



FREQUENCY MODULATION BAND II

MODULATOR / EXCITER

87.5-108.0 MHz

EM-25 DIG

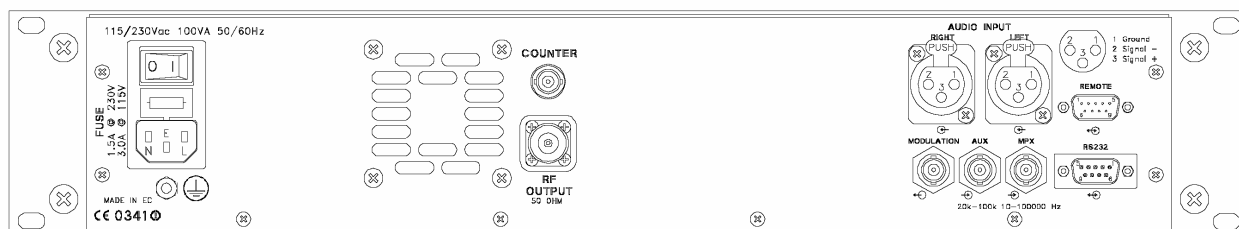
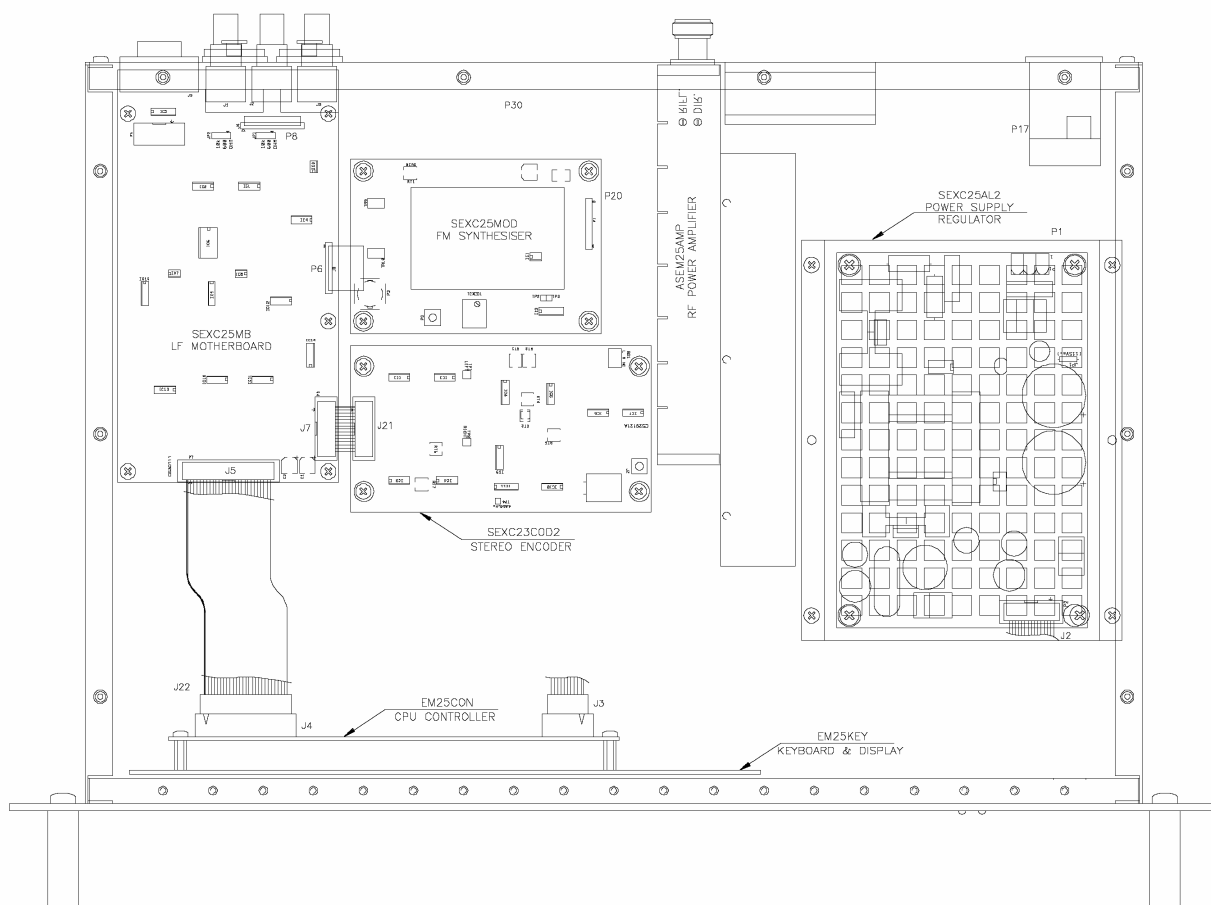
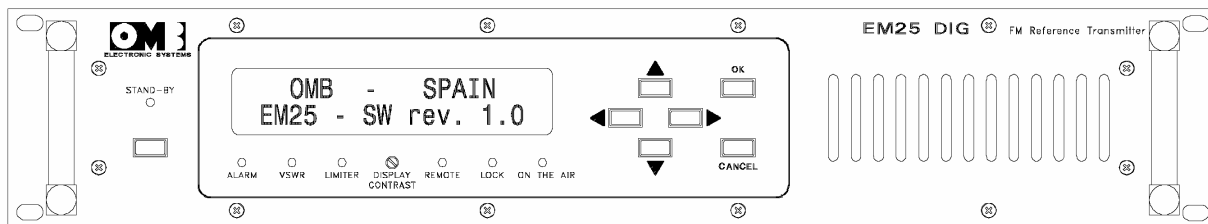
Chapter V.

SCHEMATICS & DIAGRAMS

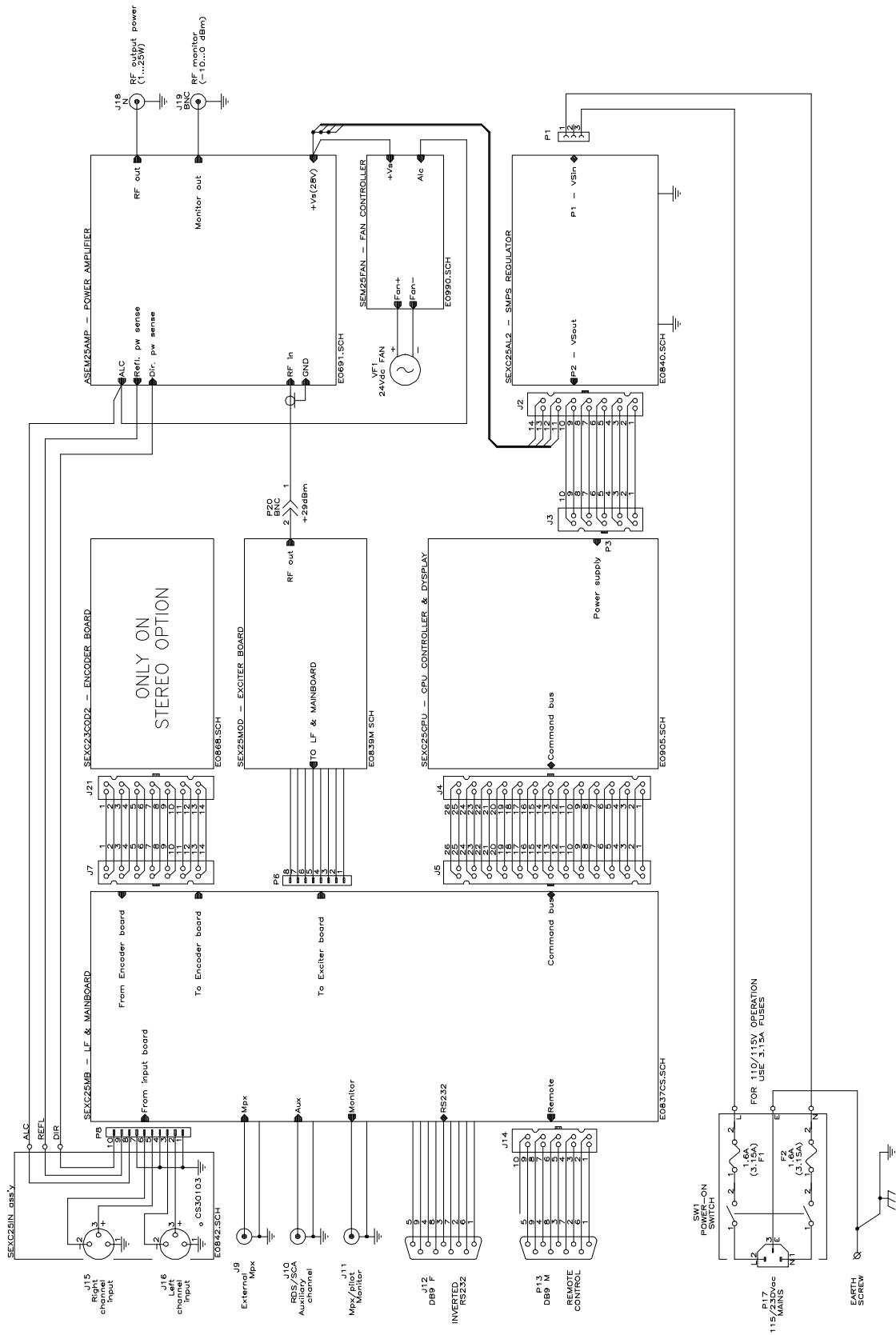
This Chapter offers a compilation of all Schematics & Components Location Diagrams corresponding to all Units & Boards of EM-25 DIG Modulator/Exciter. We recommend its study together with the reading of Chapter III of this Manual.

Description of all parts & components is given and specified at each particular Schematic Electric Diagram. Hence, it's not required to include an extensive List of Parts in this Manual. All capacitors are specified as 50 vDC, unless otherwise is specified, and resistors are 1/4 watt, metal-film ,5%, unless otherwise is specified. Resistors with thermal dissipations higher than 2 watts are nichrome-type, ceramic-encapsulated.

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Drawn	Date	Name	Signature:	 Sistemas Electrónicos S.A.
Checked	01/11/04	OMB Eng. Dpt.		
Standards				
Scale:	Title: EM 25 DIG			Drawing nr. :
	Mechanical assembly view			Replace:
				Replaced with:



Date		Signature:	
Drawn	01/11/04	Name	OMB Eng. Dpt.
Checked			
Standards			
Scale :	Title: EM 25 DIG		
		General wiring Diagram	
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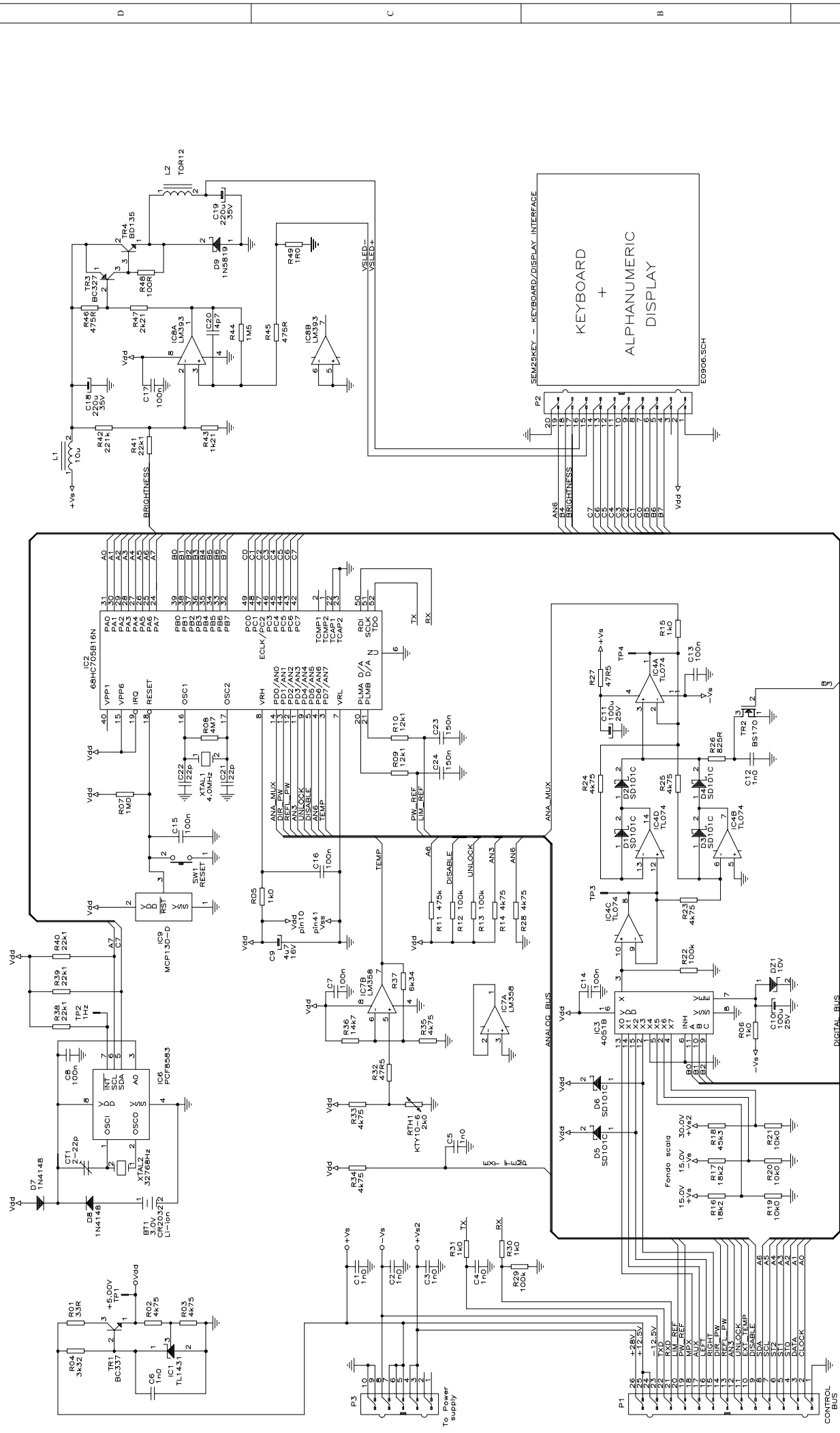


Sistemas Electrónicos S.A.

Drawing nr:

Replace:

Replaced with:



	Date	Name	Signature:	 Sistemas Electrónicos S.A.
Drawn	18/04/03	OMB Eng. Dpt.		
Checked				
Standards				
Scale :		Title:		Drawing nr:
		EM 25 DIG		
		Control unit		Replace:
				Replaced with:



Sistemas Electrónicos S.A.

Drawing nr:

Scale :	Title:
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EM 25 DIG

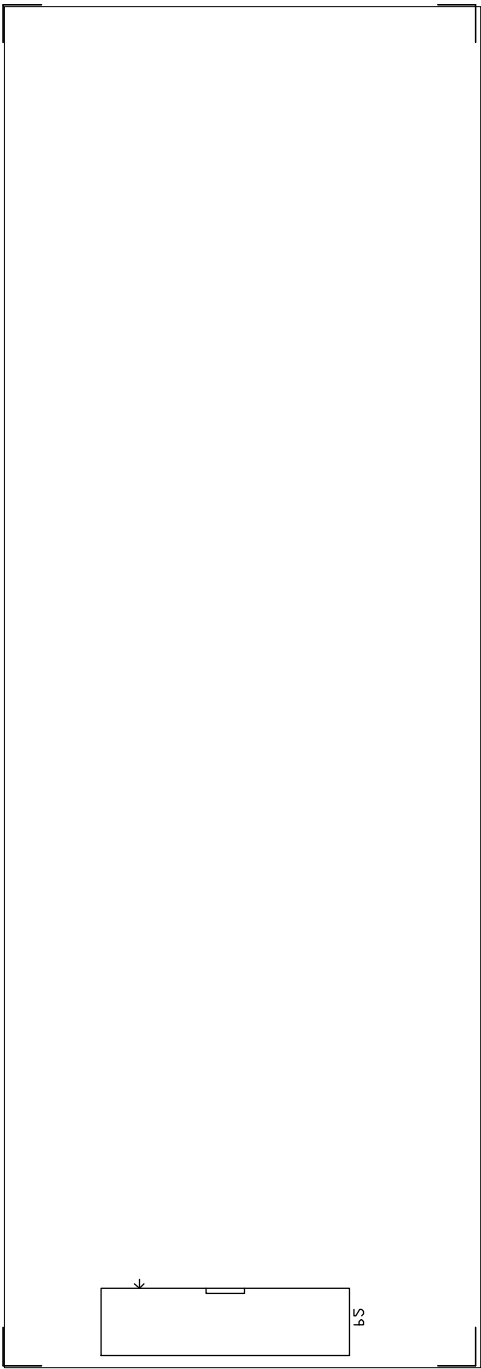
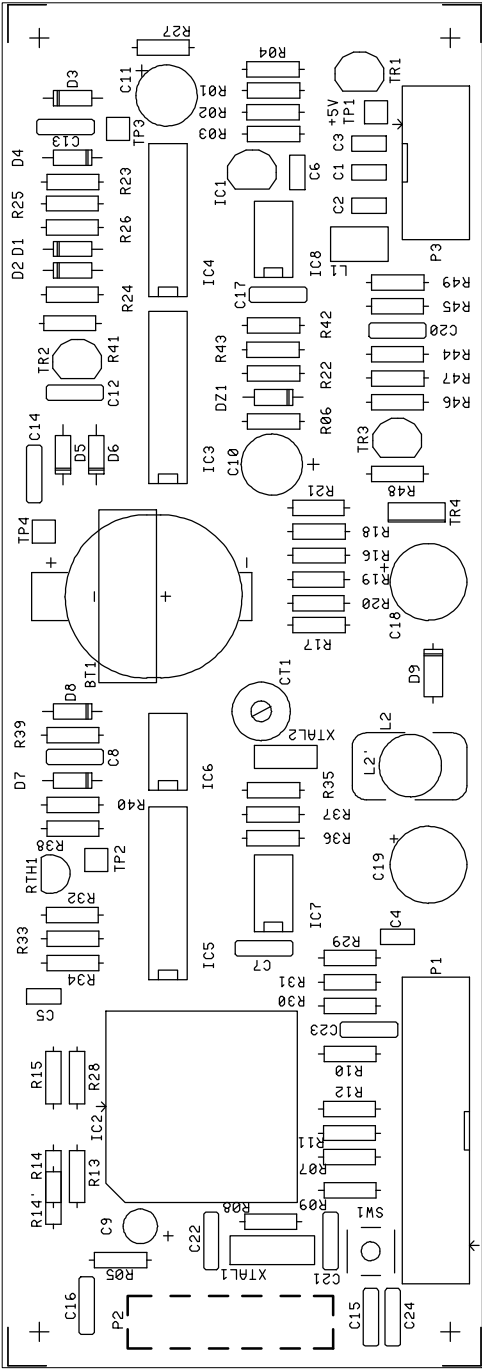
Control unit

Replace:

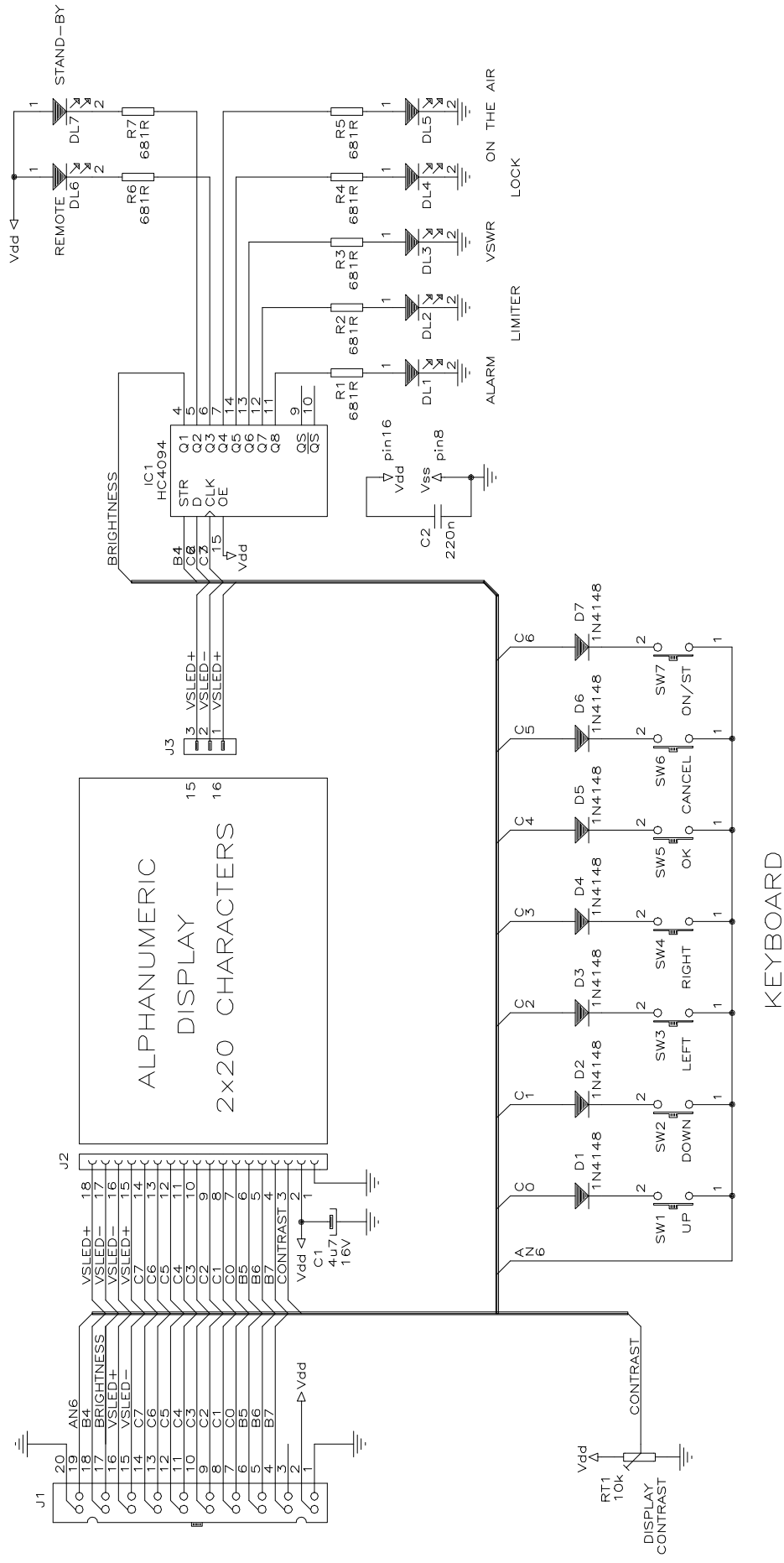
Replaced with:

Component side

Solder side

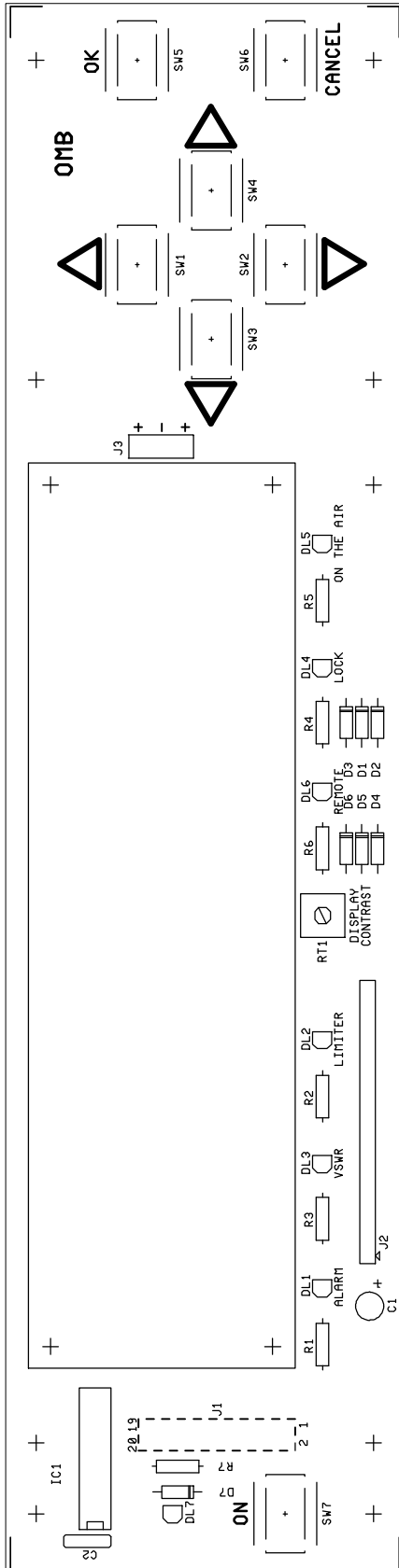


	Date	Name	Signature:	 Sistemas Electrónicos S.A.	
Drawn	18/04/03	OMB Eng. Dpt.			
Checked					
Standards					
Scale:	Title: EM 25 DIG Control unit 			Drawing nr:	
				Replace:	
				Replaced with:	

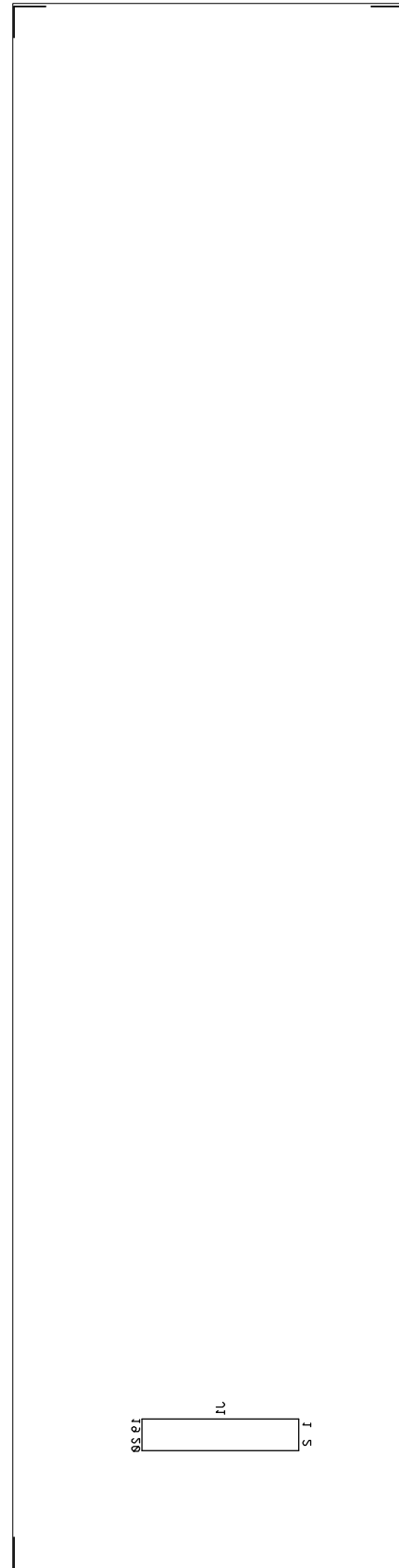


KEYBOARD

						 Sistemas Electronicos S.A.
		Signature:				
Drawn	Date	Name				
Checked	16/07/02	OMB Eng. Opt.				
Standards						
Scale :	Title:		EM 25 DIG			Drawing nr:
			Keyboard / display interface			Replace:
						Replaced with:

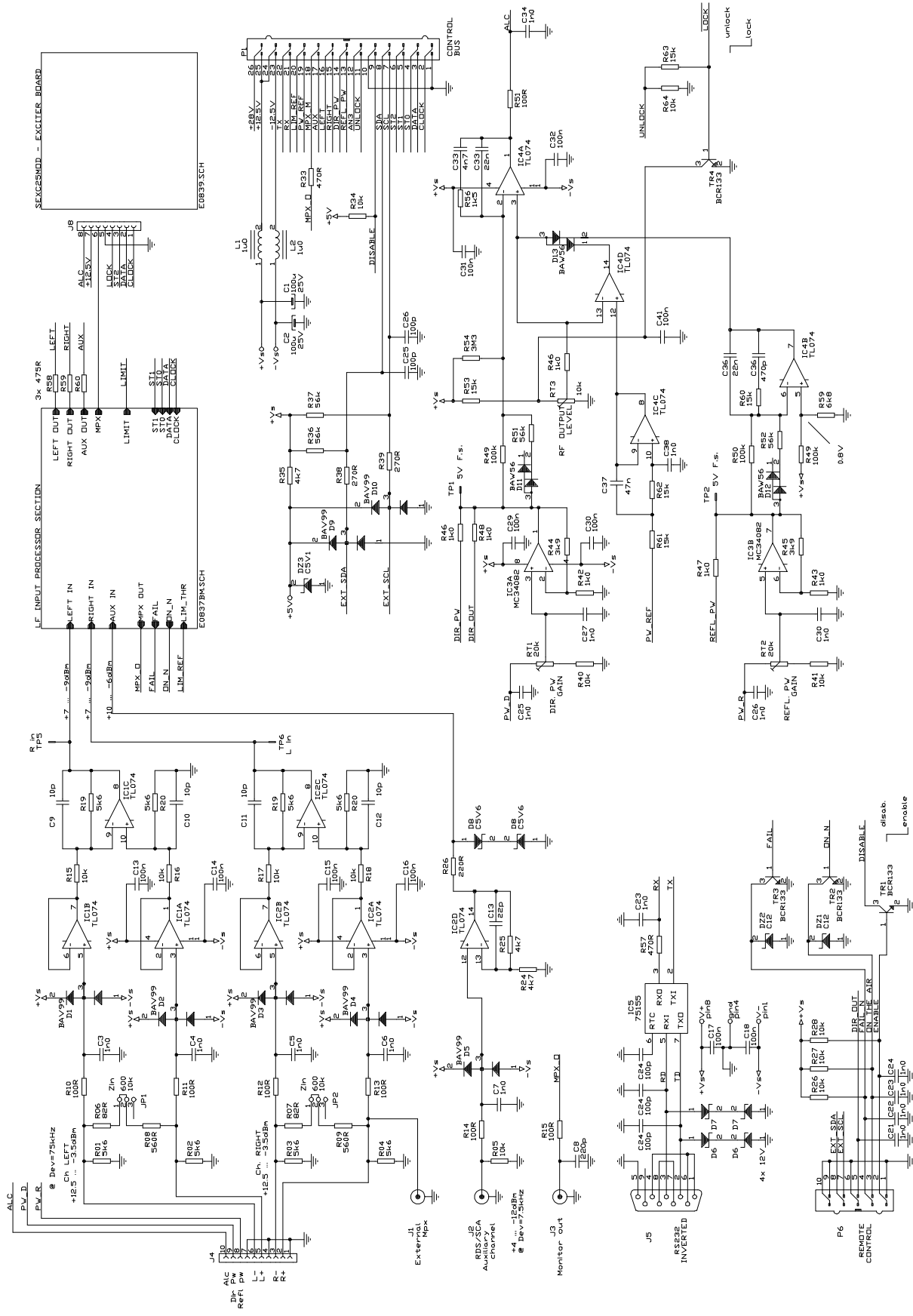


COMPONENT SIDE



SOLDER SIDE

	Date	Name	Signature:	 Sistemas Electrónicos S.A.
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Checked				
Standards				
Scale:	Title:	EM 25 DIG		Drawing nr:
	Keyboard / display interface			
			Replace:	
			Replaced with:	



Sistemas Electrónicos S.A.

Drawing nr:

Signature: _____

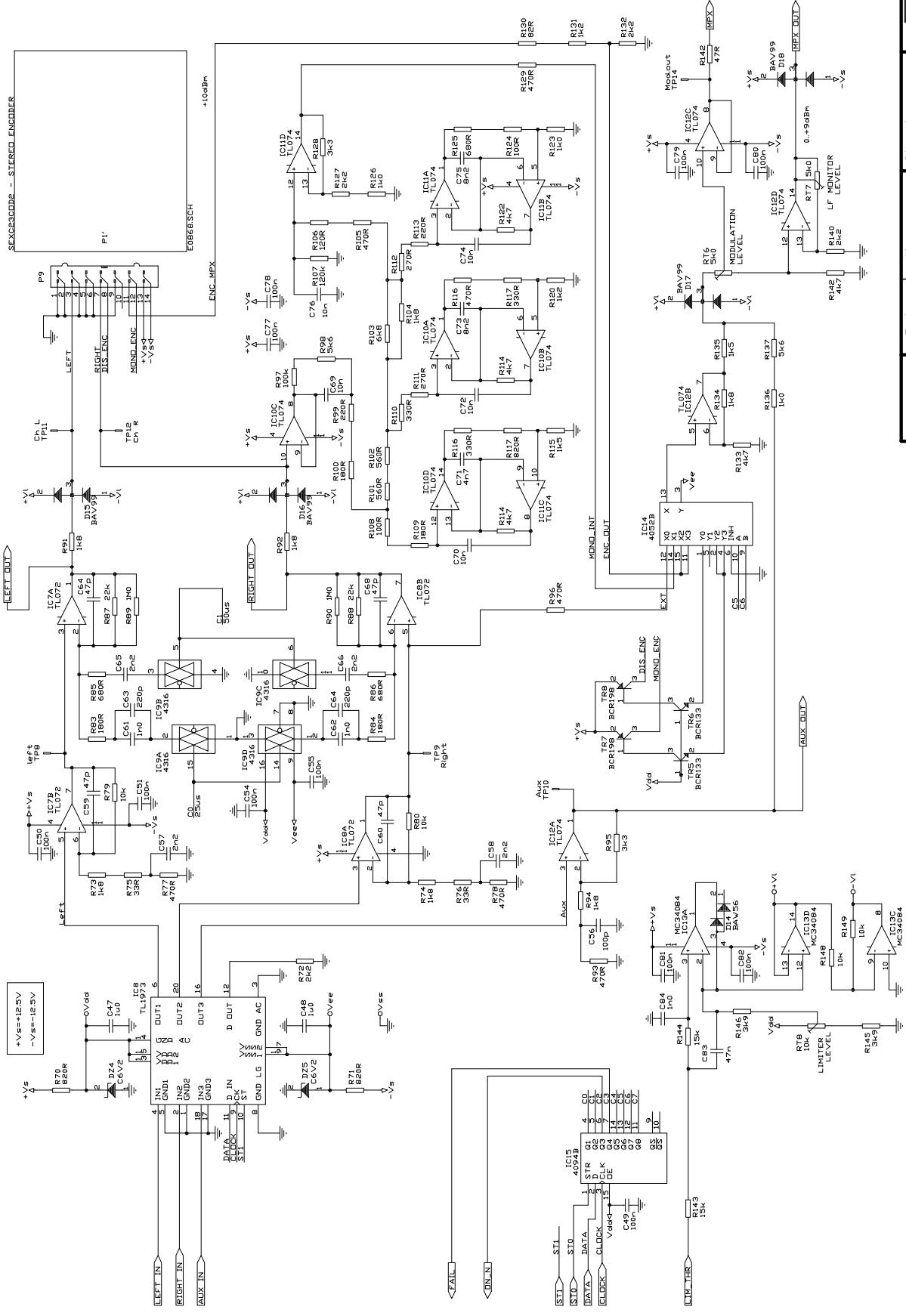
		Date	Name
Drawn		01/11/04	OMB Enq. Dpt.

Title:

EM 25 DIG

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

Replaced with:	
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Date		Signature:	
Drawn		10/11/04 OMB Eng. Dpt.	
Checked			
Standards			
Scale :		Title:	
		EM 25 DIG	
		MAINBOARD - LF Process Section	
		Replace:	
		Replaced with:	



Drawing nr:

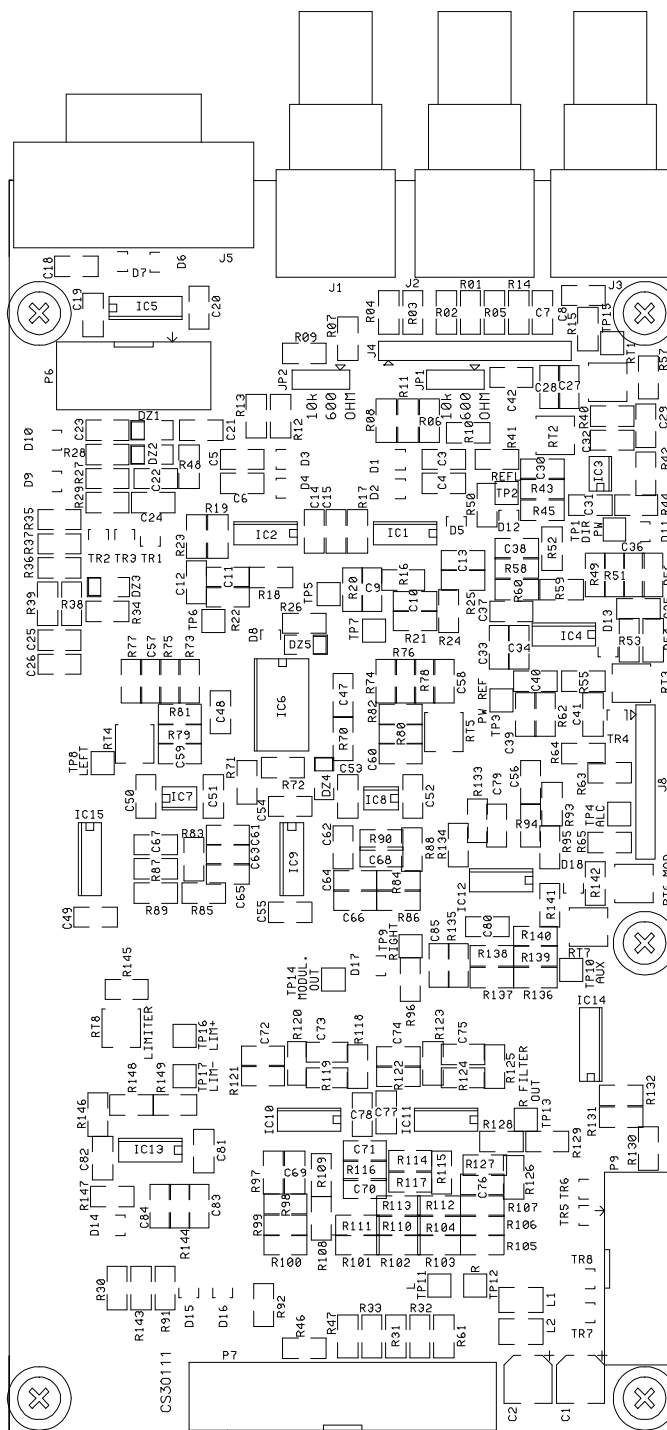
Replace:
Replaced with:

Date		Signature:	
Drawn		10/11/04 OMB Eng. Dpt.	
Checked			
Standards			
Scale :		Title:	
		EM 25 DIG	
		MAINBOARD - LF Process Section	
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		Replaced with:	

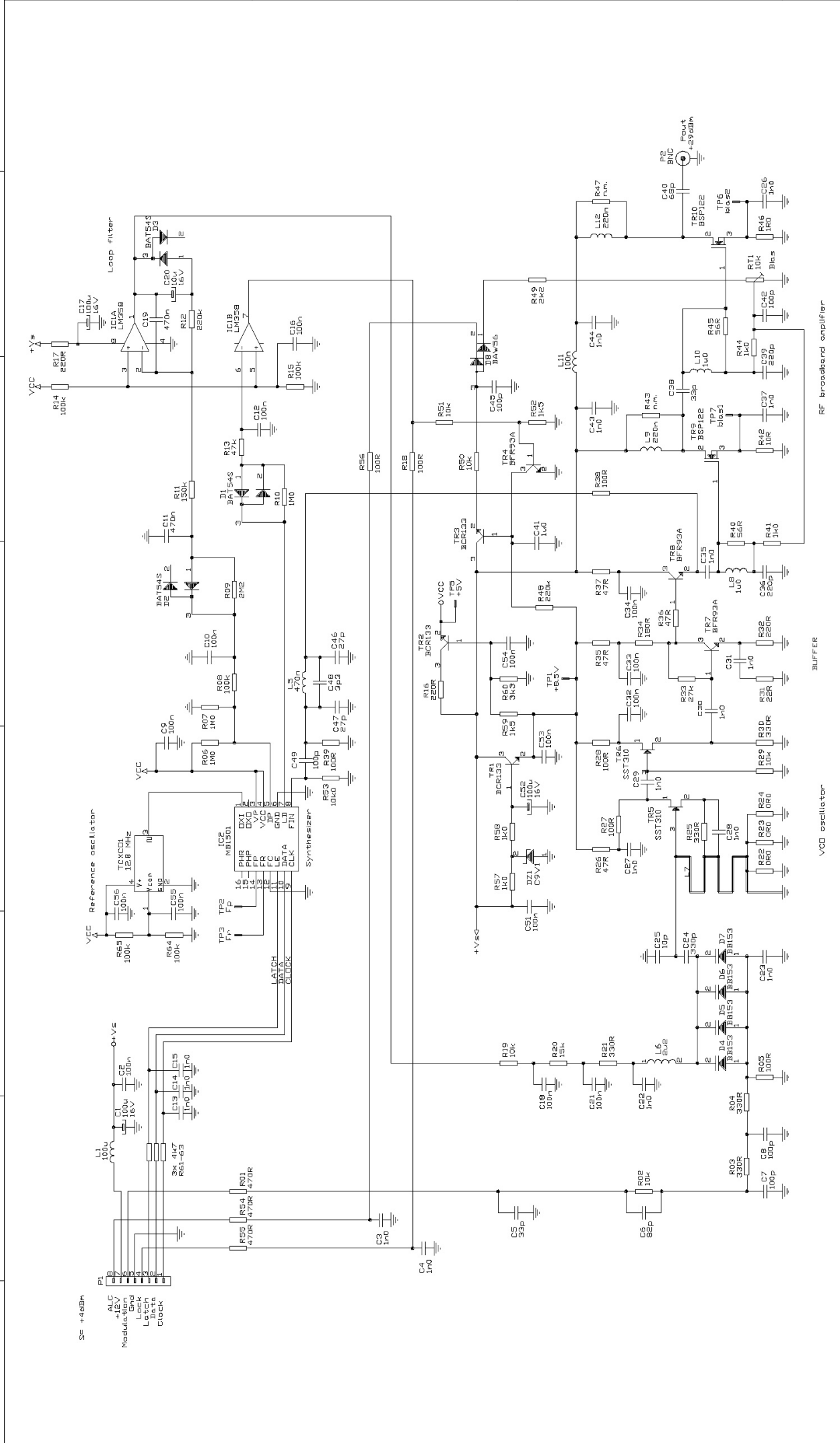


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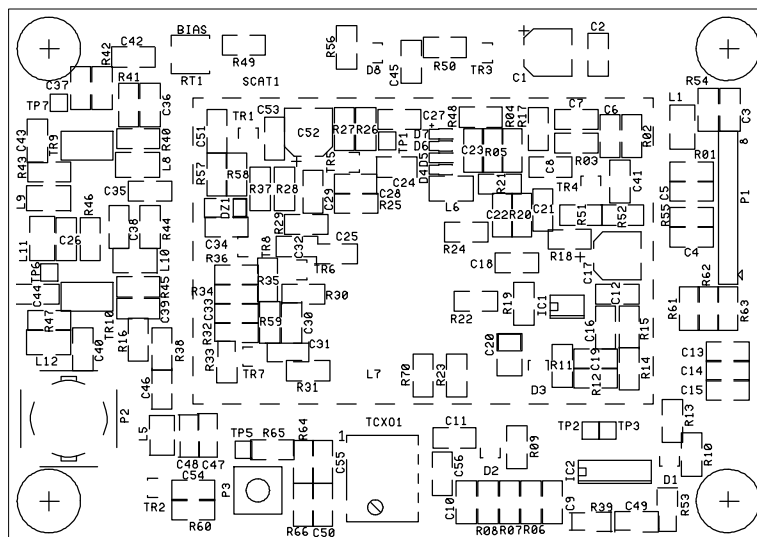
Replace:
Replaced with:



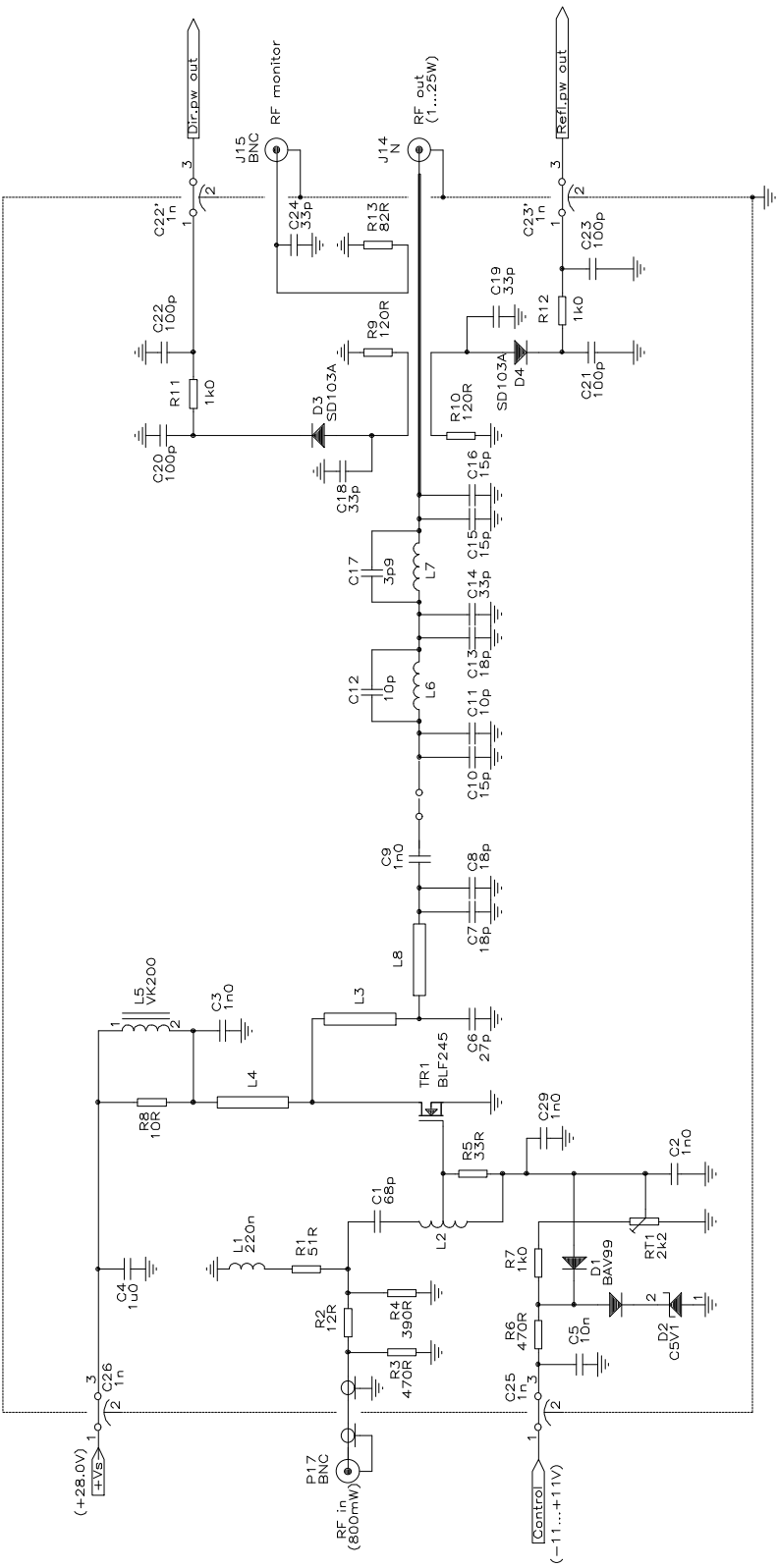
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Drawn	01/11/04	OMB Eng. Dpt.		
Checked				
Standards				
Scale:	Title:	EM 25 DIG Mainboard		Drawing nr:
				Replace:
				Replaced with:



 Sistemas Electrónicos S.A. Drawing nr:	Signature: Date Name	Drawn Checked Standards	Title: EM 25 DIG FM Exciter
	01/11/04 OMB Eng. Dpt.		



	Date	Name	Signature:	 Sistemas Electrónicos S.A.
Drawn	01/11/04	OMB Eng. Dpt.		
Checked				
Standards				
Scale:	Title: EM 25 DIG FM Exciter 			Drawing nr: 
				Replace: Replaced with:



Sistemas Electrónicos S.A.

Drawing nr:

Signature:

Date	Name
01/11/04	OMB Eng. Dpt.
Checked	
Standards	

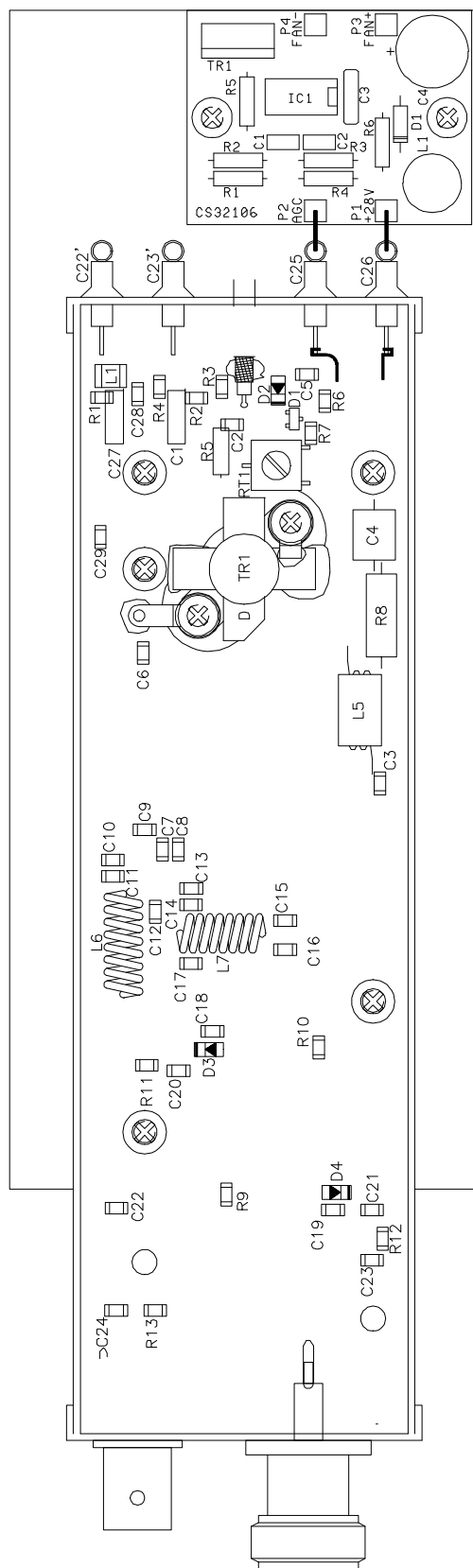
Title:

EM 25 DIG

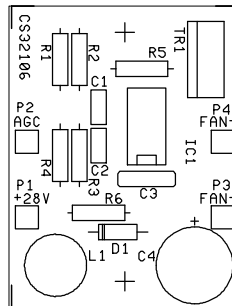
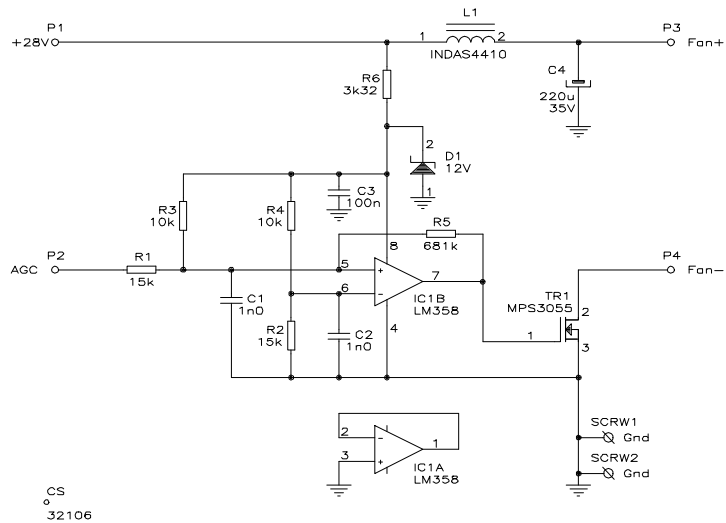
FM 25W Power Amplifier

Replace:

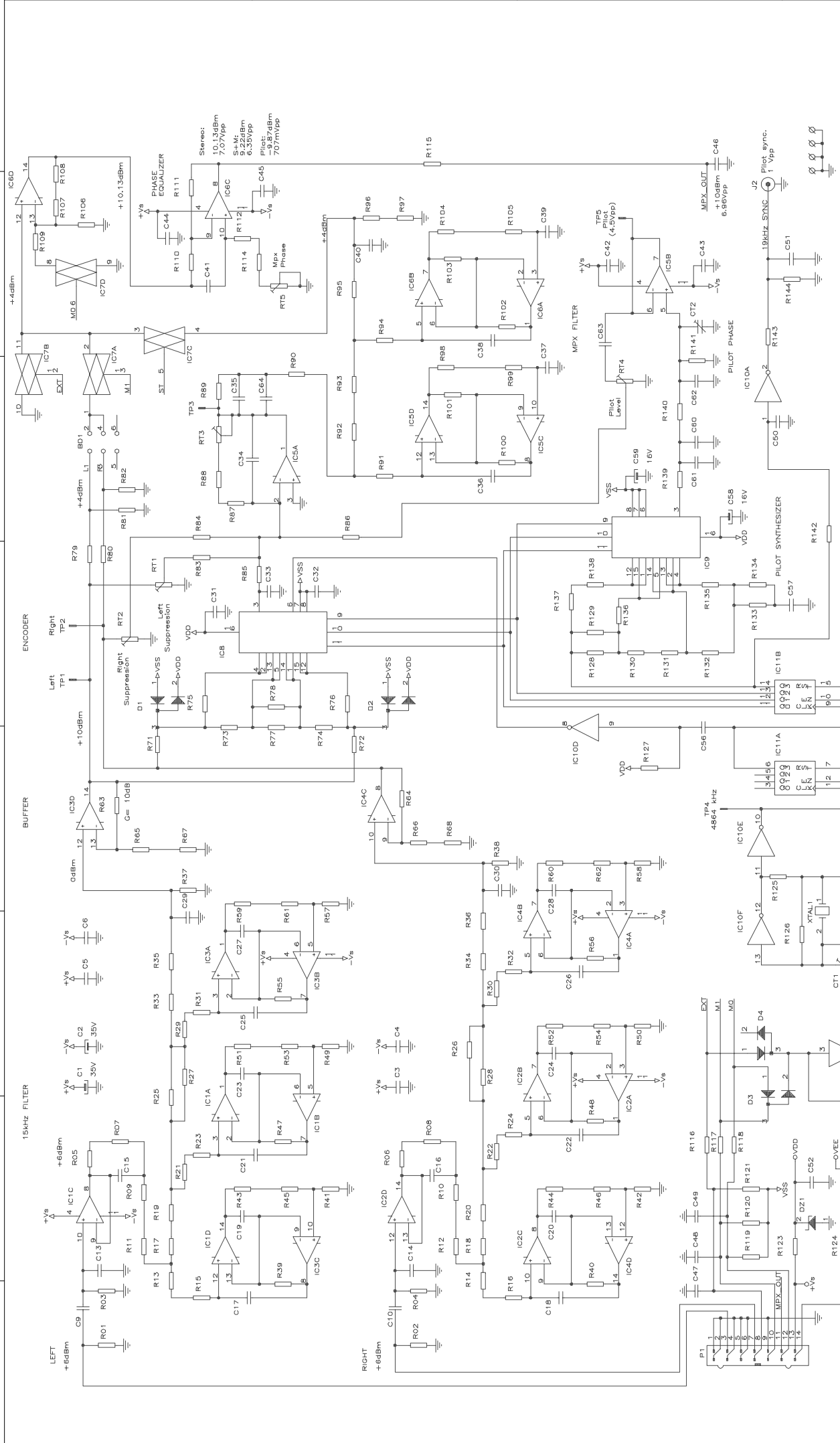
Replaced with:



	Date	Name	Signature:	 Sistemas Electrónicos S.A.
Drawn	01/11/04	OMB Eng. Dpt.		
Checked				
Standards				
Scale:	Title: EM 25 DIG FM 25W Power Amplifier 			Drawing nr: 
				Replace:
				Replaced with:



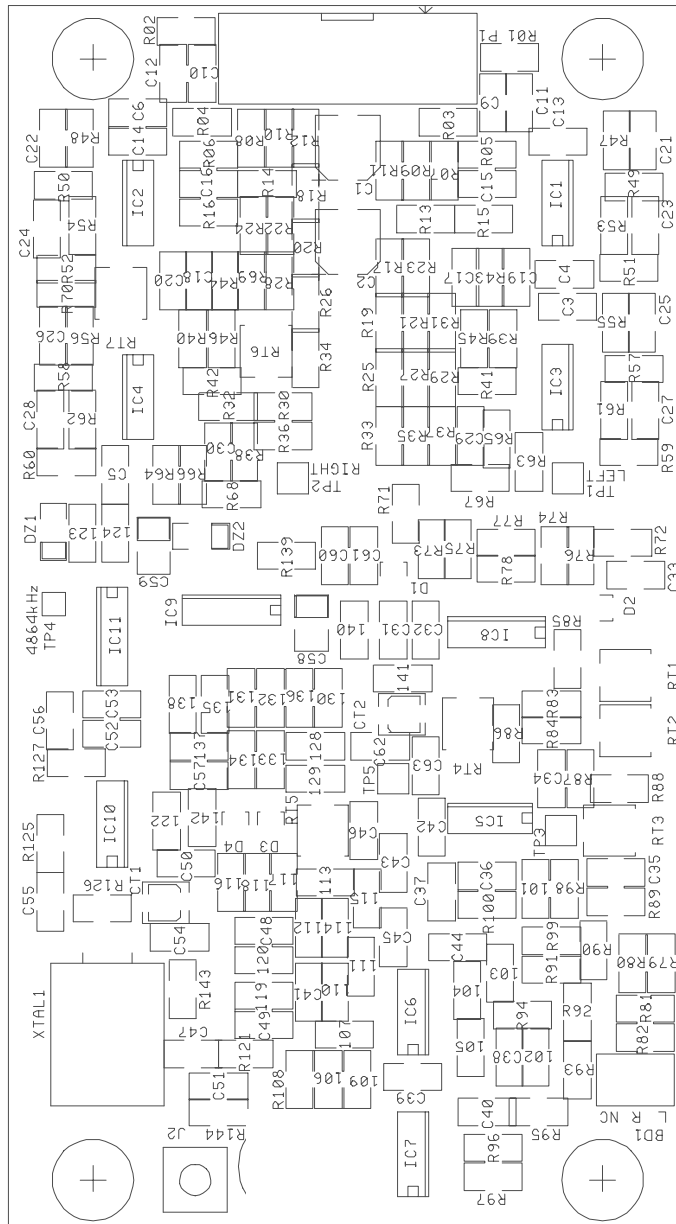
	Date	Name	Signature:	 Sistemas Electrónicos S.A.
Drawn	01/11/04	OMB Eng. Dpt.		
Checked				
Standards				
Scale:	Title: EM 25 DIG Fan controller board 			Drawing nr: 
				Replace:
				Replaced with:



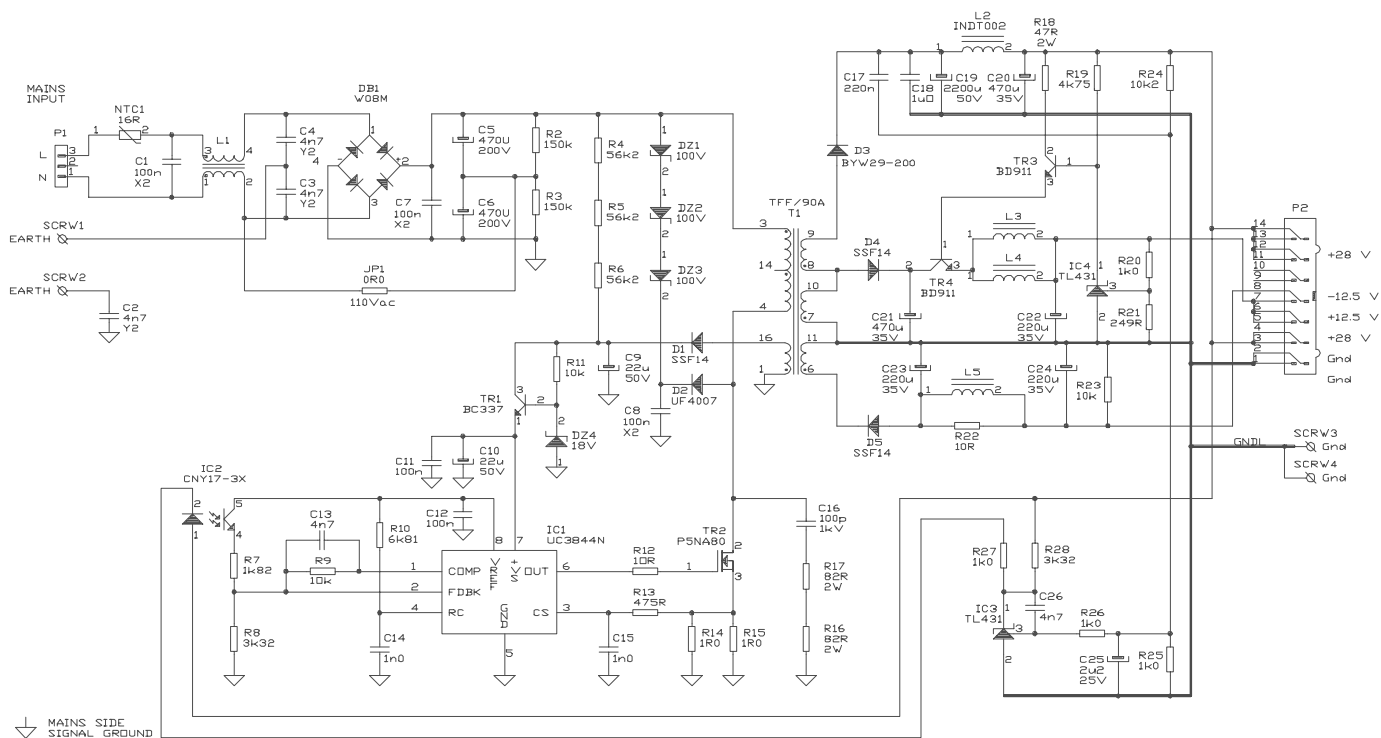
Signature:		Signature:	
Date	Name	Date	Name
01/11/04	OMB Eng. Dpt.		
Drawn	Checked	Standards	Scale :
Title:		Title:	
EM 25 DIG		Stereo encoder	
Stereo encoder		Stereo encoder	
Replace:		Replace:	
Replaced with:		Replaced with:	

OMB Sistemas Electrónicos S.A.

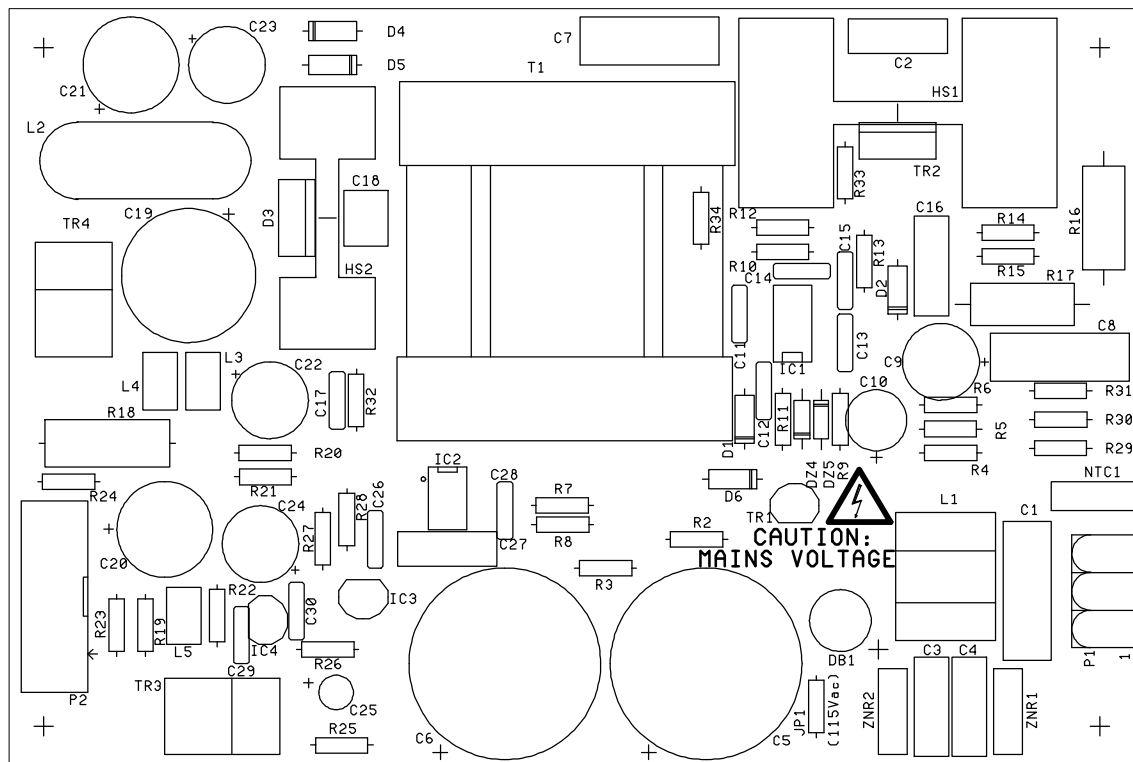
Drawing nr:



	Date	Name	Signature:	 Sistemas Electrónicos S.A.
Drawn	01/11/04	OMB Eng. Dpt.		
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Standards				
Scale:	Title: EM 25 DIG Stereo encoder 			Drawing nr: 
				Replace:
				Replaced with:



	Date	Name	Signature:	 Sistemas Electrónicos S.A.
Drawn	01/11/04	OMB Eng. Dpt.		
Checked				
Standards				
Scale :	Title:			Drawing nr:
	EM 25 DIG			
	Power Supply Regulator			
	Replace:			
	Replaced with:			



	Fecha	Nombre:	Firma:	 Sistemas Electrónicos S.A.
Dibujado	01/11/04	OMB Eng. Dpt.		
Comprobado				
Ids Normas				
Escala:	Título: EM 25 DIG Power Supply Regulator			N° Plano: 
				Sustituye a: Sustituido por: