

BLOCK DIAGRAM(S) OF THE EUT

Block Diagram Description

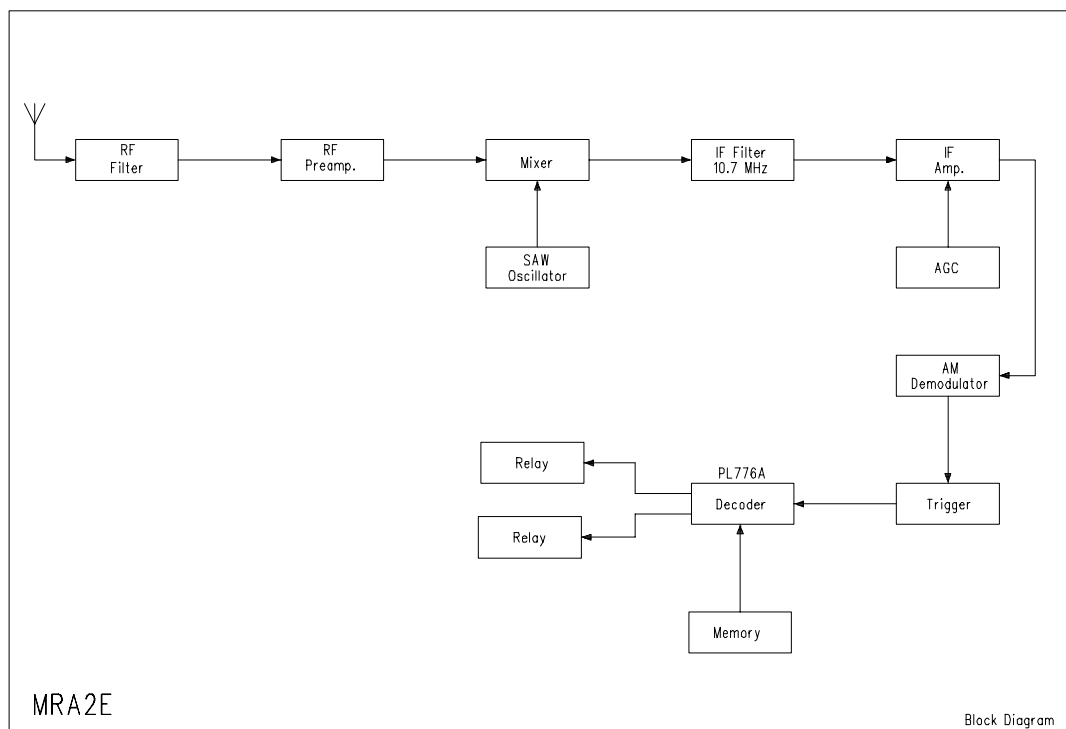
The Controller Board of the EUT is provided with:

- ceramic resonator X1 = 4 MHz

Contained in PL118 radio module:

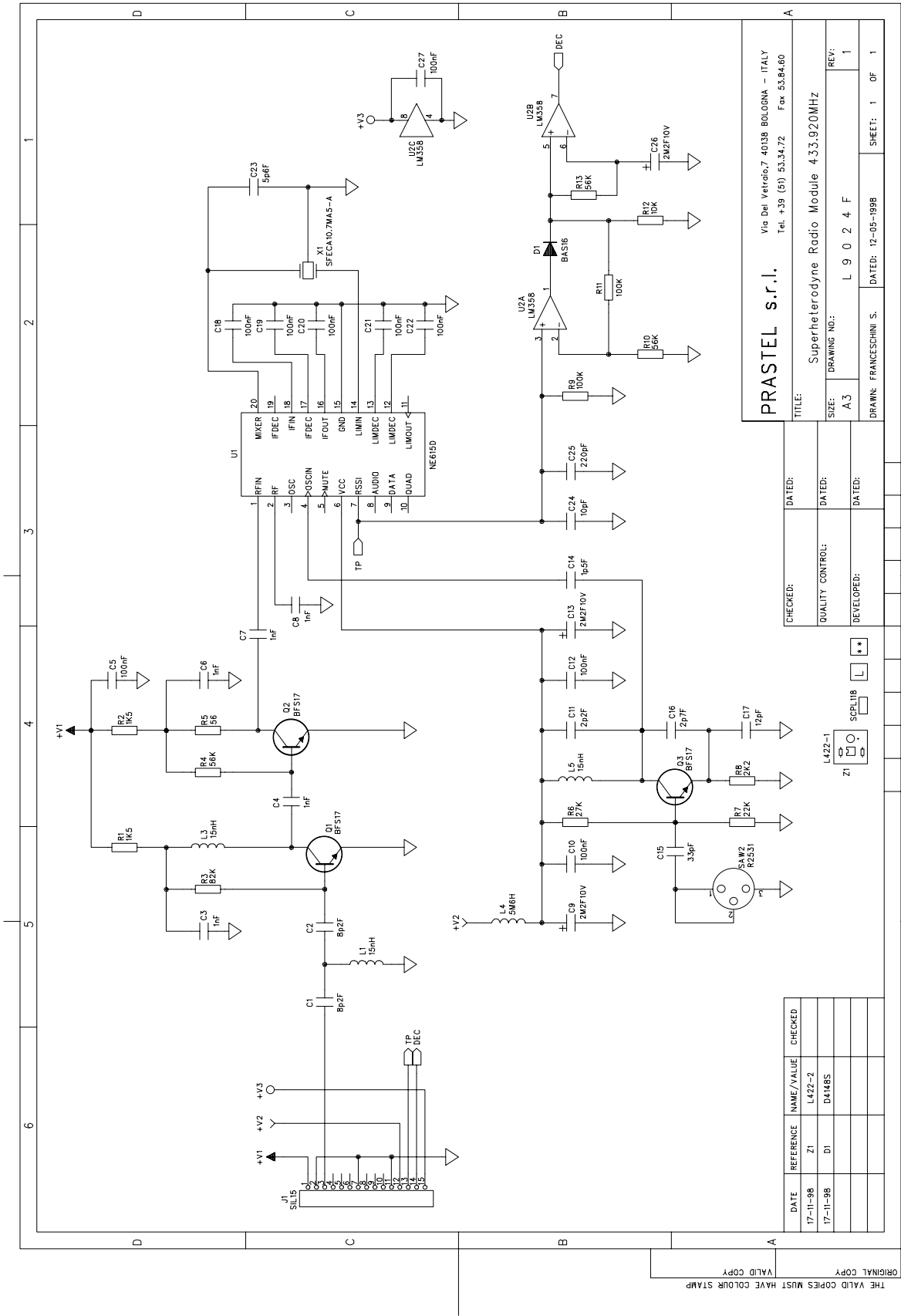
- SAW resonator SAW2 = 423.22 MHz
- Ceramic filter 10.7 MHz

Fig. 1 - Block Diagram of the EUT

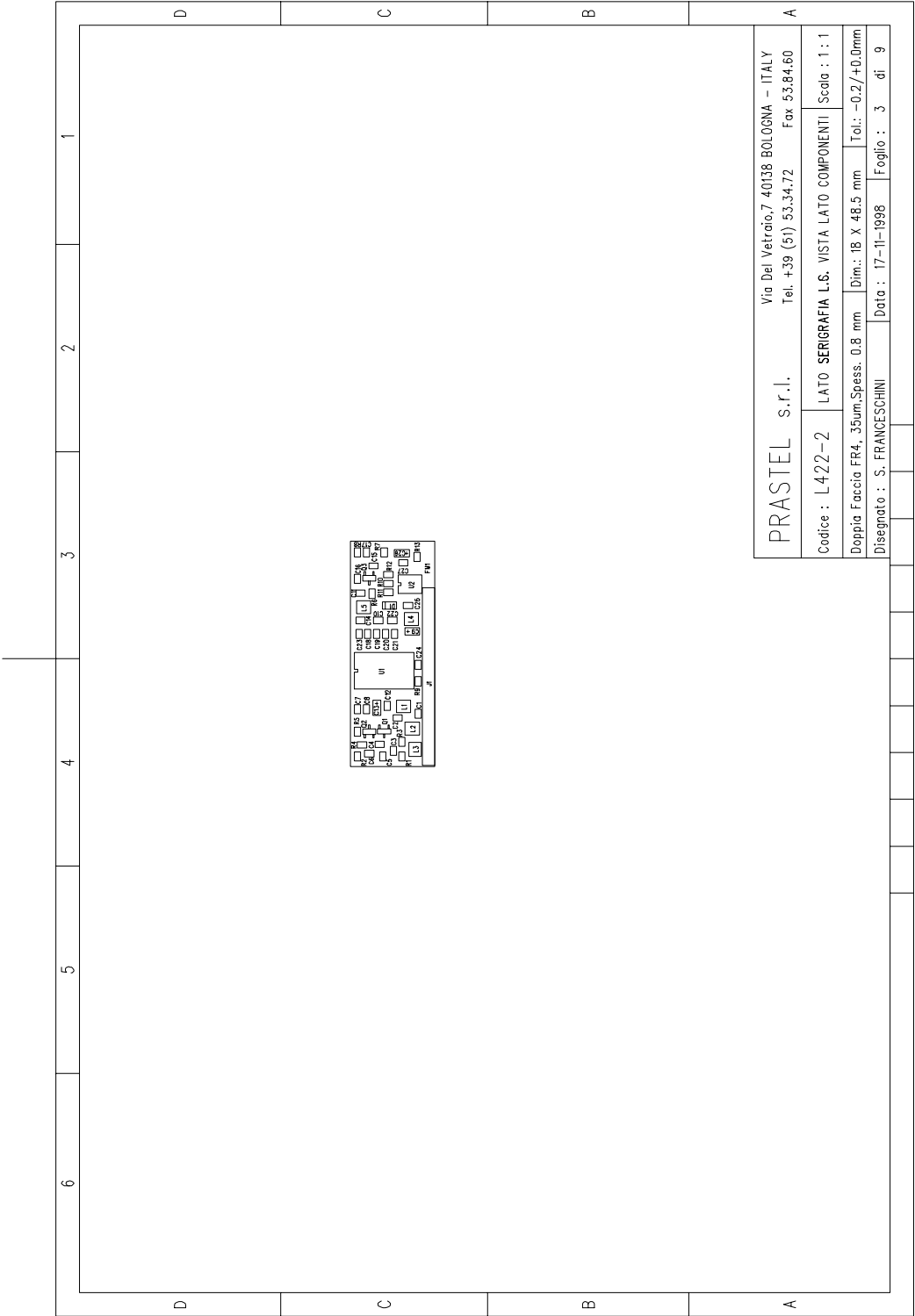


**IN THE FOLLOWING PAGES YOU CAN FIND ALL THE INFORMATION ABOUT THE
RADIO MODULE (PL118) WHICH IS INSERTED IN THE RECEIVER**

PL118 electrical scheme



PL118 circuit layout



PL118 part list

Bill Of Materials for L9024F1.sch on Mon Mar 22 11:53:29 1999						
Item	Qty	Ref.	Prastel Code	Name	Value	Tol. Description
1	1	A2		Manufacturing		Manufacturing
2	1	A1		NOTE		Row Pitch, Dimension See Sample
3	1	C24	C10PCS	CSMD	10pF	NP0 Ceramic Capacitor 0805 SMT
4	1	C17	C12PCS	CSMD	12pF	NP0 Ceramic Capacitor 0805 SMT
5	5	C3-4 C6-8	C1N0CS	CSMD	1nF	Z5U Ceramic Capacitor 0805 SMT
6	1	C14	C1P5CS	CSMD	1p5F	Z5U Ceramic Capacitor 0805 SMT
7	3	C9 C13 C26	C2M2V10S	CSMD	2M2F10V	Tantalum Capacitor CaseA SMT
8	1	C11	C2P2CS	CSMD	2p2F	NP0 Ceramic Capacitor 0805 SMT
9	1	C16	C2P7CS	CSMD	2p7F	NP0 Ceramic Capacitor 0805 SMT
10	1	C15	C33PCS	CSMD	33pF	NP0 Ceramic Capacitor 0805 SMT
11	1	C23	C5P6CS	CSMD	5p6F	NP0 Ceramic Capacitor 0805 SMT
12	2	C1-2	C8P2CS	CSMD	8p2F	NP0 Ceramic Capacitor 0805 SMT
13	9	C5 C10 C12 C18-22 C27	CM10CS	CSMD	100nF	Z5U Ceramic Capacitor 0805 SMT
14	1	C25	CN22CS	CSMD	220pF	X7R Ceramic Capacitor 0805 SMT
15	1	Z1	CSL422-2	LL422-2	0.8mm/35um	PCB Double Side 18 x 48.5 mm
16	1	D1	D4148S	LL4148		Signal Diode SOD80 SMT
17	3	L1 L3 L5	LI5NHST5	LSMD	15nH	5% Inductor SIMID02 SMT
18	1	L4	LI5UH6ST5	LSMD	5M6H	5% Inductor SIMID02 SMT
19	1	U2	ICLM358S	LM358		Dual Op Amp 8pin SMT
20	1	U1	ICNE615D	NE615D		Low Power FM IF System SMT
21	1	R12	R10KS	RSMD	10K	5% Resistor 0805 SMT
22	2	R1-2	R1KS	RSMD	1K5	5% Resistor 0805 SMT
23	1	R7	R22KS	RSMD	22K	5% Resistor 0805 SMT
24	1	R6	R27KS	RSMD	27K	5% Resistor 0805 SMT
25	1	R8	R2K2S	RSMD	2K2	5% Resistor 0805 SMT
26	3	R4 R10 R13	R56KS	RSMD	56K	5% Resistor 0805 SMT
27	1	R5	R56RS	RSMD	56	5% Resistor 0805 SMT
28	1	R3	R82KS	RSMD	82K	5% Resistor 0805 SMT
29	1	X1	RISCER8	SFECA10.7MA5-A		Ceramic Filter 10.7 MHz
30	1	SAW2	RISSAW4	R2531		SAW Resonator 423.22 MHz
31	2	R9 R11	RM10S	RSMD	100K	5% Resistor 0805 SMT
32	1	SC1	SCPL118			Shield
33	1	J1	STRIPPIN(15P)	518-0718-0-42-111		Soldering Terminals SIL 15P Center 2.54mm
34	3	Q1-3	TBFS17	BFS17		NPN Small Signal Transistor SOT23 SMT

PL118 block diagram

