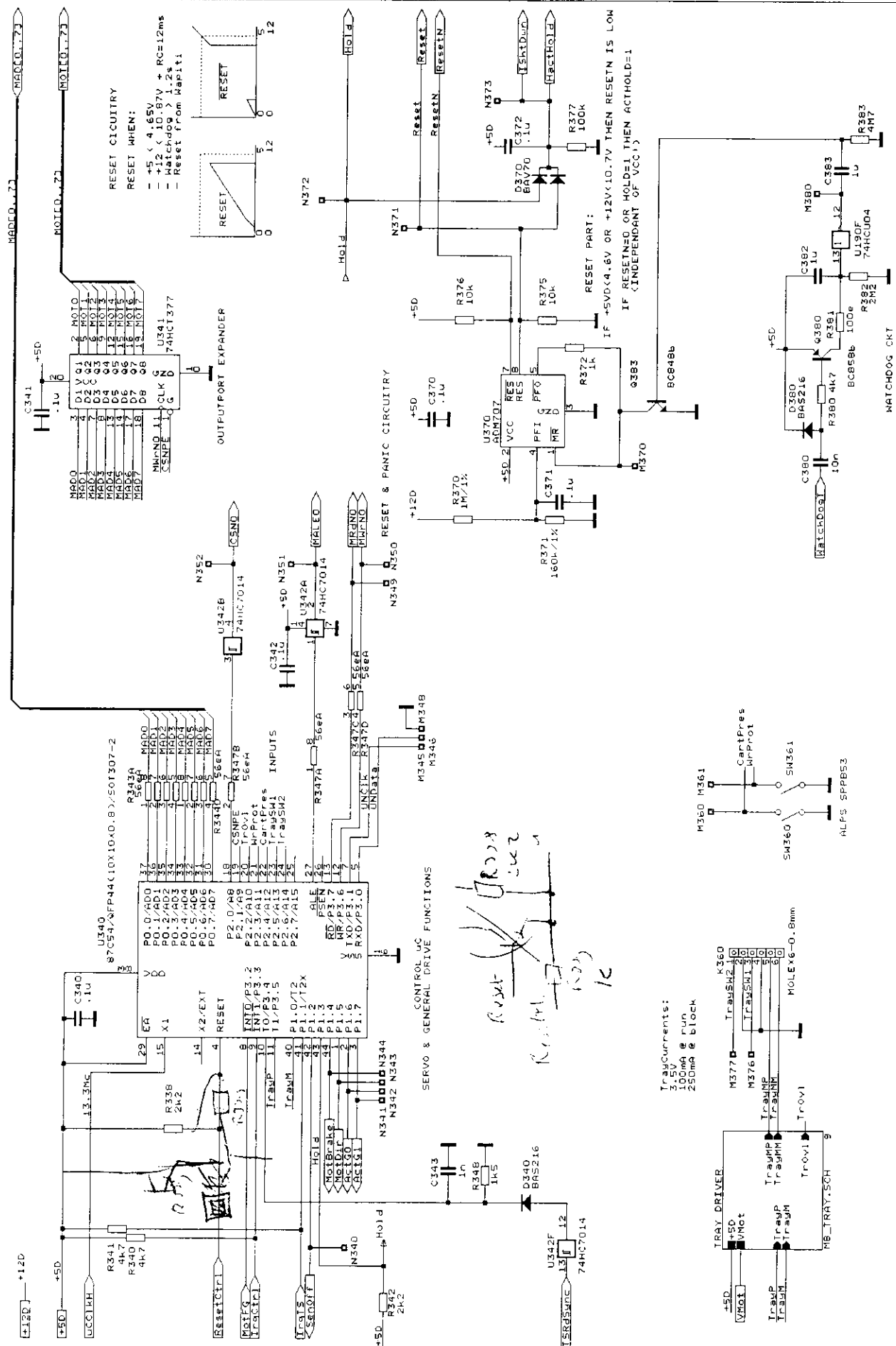




PLACE RESISTORS AS CLOSE AS POSSIBLE TO IDE CONNECTOR

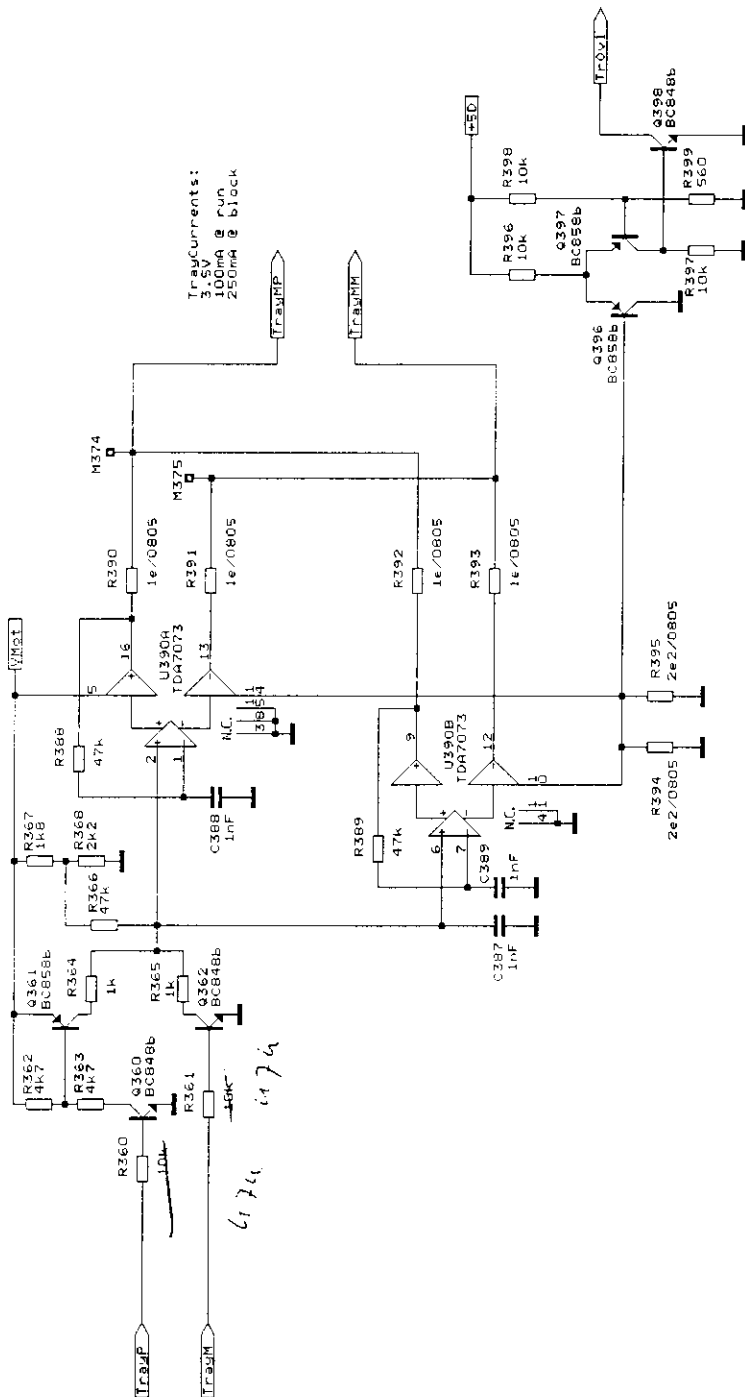
PHILIPS KEY MODULES - MAGNETIC RECORDING LAB
T.G.M. KUYPER - DBC - TEL.22755

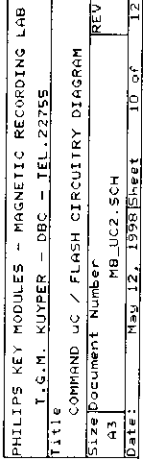
IDE HOST DMA INTERFACE DIAGRAM		REV
Size	Document Number	
A3	M8_IDE.SCH	
Date:	May 12, 1998	Sheet 7 of 12



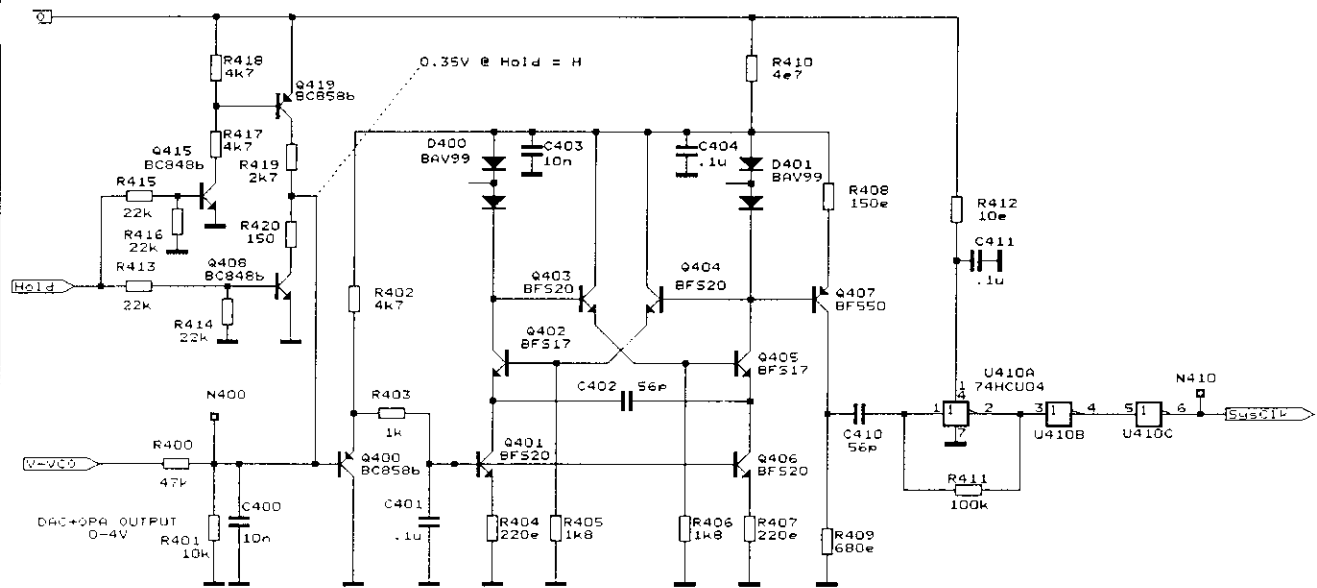
PHILIPS KEY MODULES - MAGNETIC RECORDING LAB
Title: I.G.M. KUYPER - DBC - IEL 22755
Size: 1000000
Document Number: MB_UCSER.SCH
REV: 12
Date: May 12, 1998

BIDIR TRAY MOTOR DRIVER





EEE *t150R

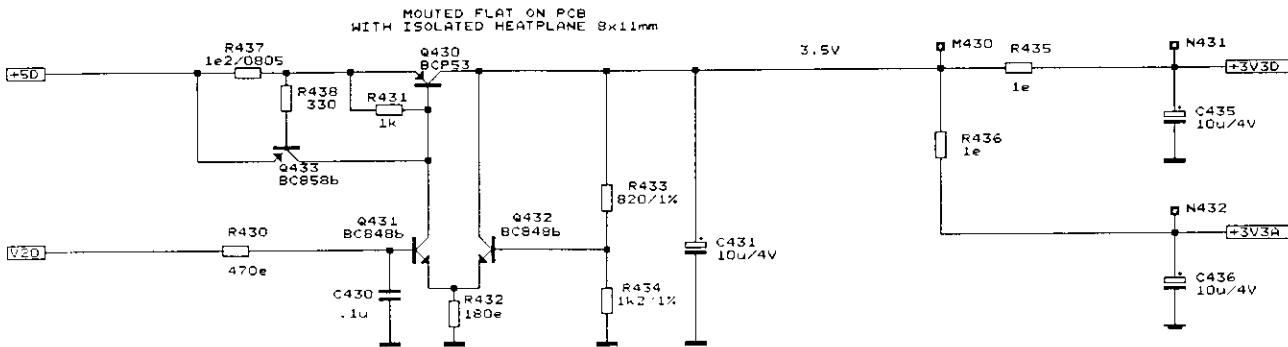


SYSCLK VCO

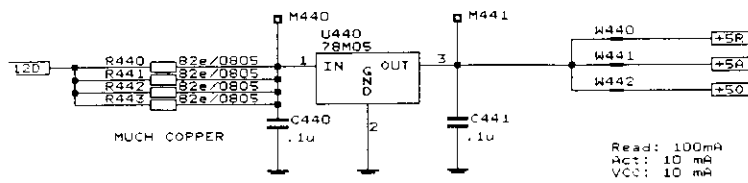
DEVIATION

@ M401	@ M400	@ DAC+OPA
CENTER: 1.0V	0.4V	2.5V
10Mc: 820mV	0.22V	1.32V
40Mc: 1190mV	0.59V	3.7V

PHILIPS KEY MODULES - MAGNETIC RECORDING LAB		
T.G.M. KUYPER - DBC - TEL.22755		
Title		
MAIN SYSCLK VCO DIAGRAM		
Size	Document Number	REV
A4	MB_VCO.SCH	
Date:	May 25, 1998	Sheet 11 of 12

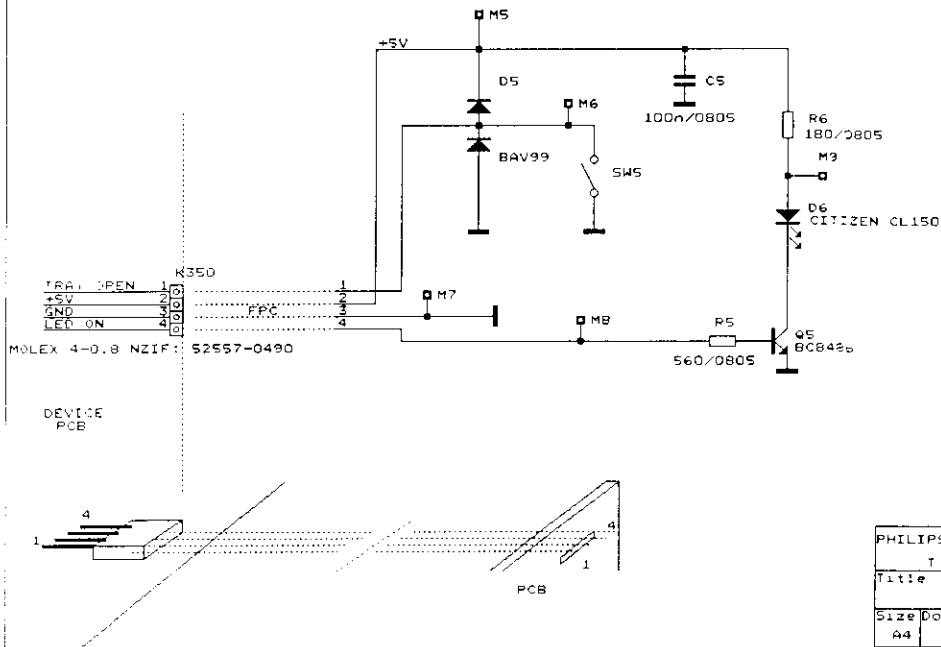


	IDD's:	P's	P SER Tr
A	150mA	450mW	490mW
D	100mA	300mW	



PHILIPS KEY MODULES - MAGNETIC RECORDING LAB			
T.G.M. KUYPER - DBC - TEL.22755			
Title			
5V TO 3V CONVERSION			
Size	Document	Number	REV
A4	MS_POWER.SCH		
Date:	May 12, 1996	Sheet	12 of 12

PCB: 34.5 X 14.0 mm
 SINGLE LAYER
 1mm THICK
 FLEX SOLDERED ON PCB
 GND FILLED



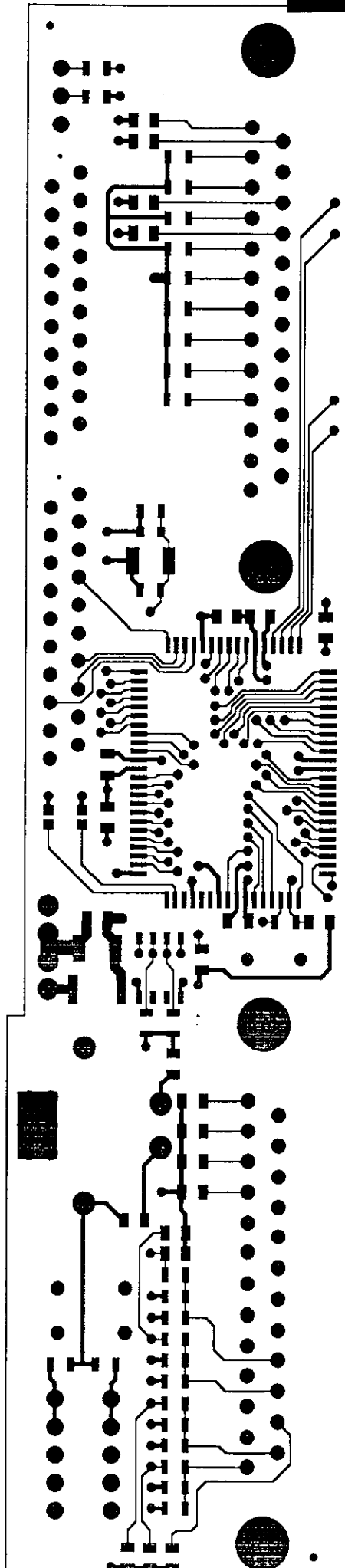
PHILIPS KEY MODULES - MAGNETIC RECORDING LAB		
T.G.M. KUYPER - DBC - TEL.22755		
Title		
LOADER FRONT I/F DIAGRAM		
Size	Document Number	REV
A4	M8_FRONT.SCH	1
Date:	May 25, 1998	Sheet of

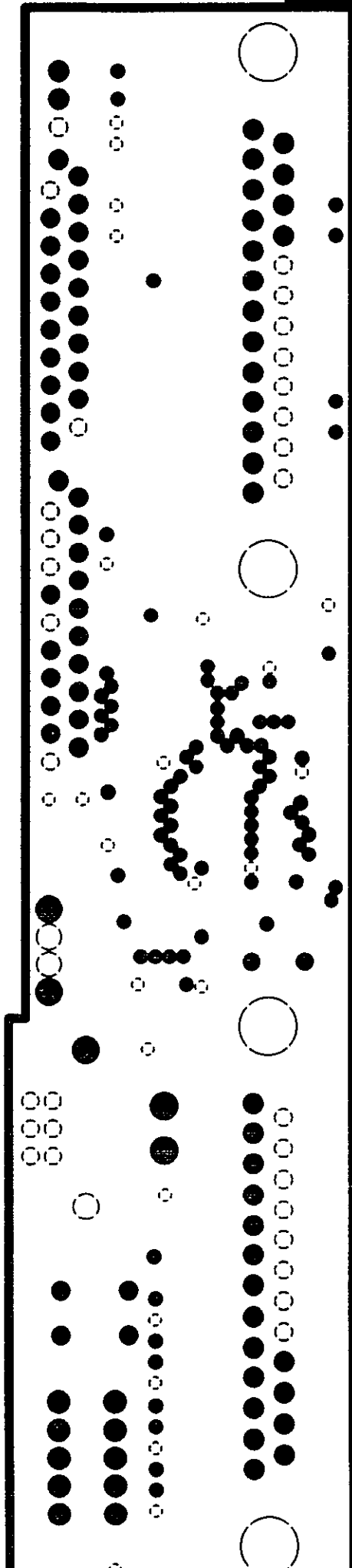
FCC ID: EENDP309807

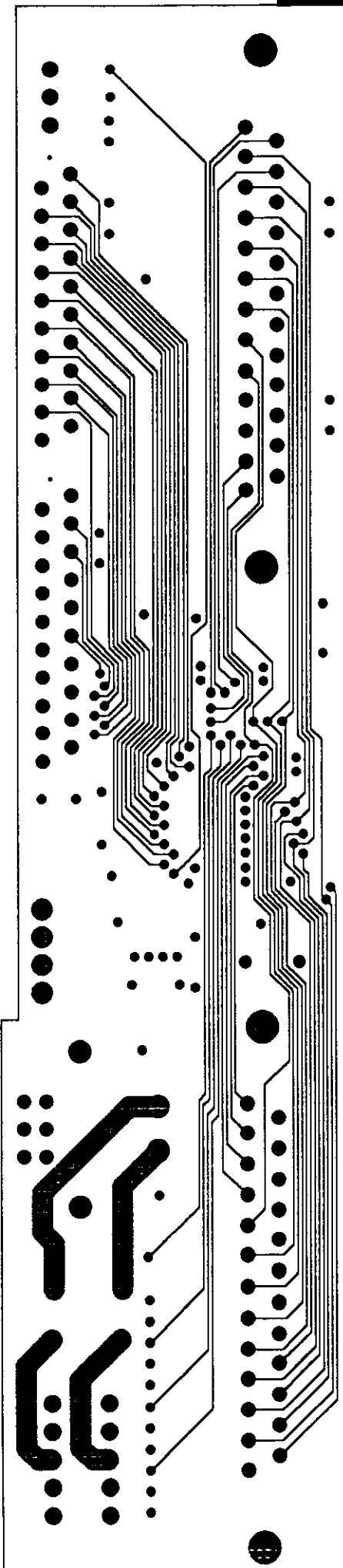
Onstream product

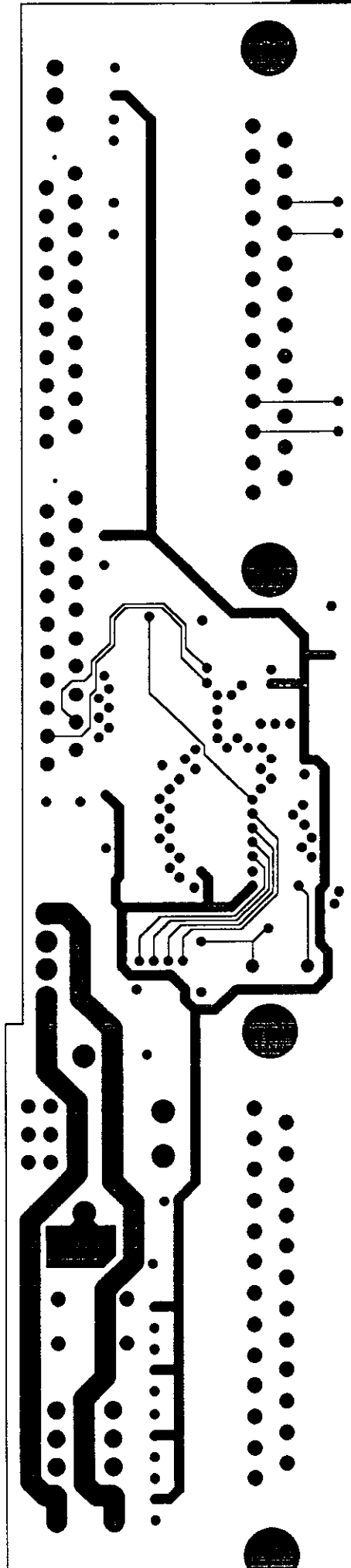
**EXHIBIT NEEDED FOR FCC CERTIFICATION
EUT: OnStream; Type: DP30**

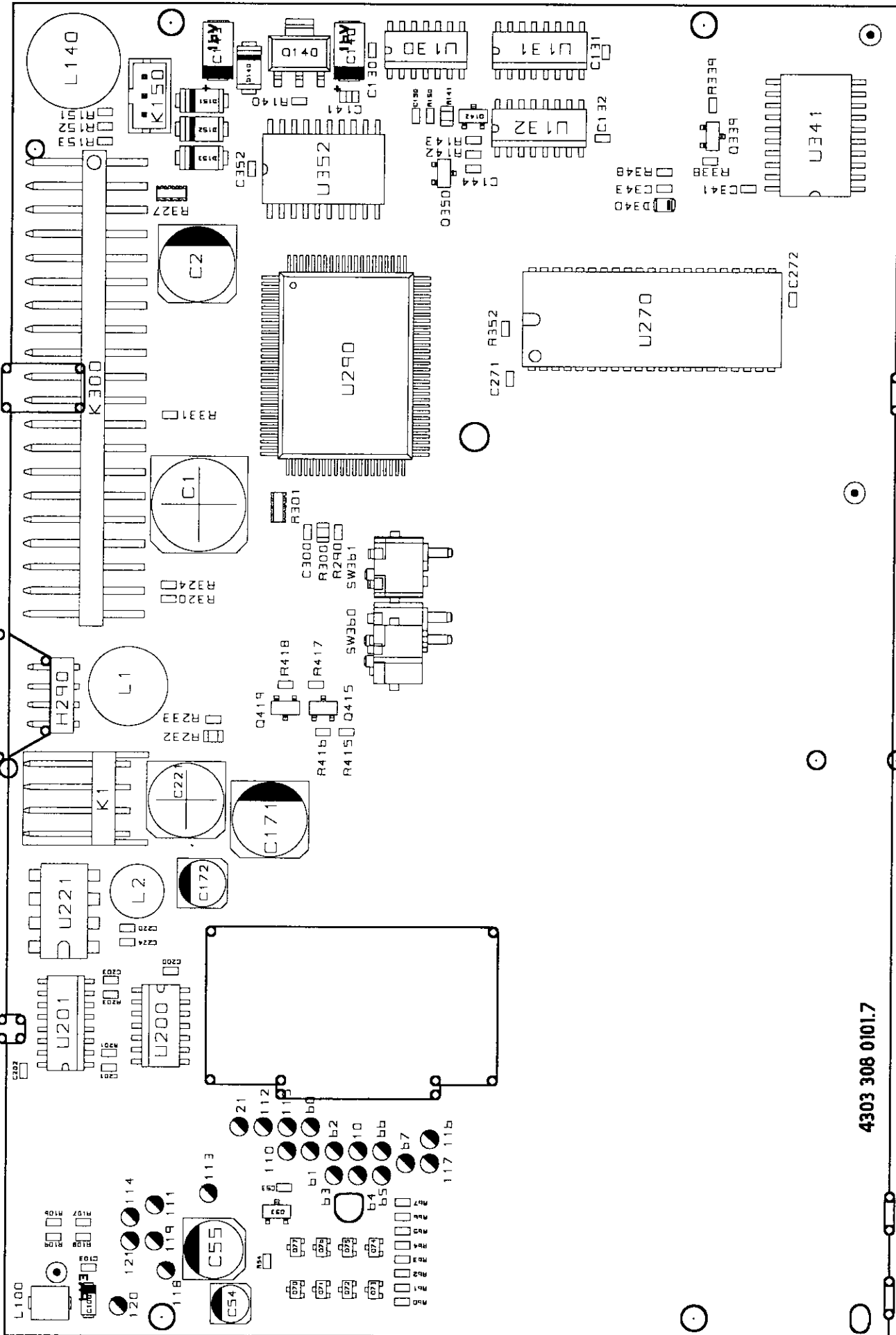
Lay-out's of the PCB





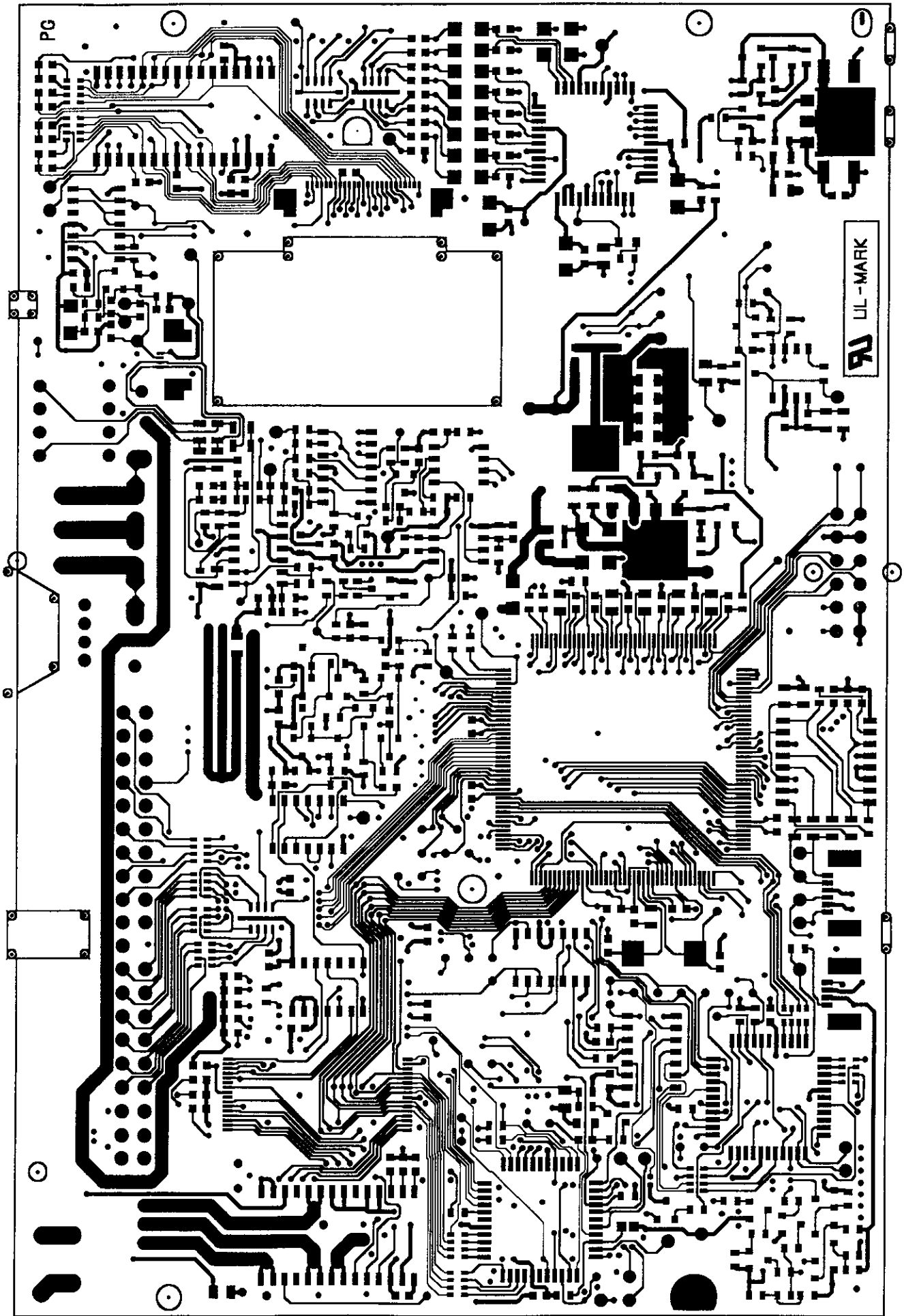


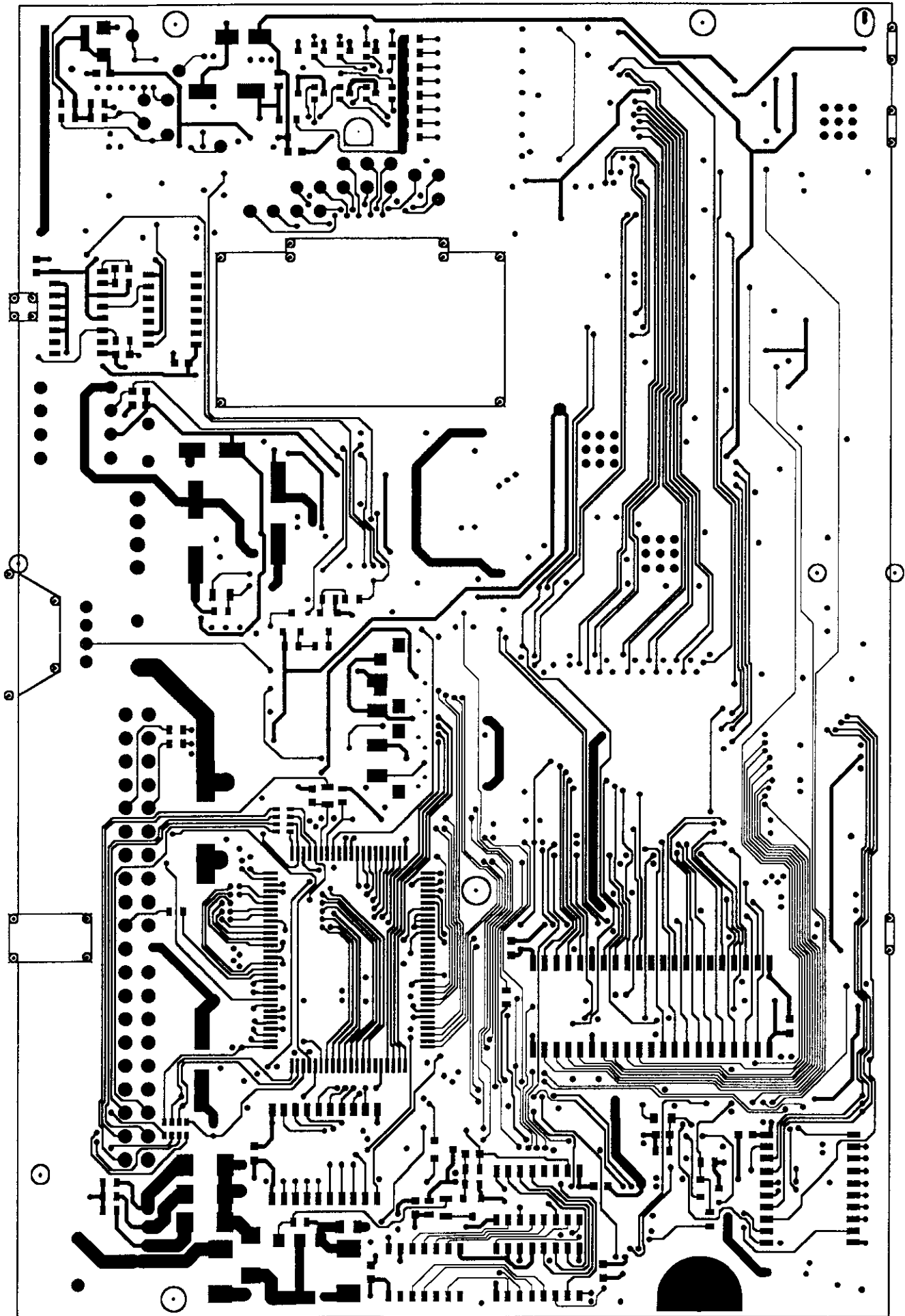


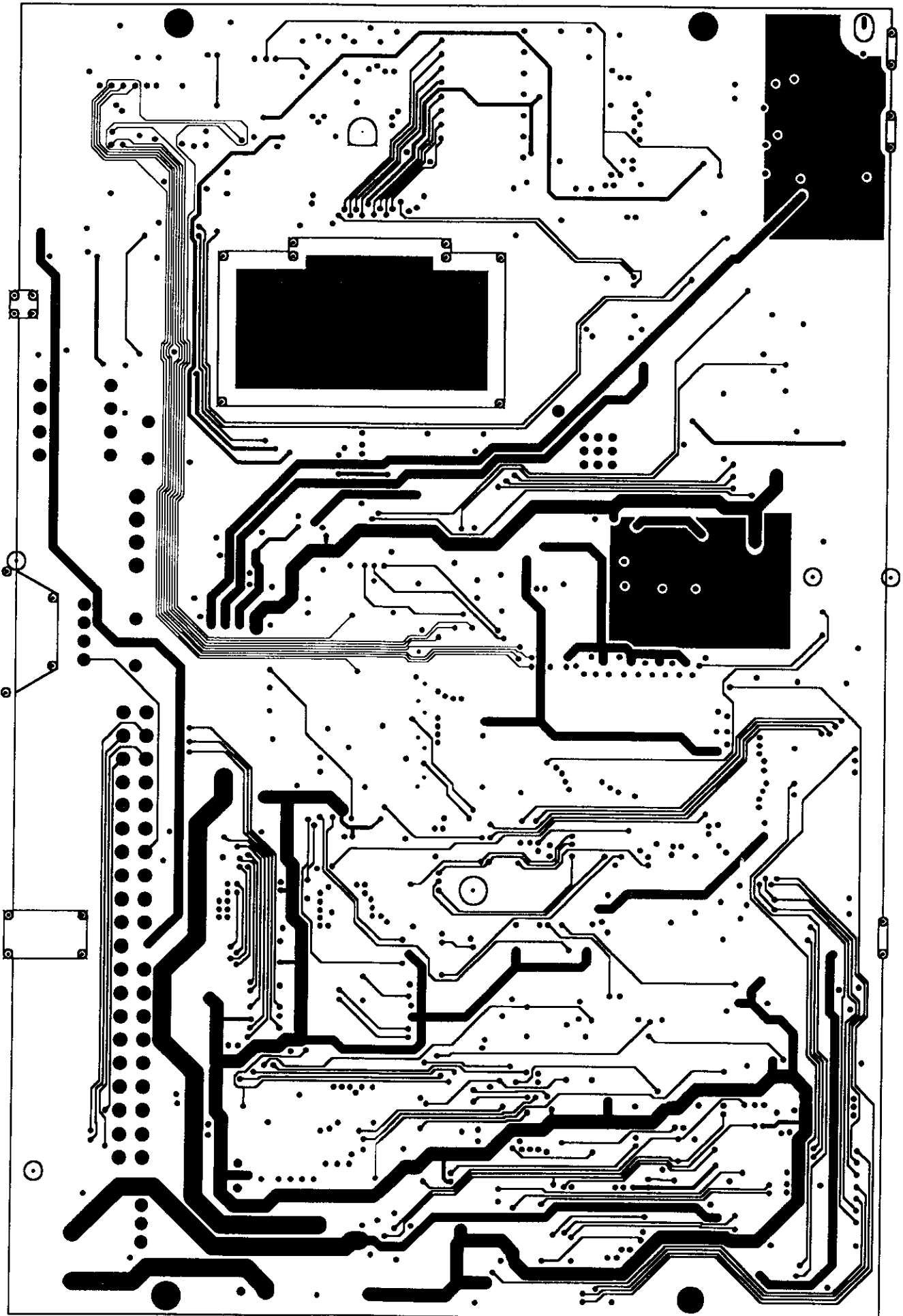


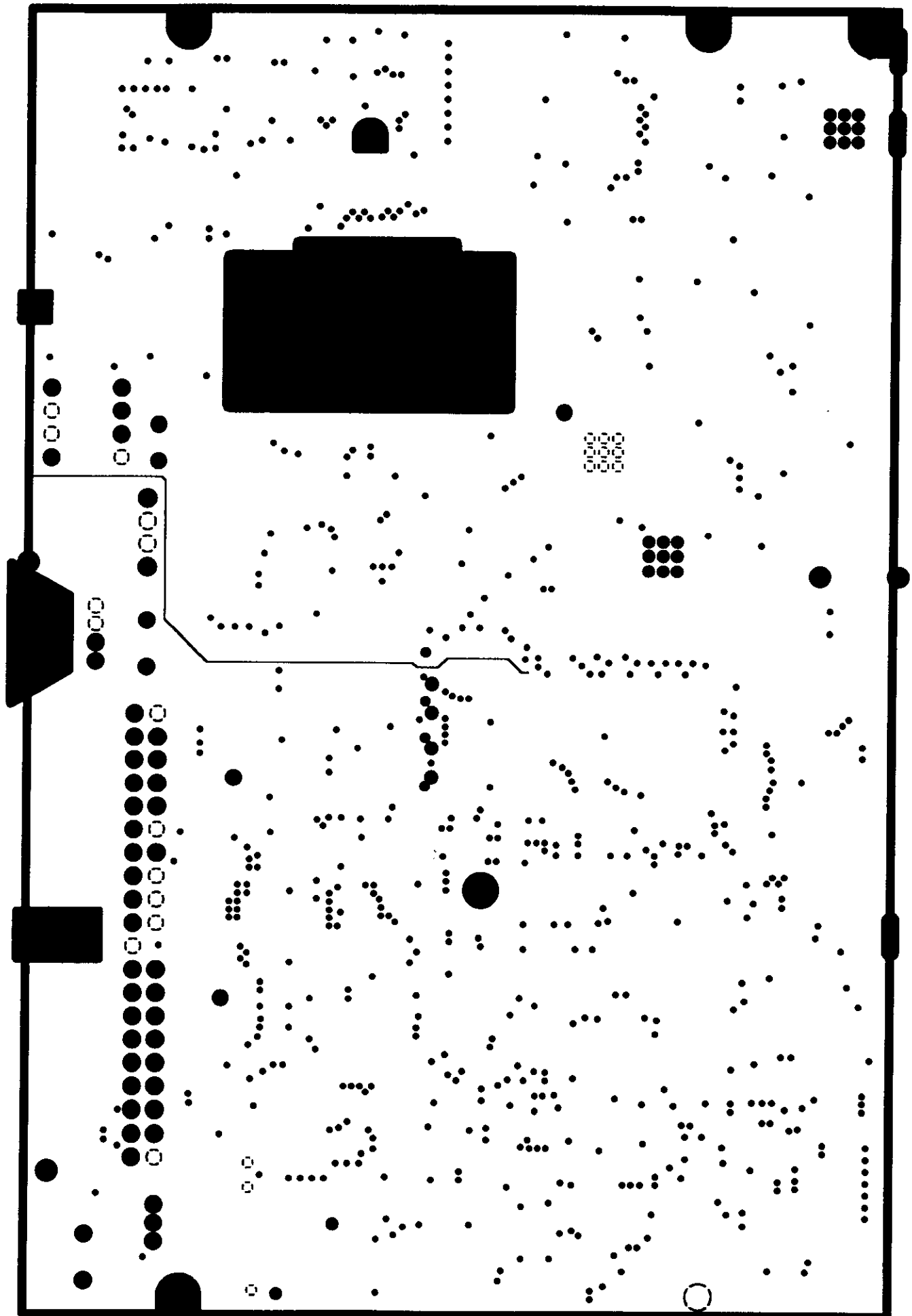
4303 308 0101.7

807



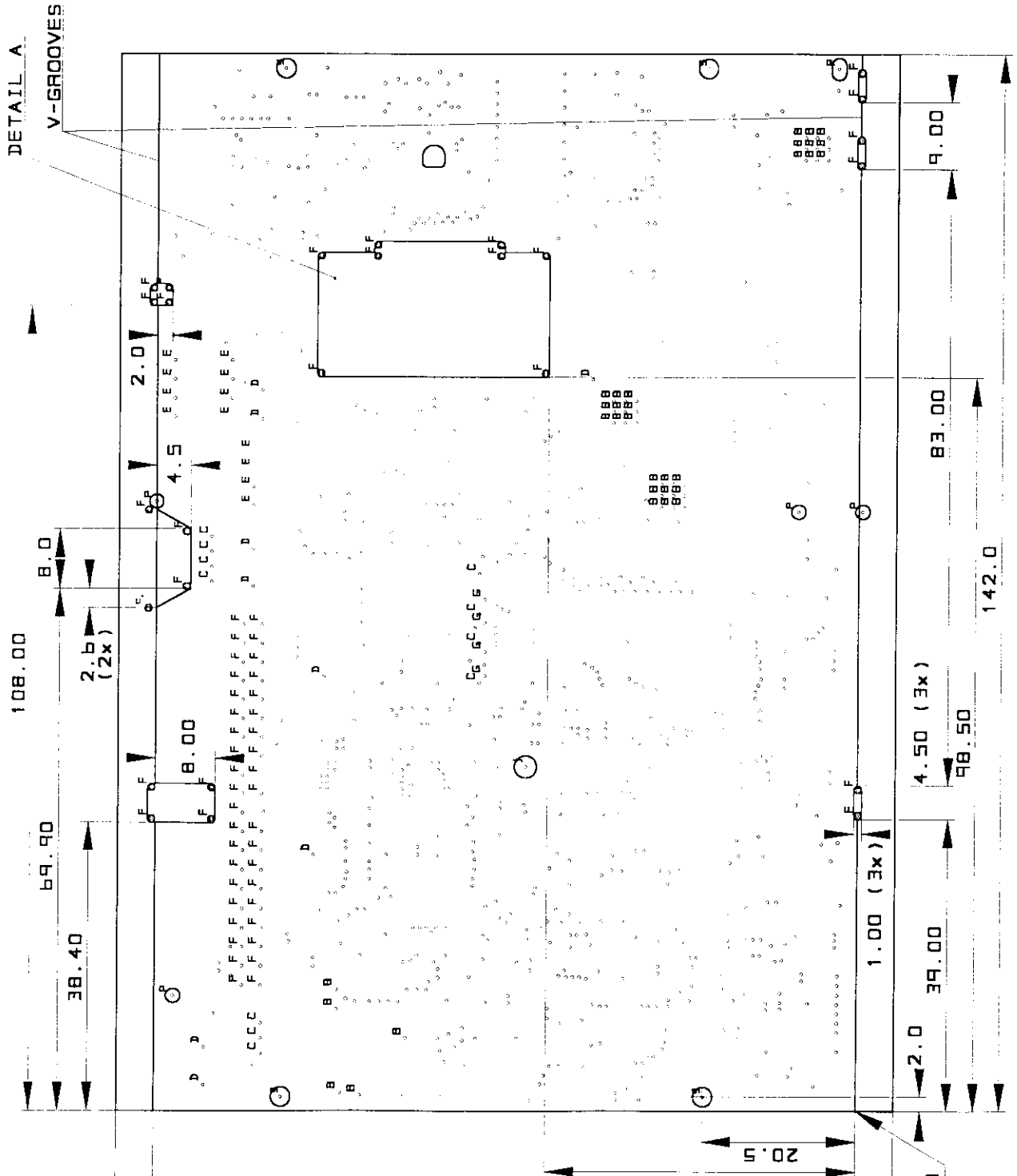
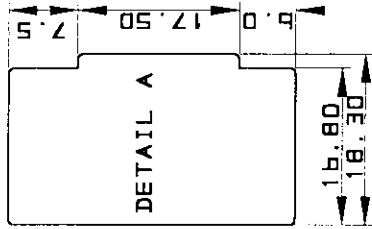






ACS B.V. POB 95
 6100 AB ECHT HOLLAND
 TEL: +31-475-483663
 FAX: +31-475-485068

ACS 98139, JSE
 GET 08-06-98 PG
 MECHANICAL DRAWING



SIZE	LETTER	COUNT
0.30		767
0.60	B	32
0.70	C	11
0.80	D	12
0.90	E	12
1.00	F	65
1.10	G	4
2.00	P	4
2.00x3.00	P	1
2.70	g	4
3.00	j	1
TOTAL		913

ML=4

CU 18um TOP-SIDE FOIL	
PREPREG 1 x 7 mm	
CU 35um INNER 1	
7 mm DOUBLE SIDED FR	
CU 35um INNER 2	
PREPREG 1 x 7 mm	
FOIL	
CU 18um BOTTOM SIDE	

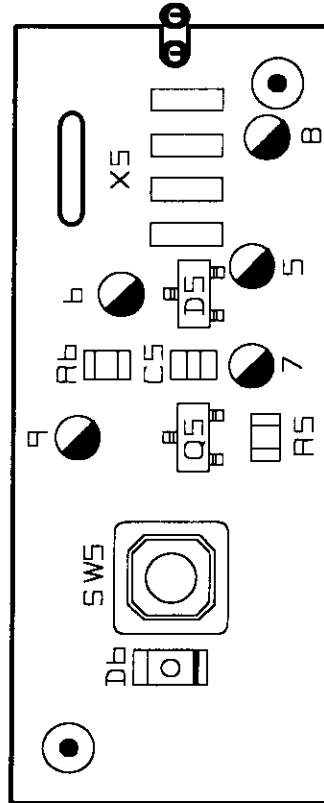
TOTAL THICKNESS 1.0 mm

FCC ID: EENDP309807

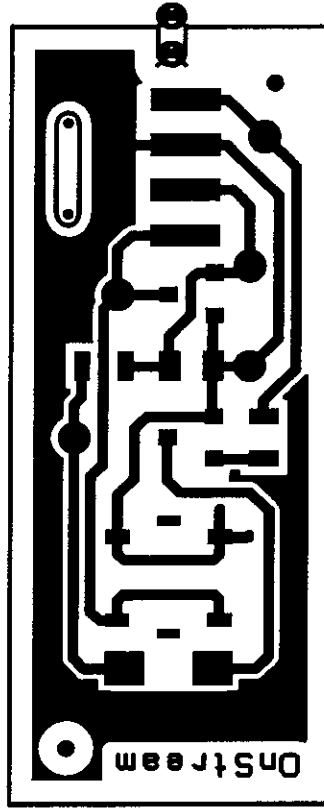
1240: 2122 258 7496

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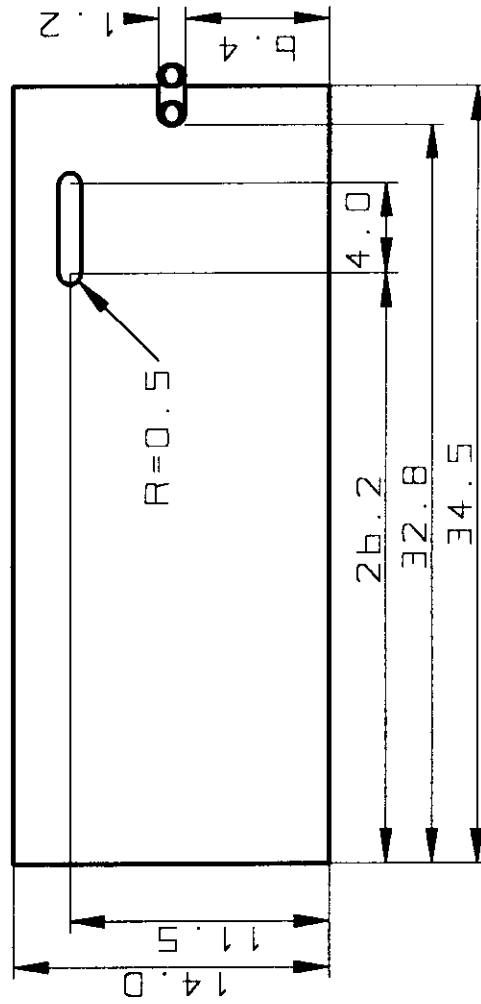
ACS 981409 OSE
 GET 09-06-98 PG
 ASSEMBLY TOP-SIDE



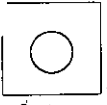
ACS B.V. POB 95 ACS 981409 OSE
6100 AB ECHT HOLLAND GET 09-06-98 PG
TEL: +31-475-483663
FAX: +31-475-485068 CU TOP-SIDE



ACS B.V. POB 95	ACS 981409 OSE
b100 AB ECHT HOLLAND	GET 09-06-98 PG
TEL: +31-475-483663	
FAX: +31-475-485068	MECHANICAL DRAWING

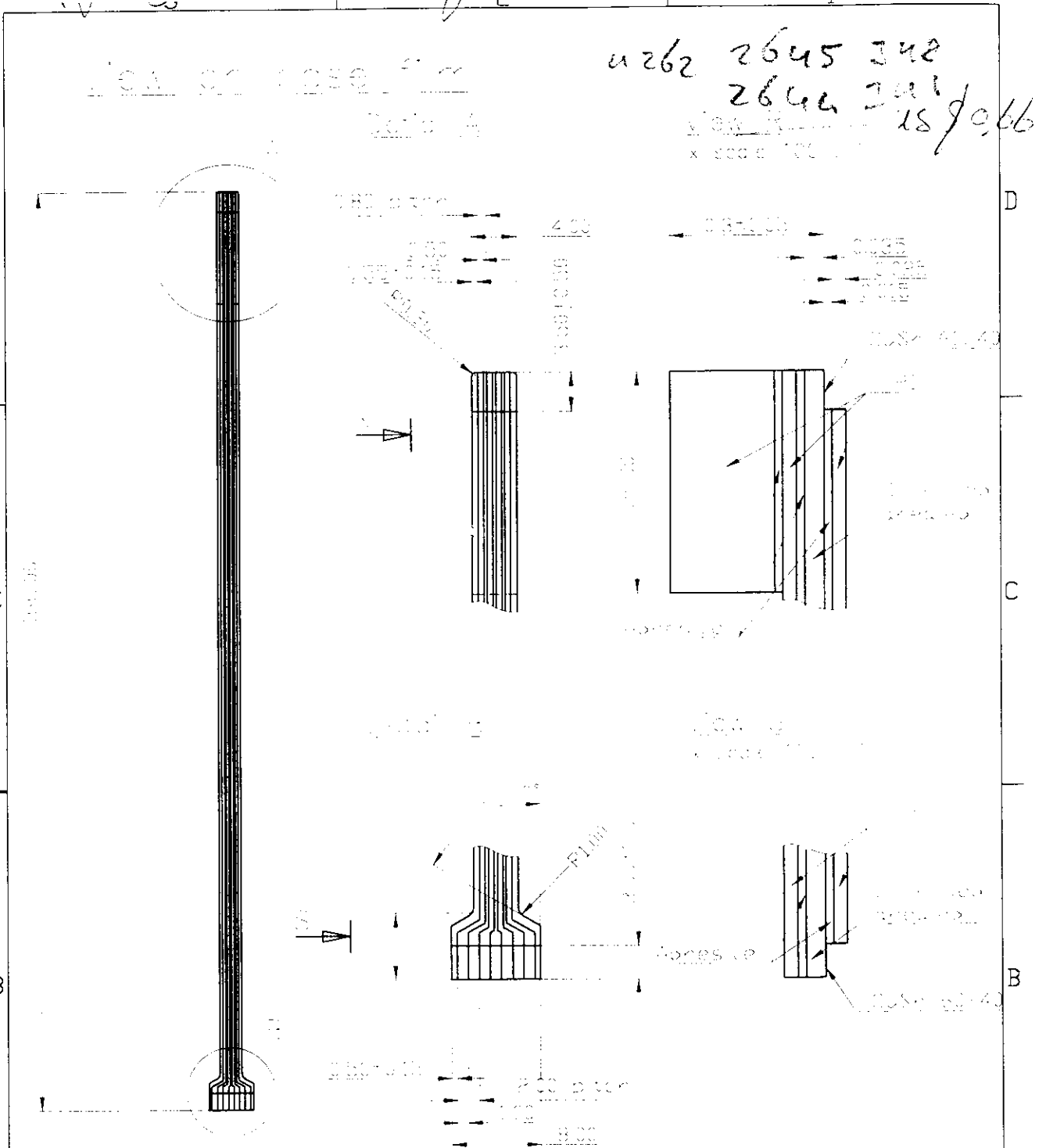


PHILIPS

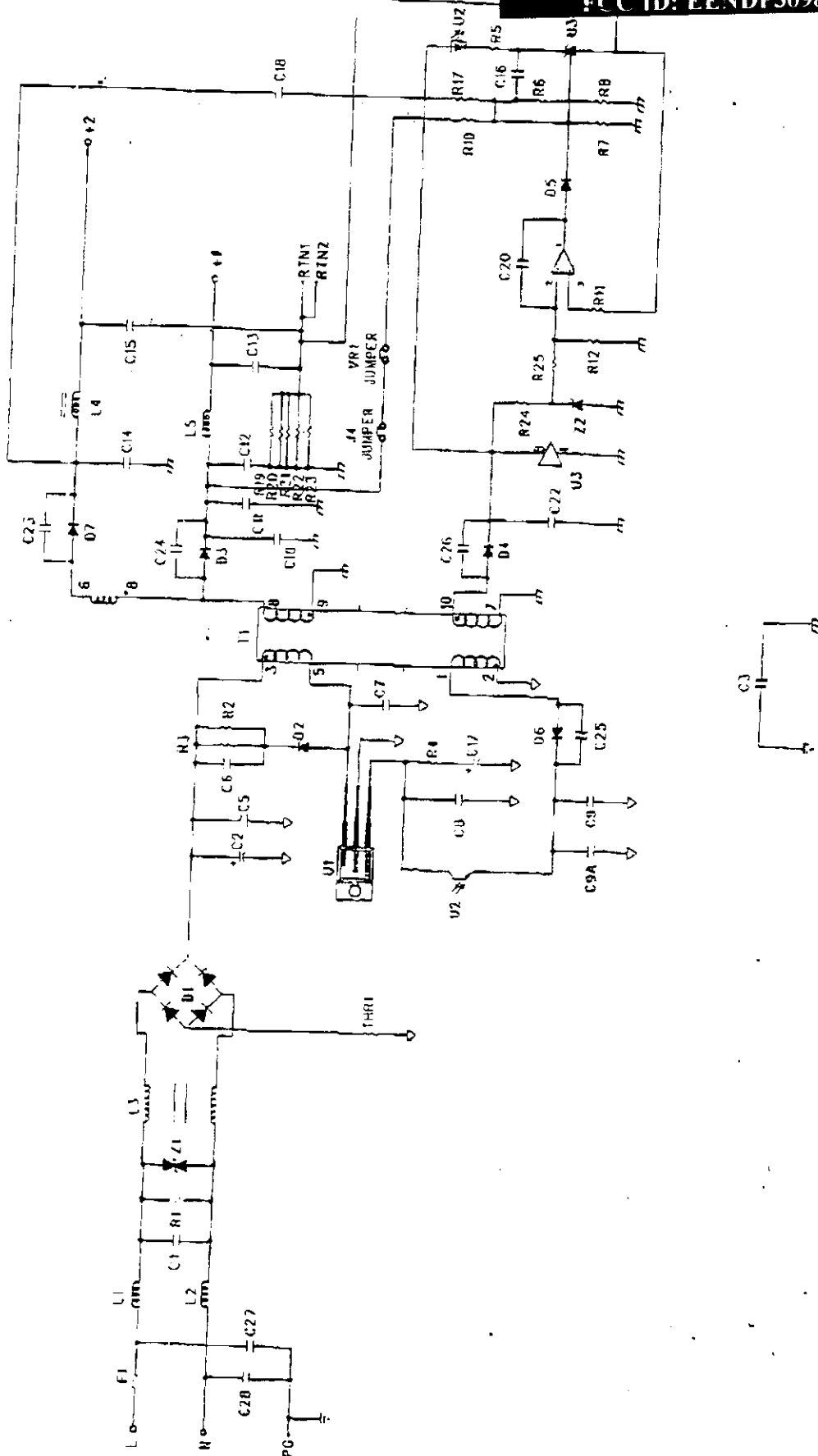


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toestemming van de auteursrechtelijke
houder.



UN-D 28 .. Ra in um		TOLERANCES UNLESS OTHERWISE STATED TOLERANTIES TENZELJ ANDERS VERMELD DIMENSIONS MAAT ± 0.05 ANGLE HOEK $\pm 1^\circ$		UN-D 603		ITEM POS. NR.		ASSEMBLY NO. SAMENSTELLINGS NR.		QUANT. AANTAL	
GENERAL ROUGHNESS ALGEMENE RUWHEID		UNIT EENHEID		see dwg.		PATTERN NO. / MODEL NR.		ORDER NO. / ORDER NR.		QUANT. AANTAL	
SCALE SCHAAAL		PROJ. EUROP.		TREATMENT BEHANDELING		ORDER NO. / ORDER NR.		QUANT. AANTAL		1 98-06-06	
1 : 1 1 : 2		1 : 1 1 : 2		1 : 1 1 : 2		1 : 1 1 : 2		1 : 1 1 : 2		1 98-06-11 1 98-06-15	
CLASS. NO. --		Loader drive ext. FPC long E		3122 258 7489		01 110 -- 01 10		A4		1 98-06-06 1 98-06-11 1 98-06-15	
NAME NAAM N. Vollmann/CWA		SUPERS. VERV. --		01 110 -- 01 10		A4		1 98-06-06 1 98-06-11 1 98-06-15		1 98-06-06 1 98-06-11 1 98-06-15	



o: Koy Chen
rom: 楠梓和恆

P.2/6

