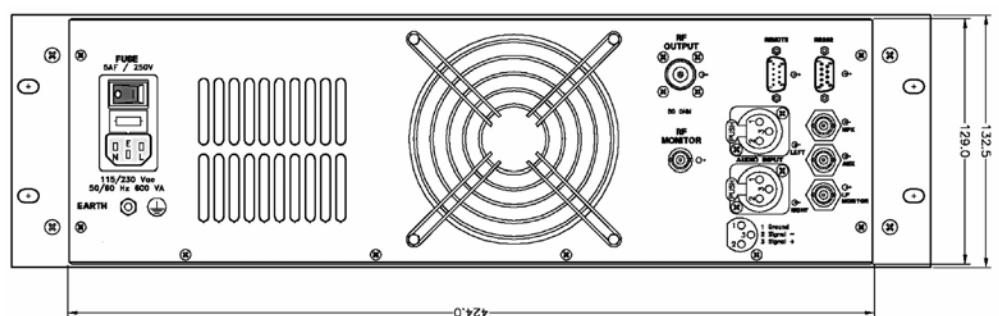
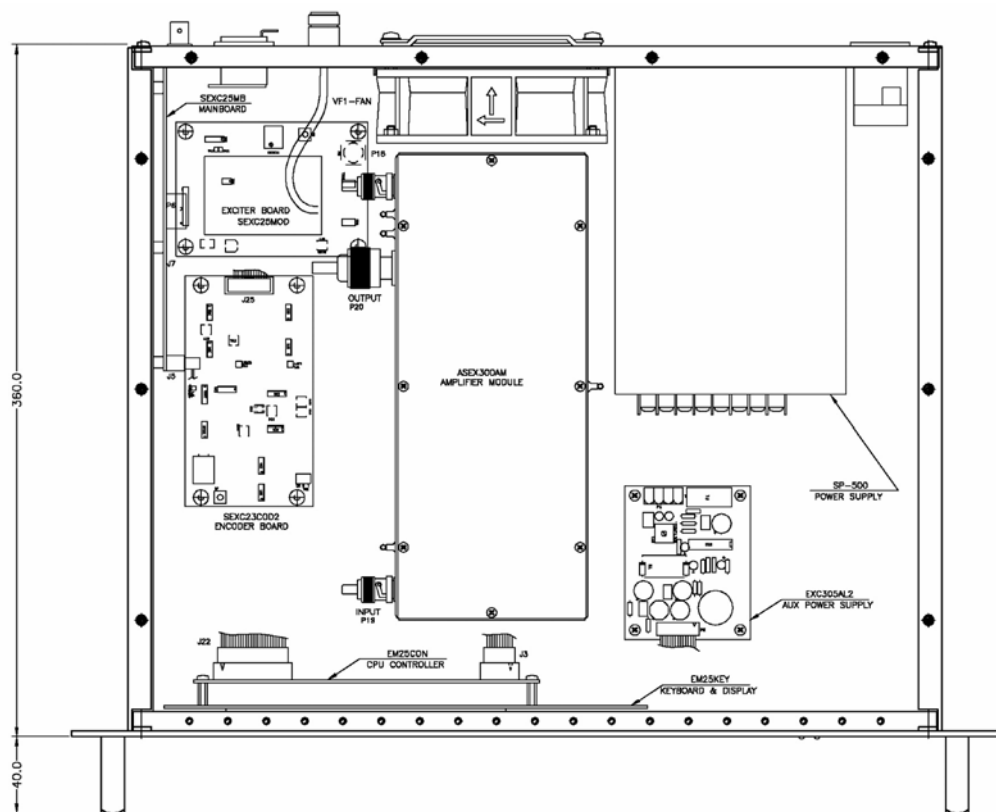
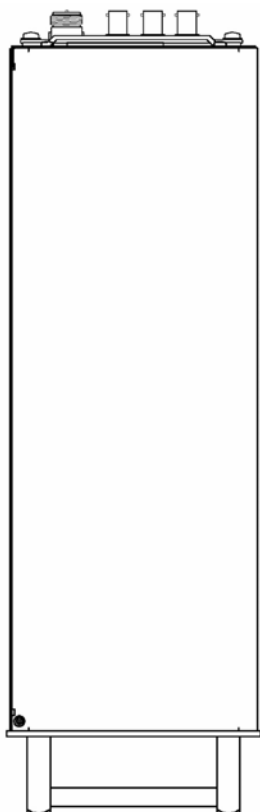
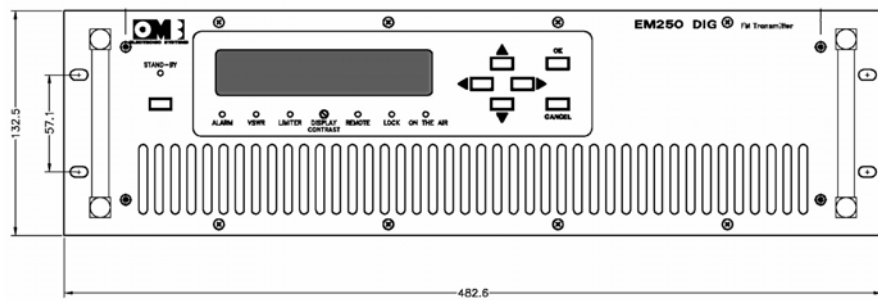
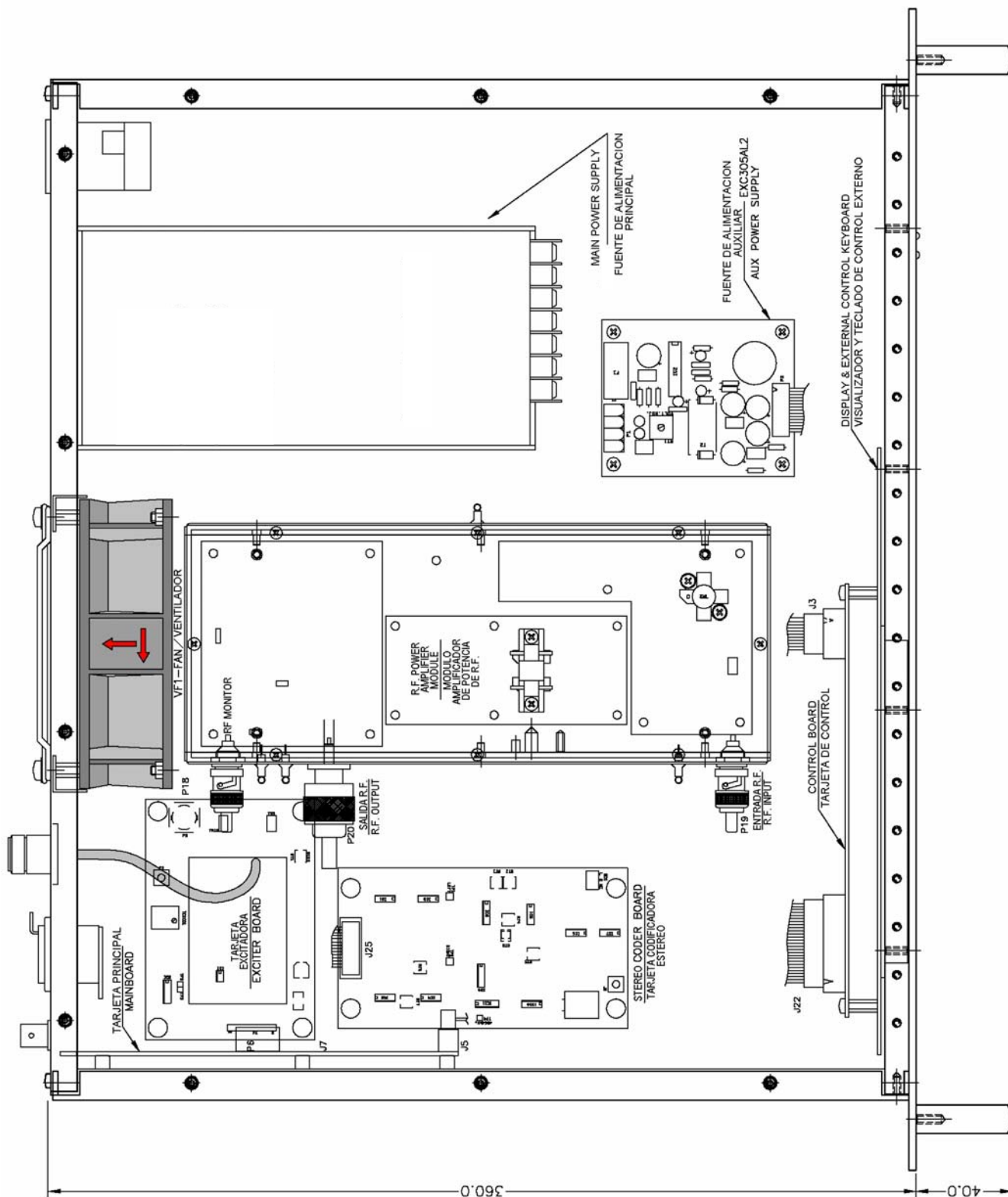


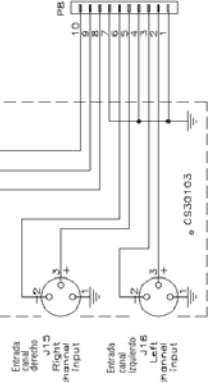


Drawn	Date	Name	Signature:	 Sistemas Electrónicos S.A.
Checked		OMB Eng. Dpt.		
Standards				
Scale:	Ttle: EM 250 COMPACT DIG			Drawing nr:
	General cabinet layout			Replace:
				Replaced with:

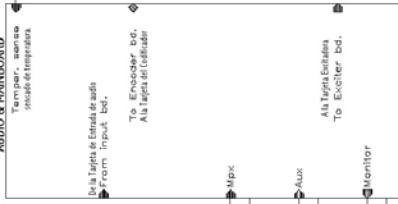


Drawn	Date	Name	Signature:	 Sistemas Electrónicos S.A.
Checked		OMB Eng. Dpt.		
Standards				
Scale:	Title:	EM 250 COMPACT DIG Inner layout		Drawing nr:
				Replace:
				Replaced with:

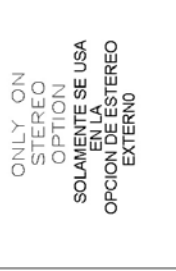
TARJETA DE ENTRADA DE AUDIO AUDIO INPUT CARD



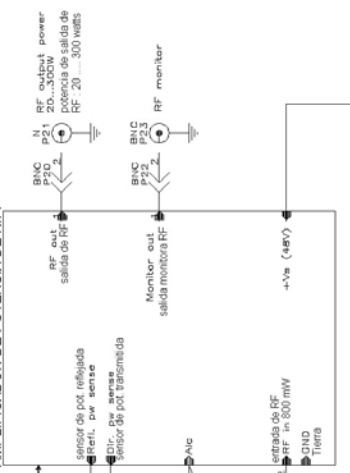
TARJETA PRINCIPAL Y DE AUDIO AUDIO & MAINBOARD



TARJETA CODIFICADORA CODER CARD



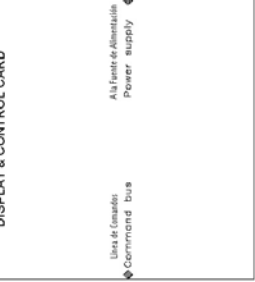
R.F. POWER AMPLIFIER AMPLIFICADOR DE POTENCIA DE R.F.



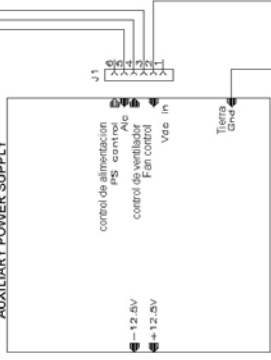
TARJETA EXCITADORA EXCITER BOARD



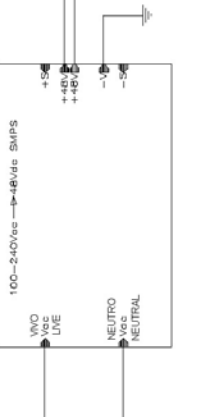
TARJETA DE CONTROL Y VISUALIZACION DISPLAY & CONTROL CARD



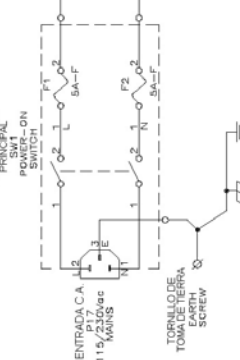
FUENTE DE ALIMENTACION AUXILIAR AUXILIARY POWER SUPPLY



FUENTE DE ALIMENTACION PRINCIPAL MAIN POWER SUPPLY



INTERRUPTOR PRINCIPAL POWER-ON SWITCH



ENTRADA C.A. 115/230vac MAINS

TORNILLO DE TOMA DE TIERRA EARTH SCREW

Date	Name	Signature:	Signature:
Drawn	Name	Signature:	Signature:
Checked	Name	Signature:	Signature:
Standards	Name	Signature:	Signature:
Scale :	Name	Signature:	Signature:
Title	Name	Signature:	Signature:
EM 250 COMPACT DIG	Name	Signature:	Signature:
General wiring diagram	Name	Signature:	Signature:
Replace:	Name	Signature:	Signature:
Replaced with:	Name	Signature:	Signature:

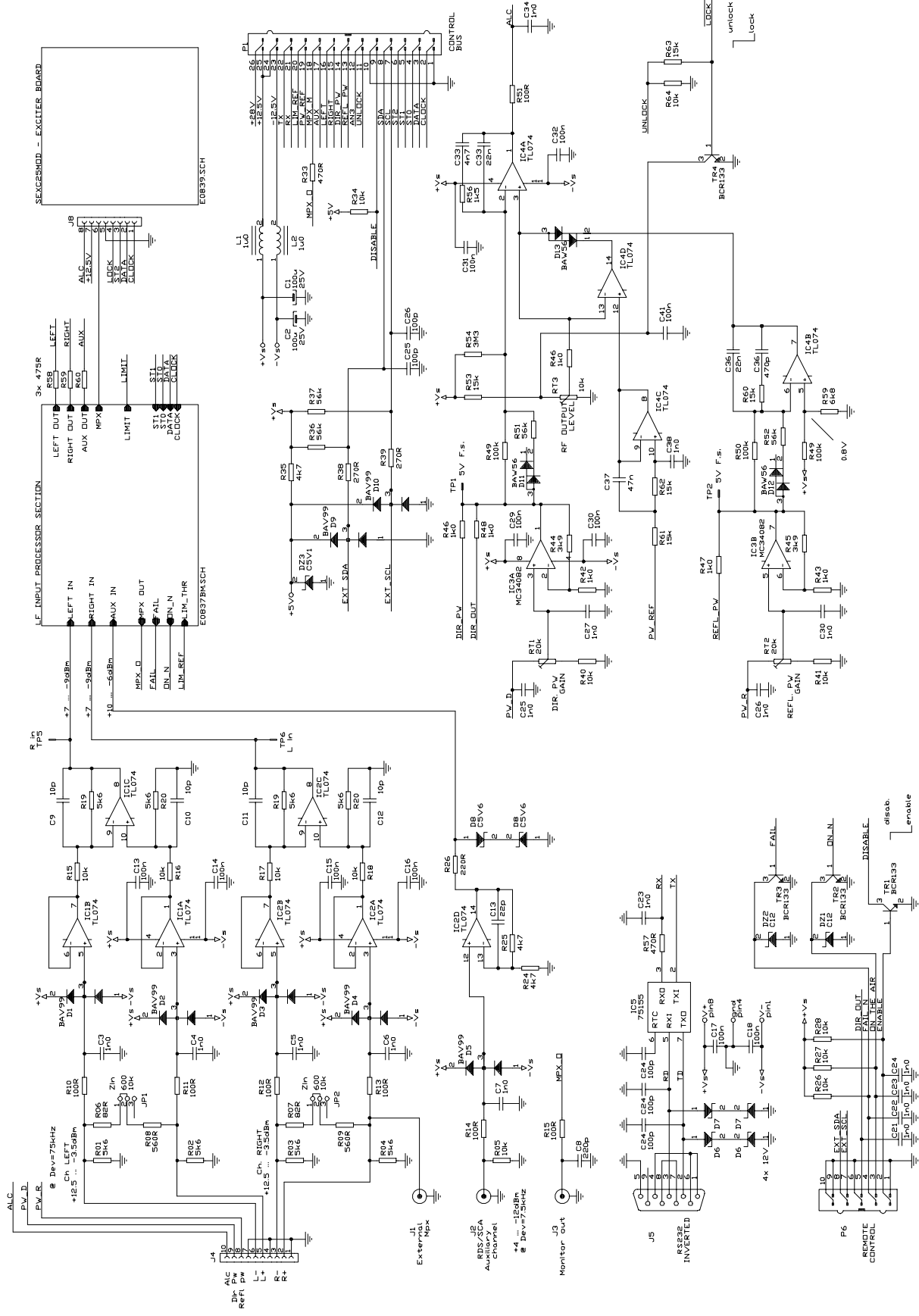


Sistemas Electrónicos S.A.

Drawing nr:

Replace:

Replaced with:



Signature:		Date		Name	
Drawn		01/11/04		OMB Eng. Dpt.	
Checked					
Standards					
Scale :		Title		EM 250 COMPACT DIG	
				MAINBOARD - I/O & R.F. Control Section	
				Replace:	
				Replaced with:	



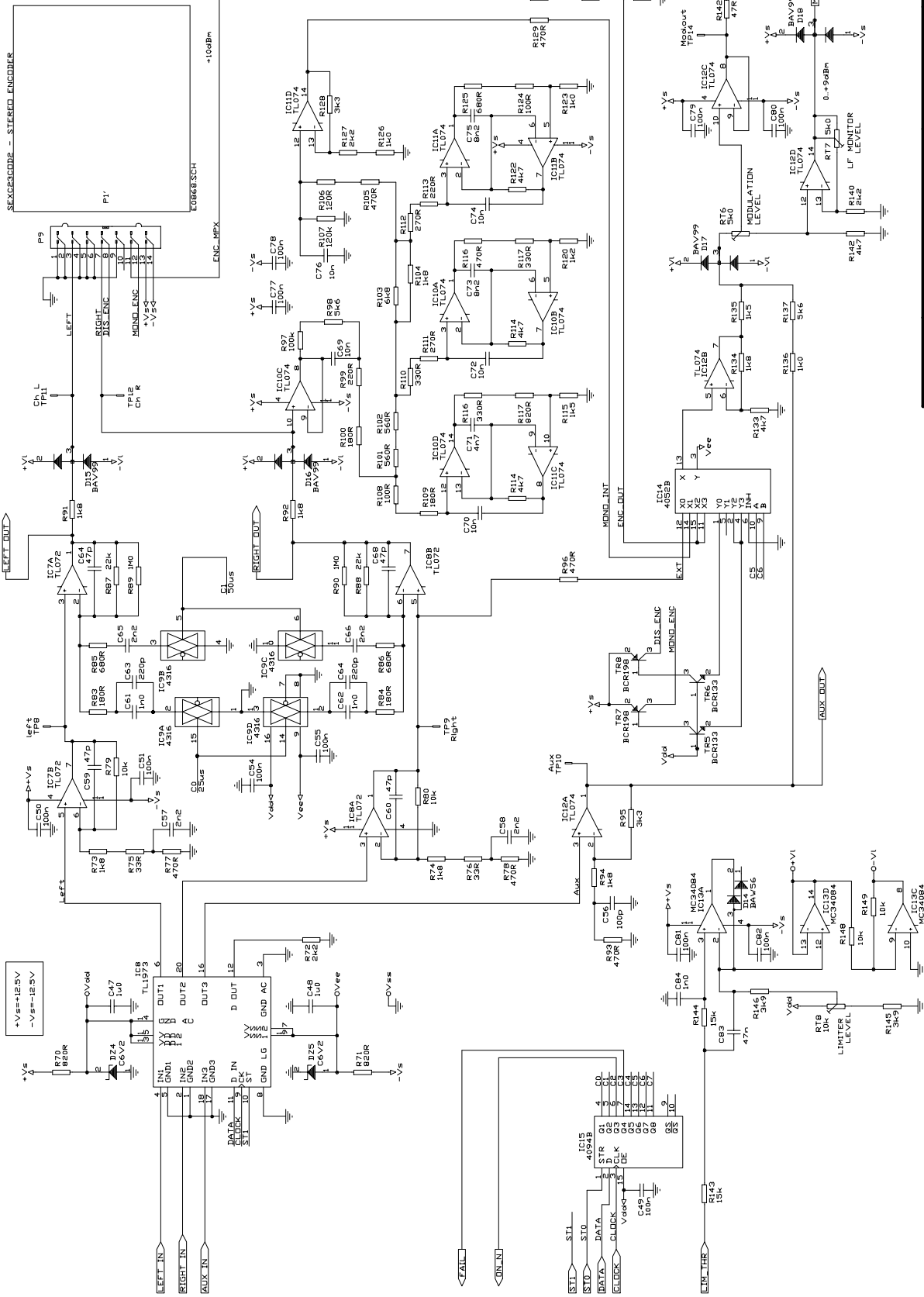
Drawing nr:

EM 250 COMPACT DIG

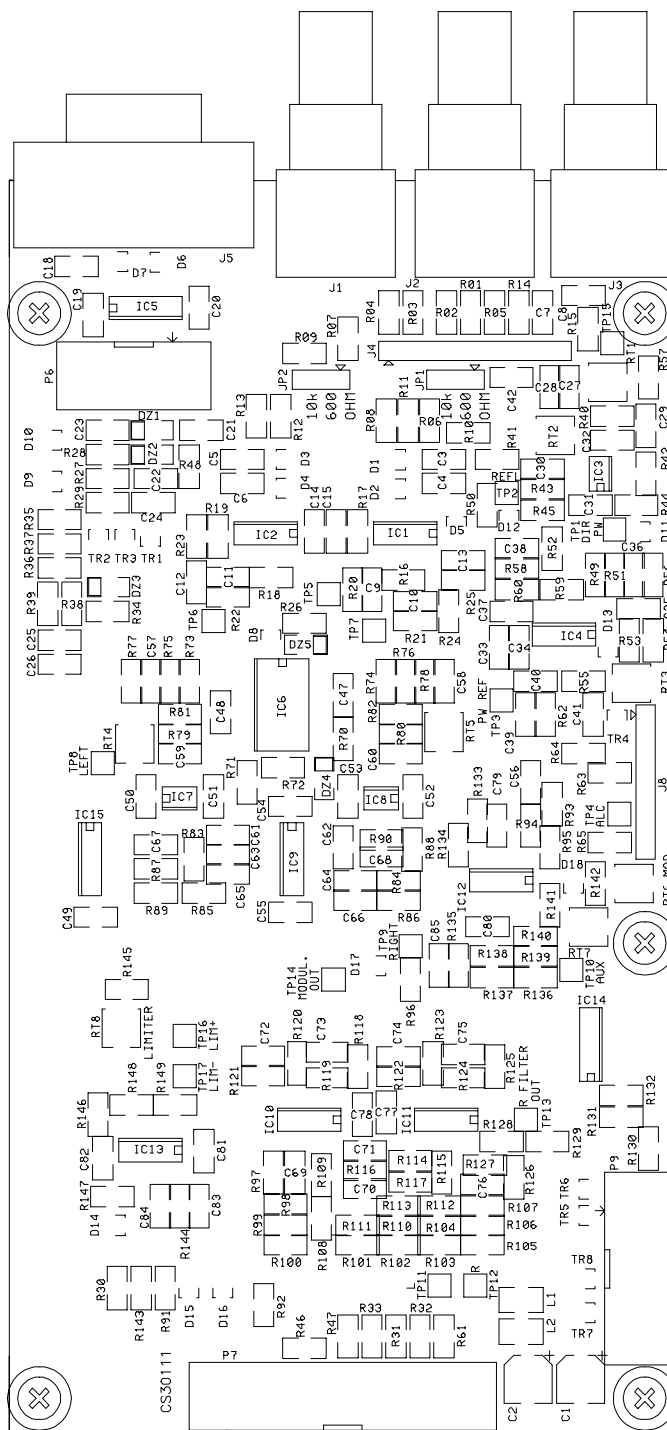
MAINBOARD - I/O & R.F. Control Section

Replace:

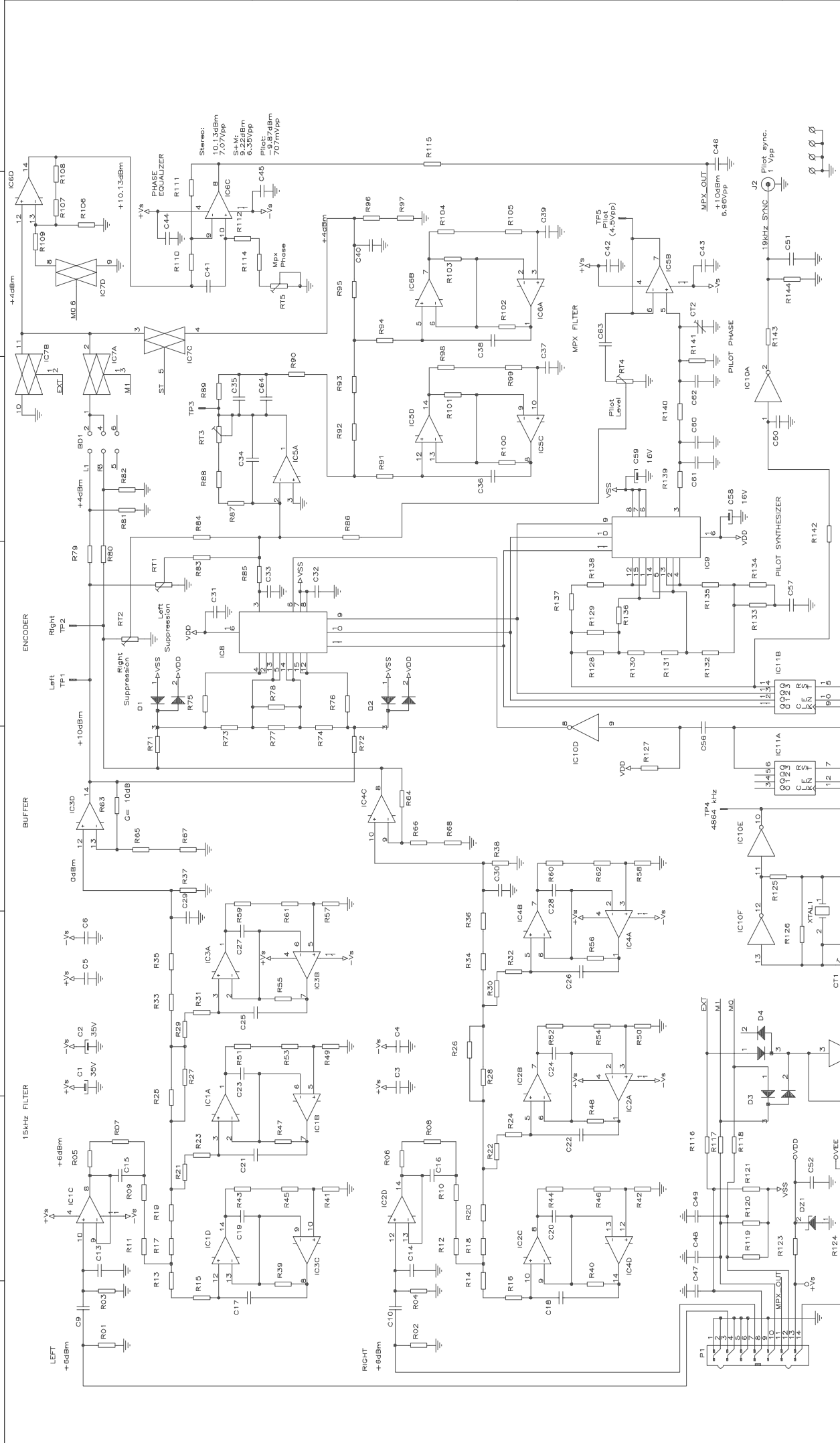
Replaced with:



Date		Signature:		OMB		Sistemas Electrónicos S.A.	
Drawn		10/11/04		OMB Eng. Dpt.		Drawing nr:	
Checked						Replace:	
Standards						Replaced with:	
Scale :		Title		EM 250 COMPACT DIG		MAINBOARD - LF Process Section	



	Date	Name	Signature:	 Sistemas Electrónicos S.A.
Drawn	01/11/04	OMB Eng. Dpt.		
Checked				
Standards				
Scale:	Title:	EM 250 COMPACT DIG Mainboard		Drawing nr:
				Replace:
				Replaced with:



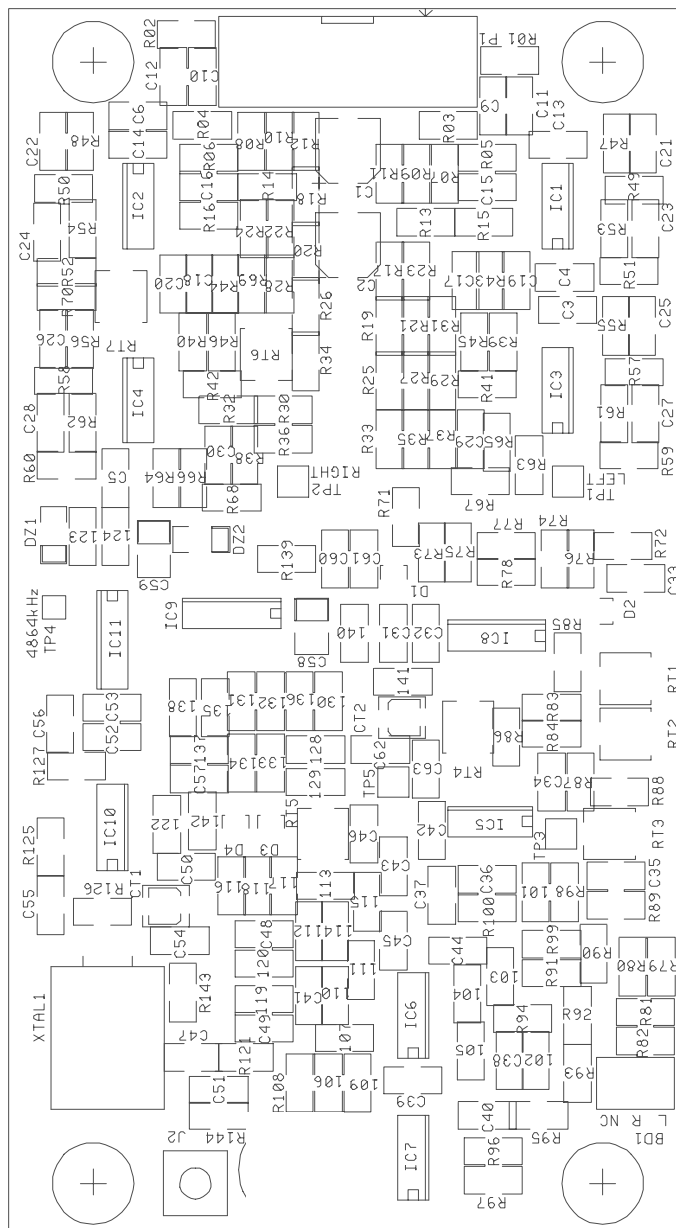
Sistemas Electrónicos S.A.

Date	Name	Signature
01/11/04	OMB Eng. Dpt.	
Drawn	Checked	Standards
Scale :	Title	
	EM 250 COMPACT DIG	
	Stereo encoder	
	Replace:	
	Replaced with:	

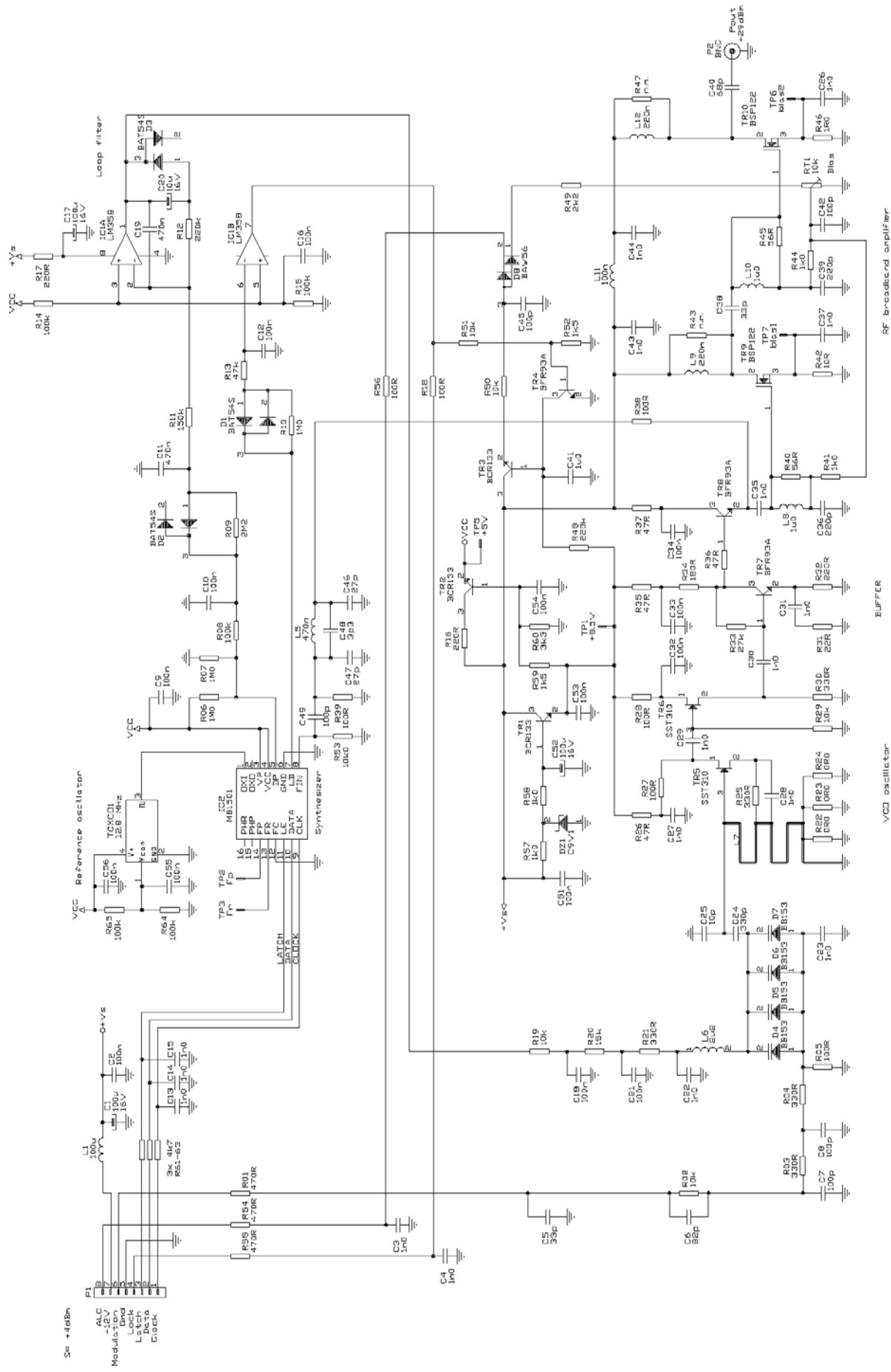
Drawing nr:

Replace:

Replaced with:



	Date	Name	Signature:	 Sistemas Electrónicos S.A.
Drawn	01/11/04	OMB Eng. Dpt.		
Checked				
Standards				
Scale:	Title: EM 250 COMPACT DIG Stereo encoder			Drawing nr:
				
				Replace:
				Replaced with:



RF broadband amplifier

REFFER

VCO oscillator

Drawn	Date	Name	Signature:	 Sistemas Electrónicos S.A.
Checked	01/11/04	OMB Eng. Dept.		
Standards				
Scale :		Title		
		EM 250 COMPACT DIG FM Exciter		
		Drawing nr:		
		Replace:		
		Replaced with:		



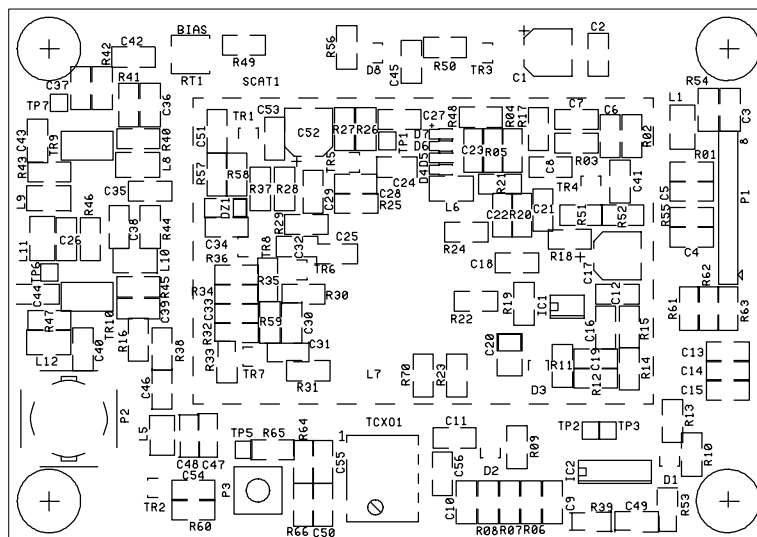
Sistemas Electrónicos S.A.

Drawing nr:

FM 250 COMPACT DIG
FM Exciter

Replace:	
----------	--

Replaced with:



	Date	Name	Signature:	 Sistemas Electrónicos S.A.
Drawn	01/11/04	OMB Eng. Dpt.		
Checked				
Standards				
Scale:	Title: EM 250 COMPACT DIG FM Exciter 			Drawing nr: 
				Replace: Replaced with:

D

C

B

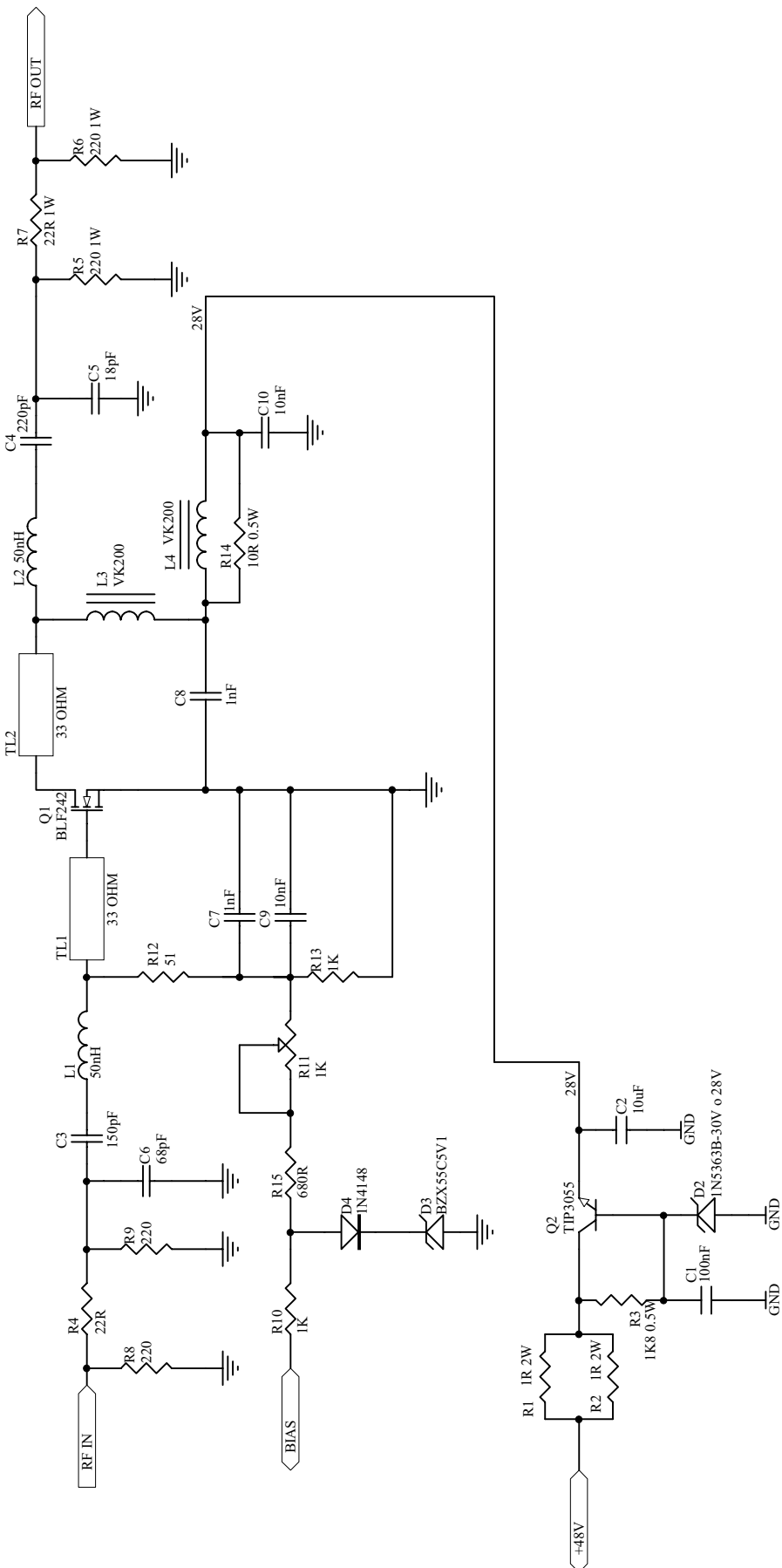
A

D

C

B

A



Drawing nr:
05.04.01.001

Replace:
Replaced with:

Signature:

Date	Name
06/06/02	OMB Eng. Dpt.
Checked	
Standards	

Title
EM 250 COMPACT DIG
7W FM Driver

D

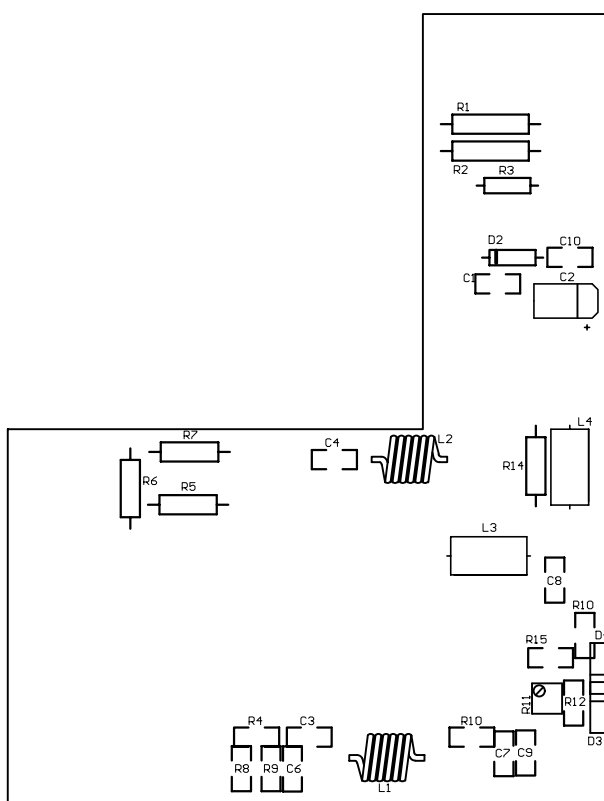
D

C

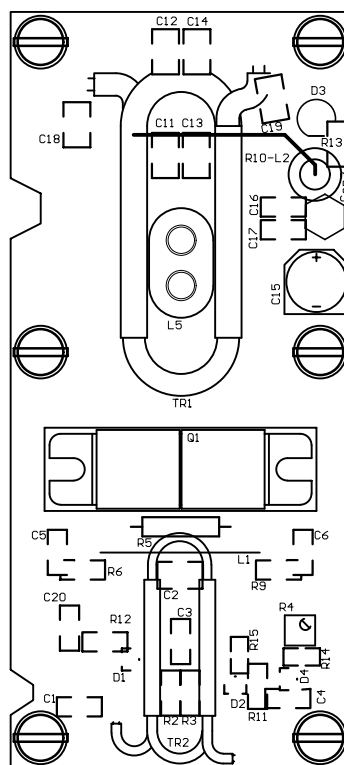
C

B

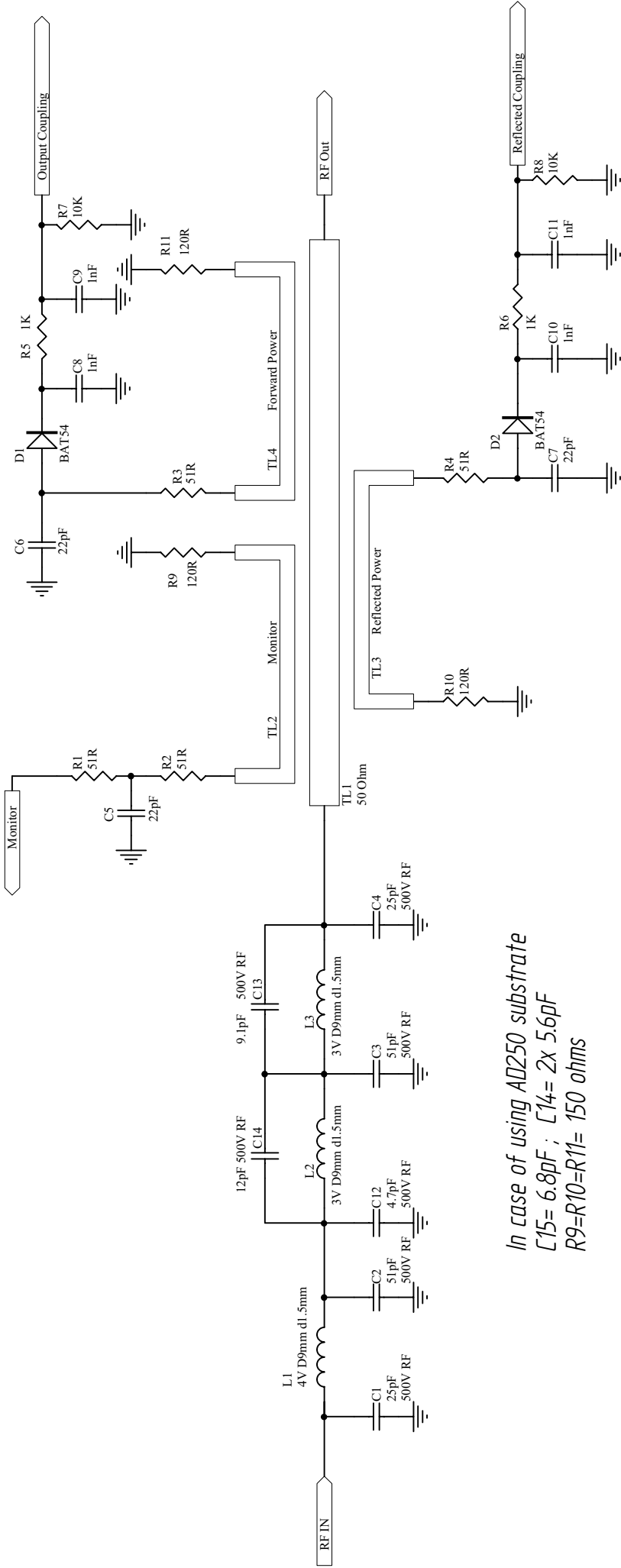
B



	<i>Date</i>	<i>Name</i>	<i>Signature:</i>	 Sistemas Electrónicos S.A.
<i>Drawn</i>	06/06/02	OMB Eng. Dpt.		
<i>Checked</i>				
<i>Standards</i>				
<i>Scale:</i>	<i>Title</i> Driver FM v1.2 7W FM Driver		<i>Drawing nr:</i> 05.01.01.000	
			<i>Replace:</i>	
			<i>Replaced with:</i>	

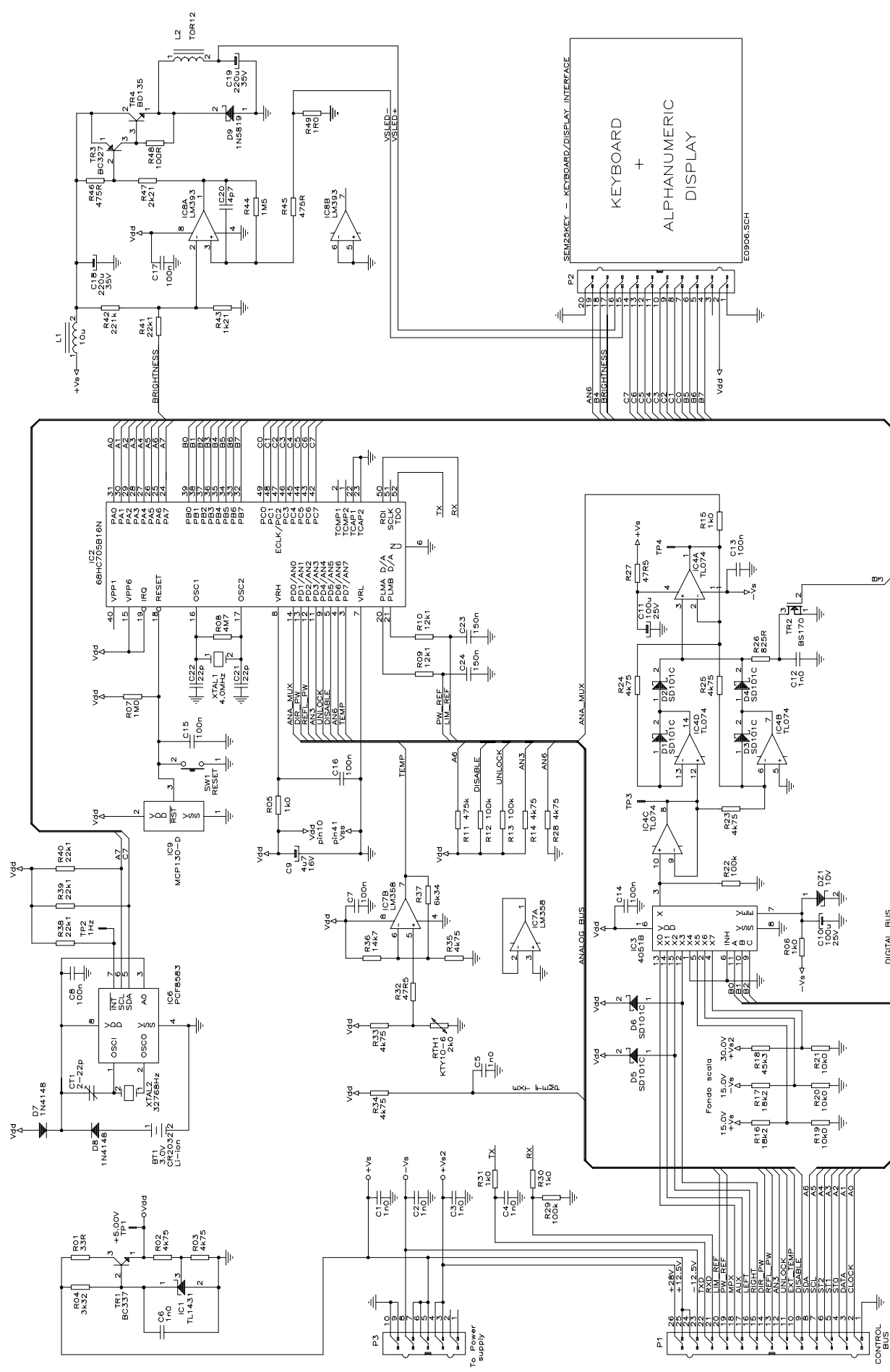


	Date	Name	Signature:	 Sistemas Electrónicos S.A.
Drawn	04/05/04	M. Tsvelev		
Checked				
Standards				
Scale:	Title: MODPOT v1.3 300W R.F. Power Amplifier 			Drawing nr: 
				Replace:
				Replaced with:



In case of using AD250 substrate
C15= 6.8pF ; C14= 2x 56pF
R9=R10=R11= 150 ohms

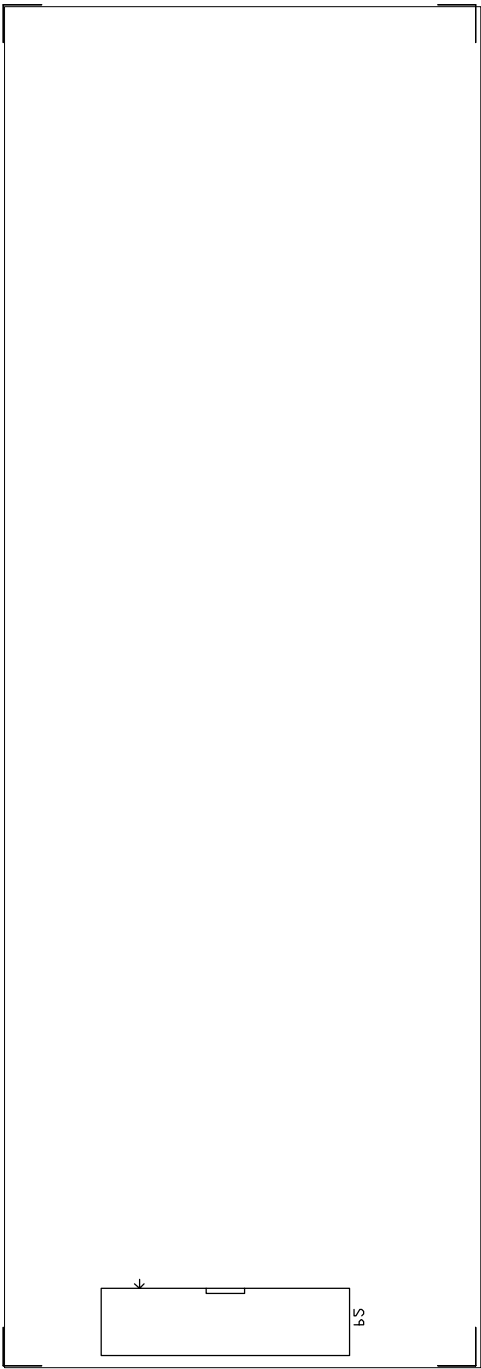
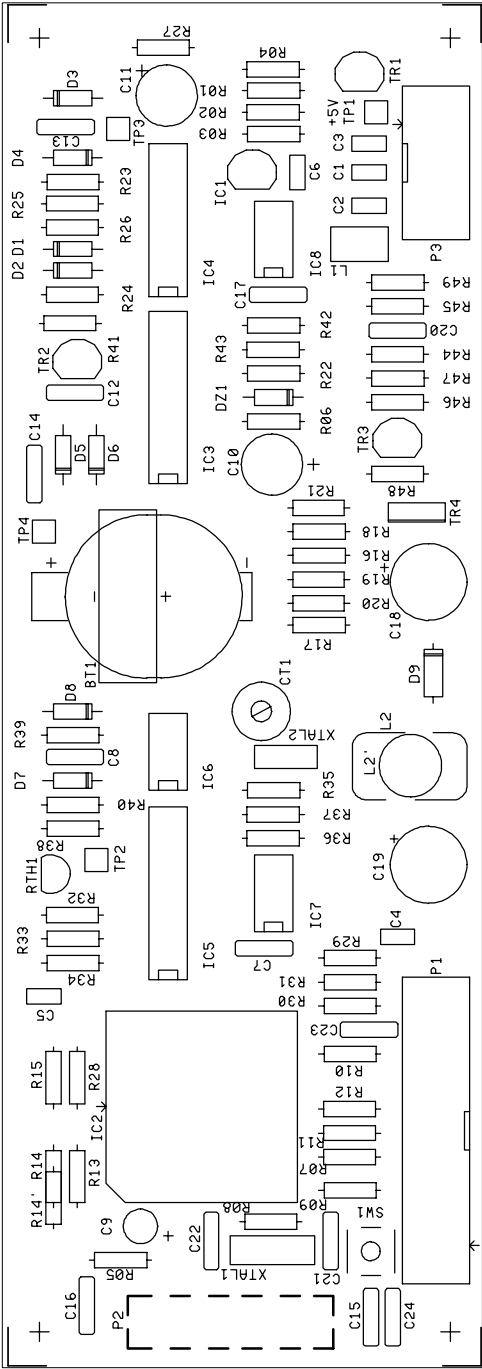
Date		Signature:		OMB	
Drawn		Name		Sistemas Electrónicos S.A.	
Checked		OMB Eng. Dpt.		Drawing nr:	
Standards				05.04.02.000	
Scale :		Title		Replace:	
		EM 250 COMPACT DIG		Replaced with:	
		300W FM Filter			



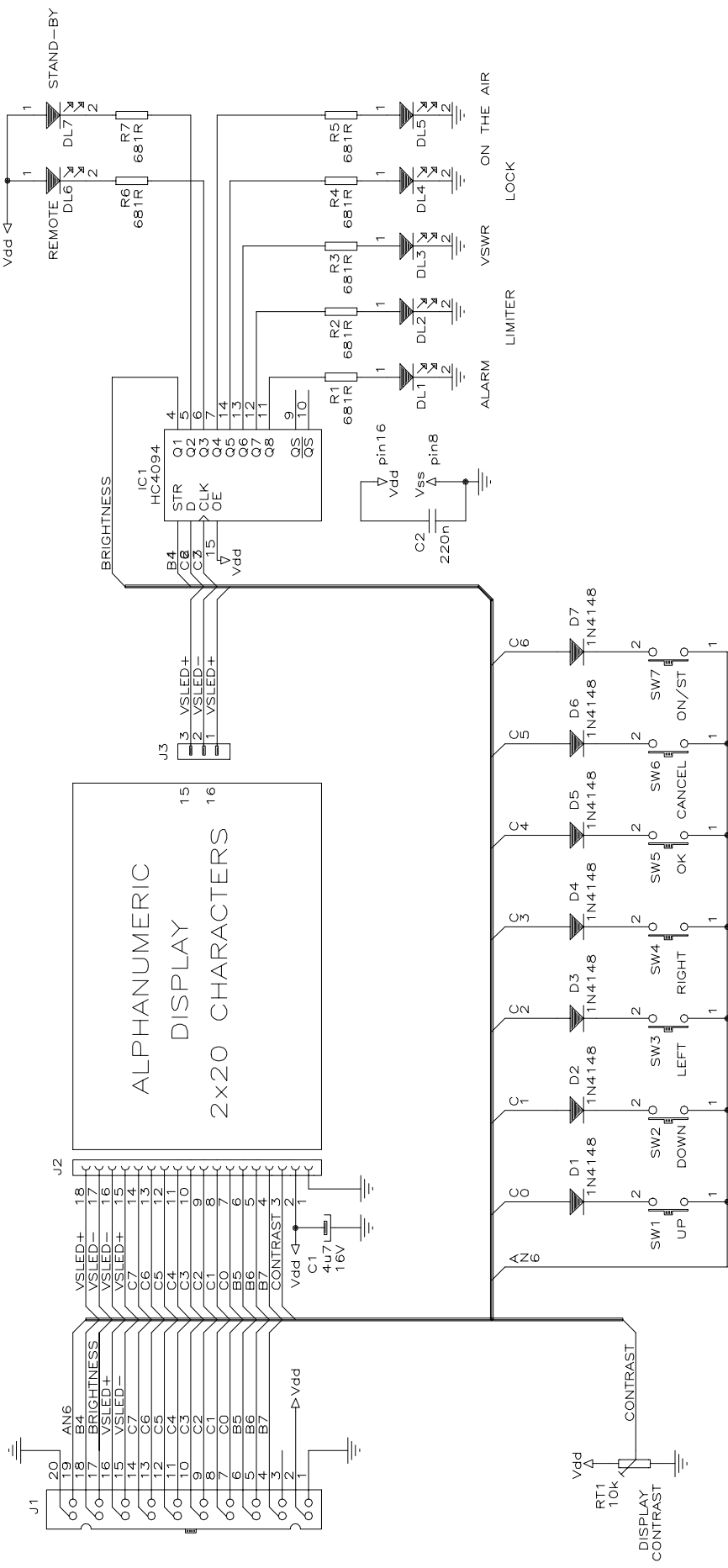
				
			Signature:	
	Date	Name		
Drawn	18/04/03	OMB Eng. Dnt.		
Checked				
Standards				
Scale :		Title	Drawing nr:	
		EM 250 COMPACT DIG		
		Control unit	Replace:	
			Replaced with:	

Component side

Solder side

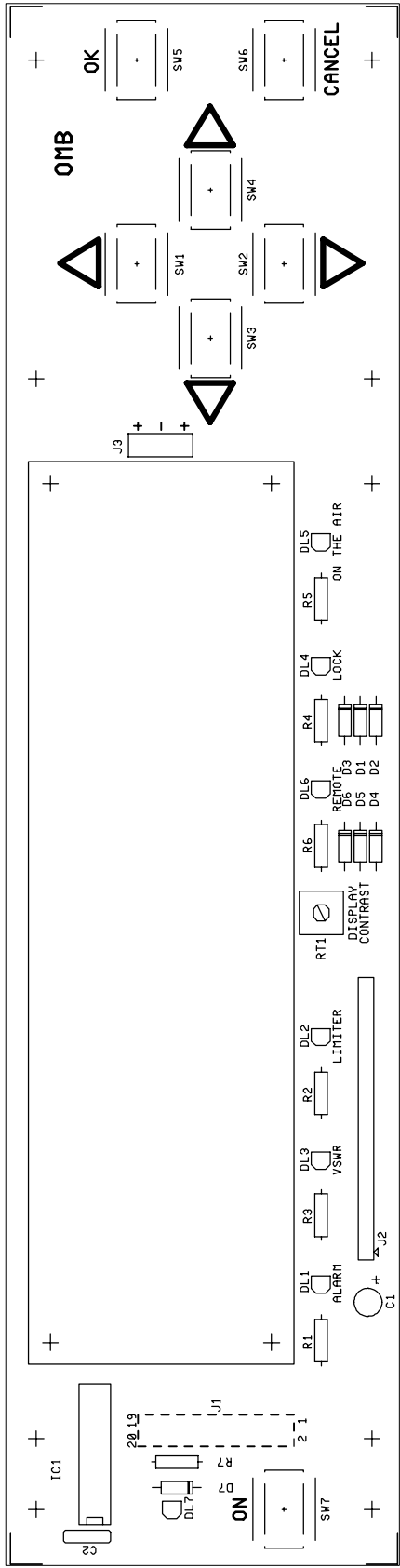


	Date	Name	Signature:	 Sistemas Electrónicos S.A.	
Drawn	18/04/03	OMB Eng. Dpt.			
Checked					
Standards					
Scale:	Title:	EM 250 COMPACT DIG Control unit			Drawing nr:
					Replaced with:

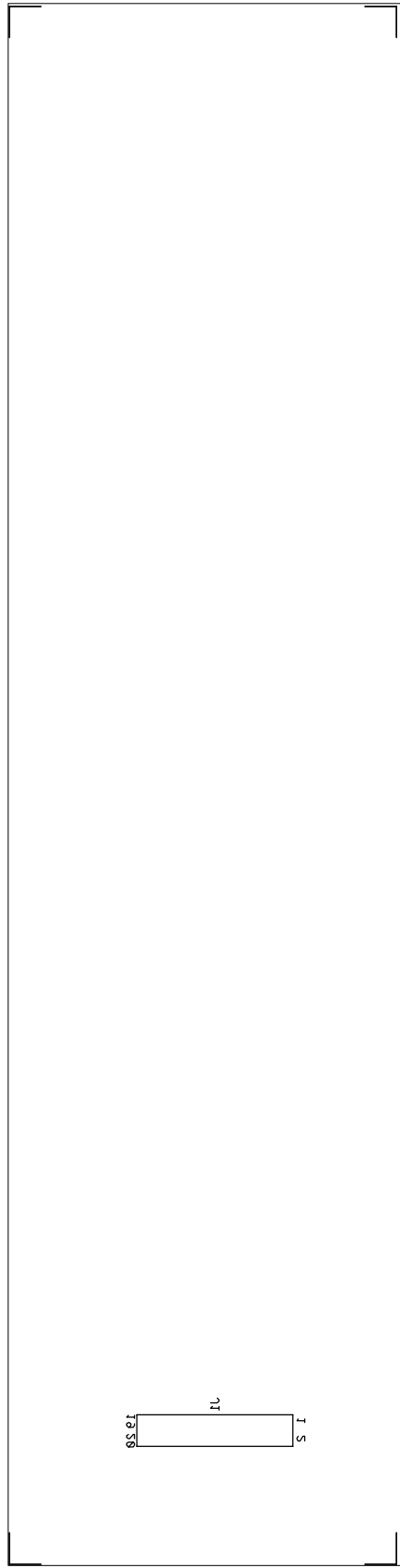


KEYBOARD

Date		Signature:		OMB		Sistemas Electrónicos S.A.	
Drawn		Name		16/07/02		Drawing nr:	
Checked		OMB Eng. Opt.				Replace:	
Standards						Replaced with:	
Scale :		Title		EM 250 COMPACT DIG			
				Keyboard/display interface			

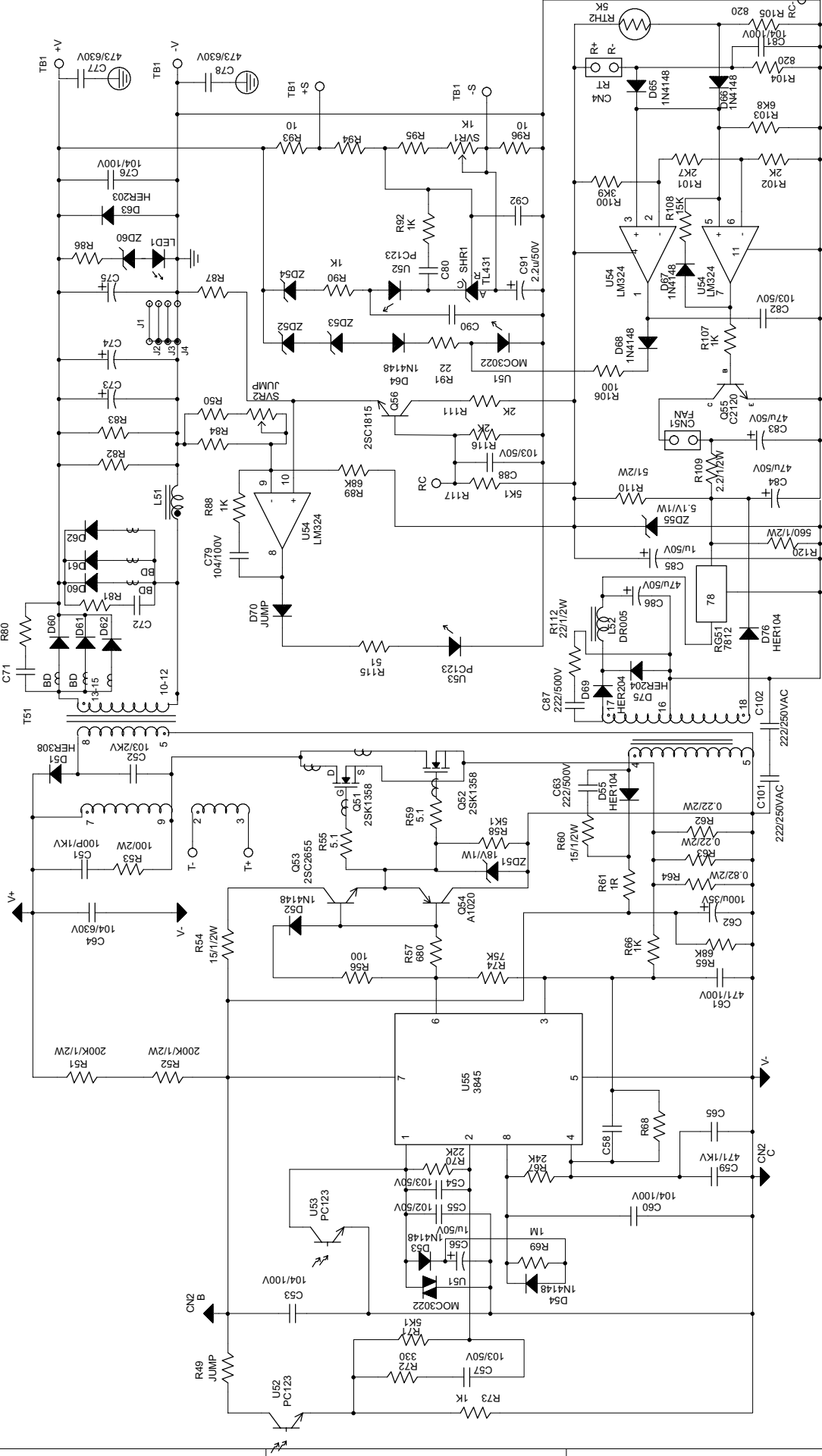


COMPONENT SIDE



SOLDER SIDE

	Date	Name	Signature:	 Sistemas Electrónicos S.A.
Drawn	16/07/02	OMB Eng. Dpt.		
Checked				
Standards				
Scale:	Title:	EM 250 COMPACT DIG Keyboard / display interface		Drawing nr:
				Replace:
				Replaced with:



SP-500B DIFFERENT COMPONENT:

PART NO	C71.72	R80.81	D60.61	L51	R82.83	C73.74	R86	R94	R95	C80	R87	T51	1.40	C92
MODEL	222 /500V	10/1W	C25P06Q	TR127	220 /2W	1000n /35V	1K	6K8	1K5	1u/50V	910	TF407	J1,J2 J3,J4	X
12V	222 /500V	10/1W	C25P06Q	TR127	220 /2W	1000n /35V	1K	10K	1K8	1u/50V	1K2	TF400	J1,J2 J3,J4	X
13.5V	222 /500V	10/1W	C25P06Q	TR127	220 /2W	1000n /35V	1K	10K	1K5	1u/50V	1K2	TF401	J1,J2 J3,J4	X
15V	222 /500V	15/1W	D8202	TR129	270 /2W	1000n /35V	1K	10K	1K5	1u/50V	1K2	TF402	J1,J2 J3,J4	X
24V	471 /1K	22/1W		TR130	680 /2W	1000n /35V	2K2	20K	2K	1u/50V	910	TF403	J1,J2 J3	X
27V	331 /1K	27/1W		TR131	1K /2W	470n /50V	2K2	24K	2K	24 /100V	820	TF404	J2,J3	X
48V	221 /1K	39/1W	D8202	TR132	3K3 /2W	220u /63V	6K8 /12W	36K	1K5	224 /100V	910	TF404	J2,J3	221/1KV

Signature:

Date

Name

Drawn

Checked

Standards

20/04/01

Scale :

Title: EM 250 COMPACT DIG

Switching Power Supply SP-500/48B

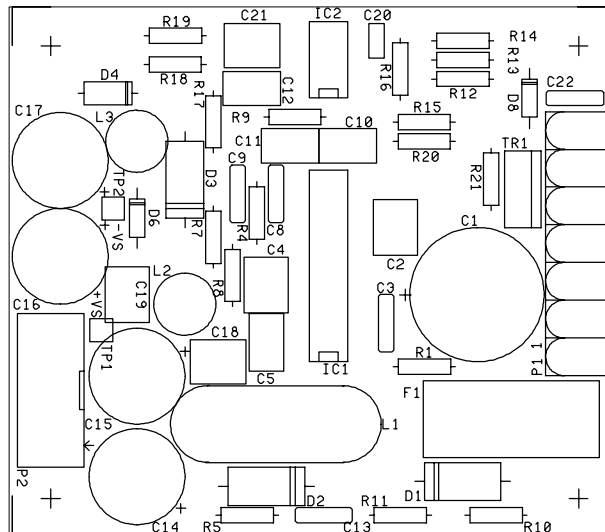
Sistemas Electronicos S.A.

Drawing nr:

Replace:

Replaced with:

1 2 3 4 5 6 7 8



	<i>Date</i>	<i>Name</i>	<i>Signature:</i>	 Sistemas Electrónicos S.A.
<i>Drawn</i>	23/04/03	OMB Eng. Dpt.		
<i>Checked</i>				
<i>Standards</i>				
<i>Scale:</i>	<i>Title:</i> EM 250 COMPACT DIG Aux. Power Supply		<i>Drawing nr:</i>	
			<i>Replace:</i>	
			<i>Replaced with:</i>	