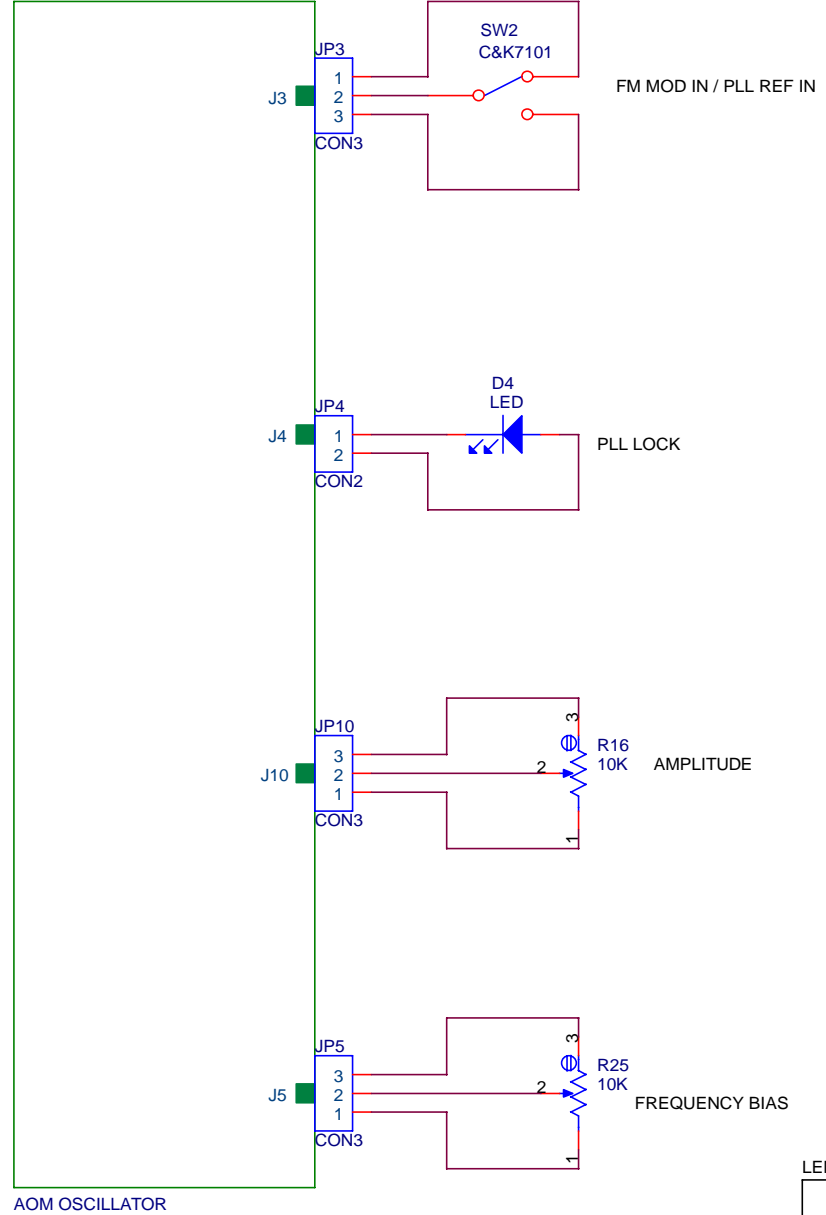
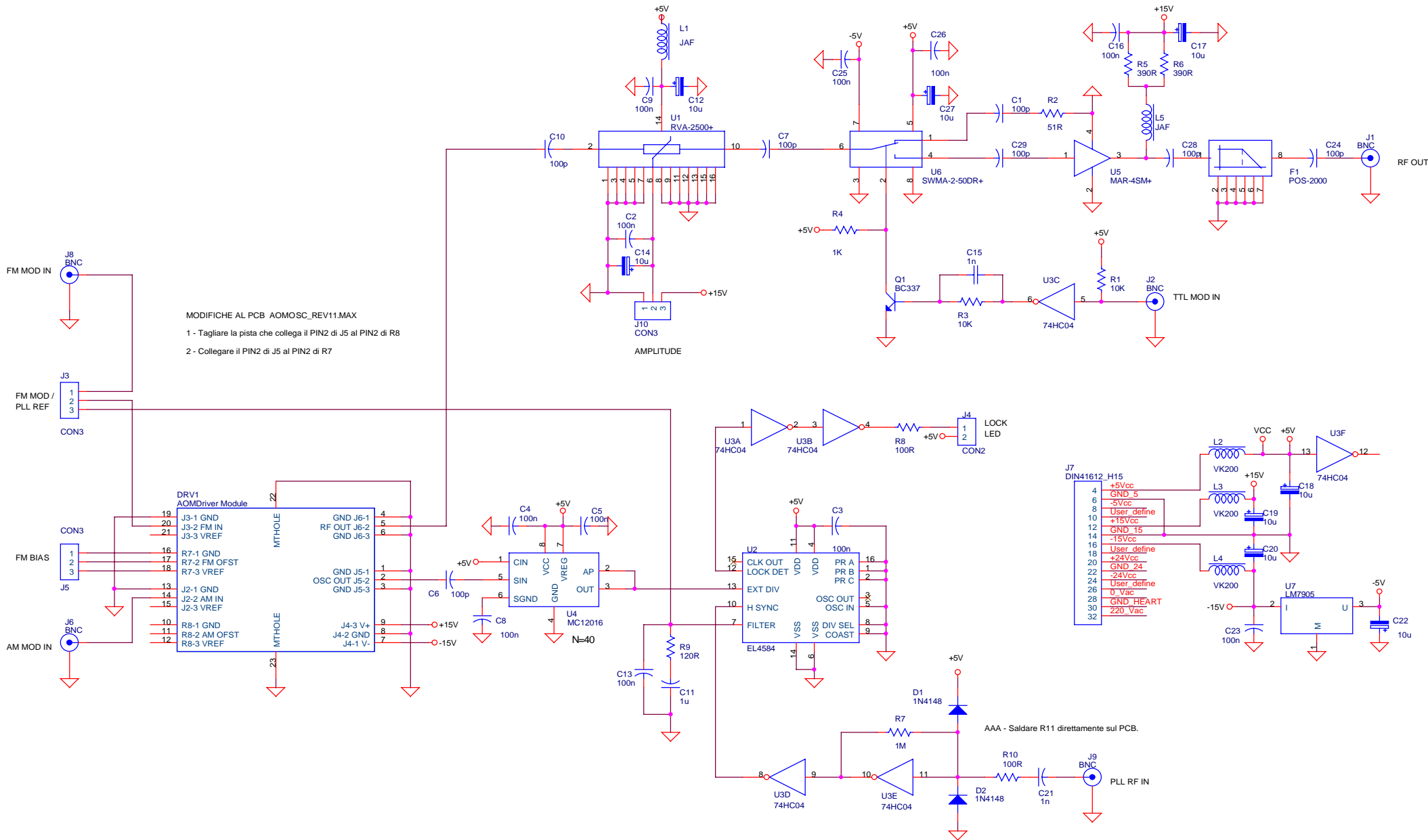


Main PCB - AOMOSC\_REV11.MAX



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Title		
Acousto-Optic Modulator		
Size	Document Number	Rev
A4	Assembly Wiring Diagram	00
Date:	Friday, January 27, 2012	Sheet 1 of 3



MODIFICHE AL PCB AOMOSC\_REV11.MAX  
 1 - Tagliare la pista che collega il PIN2 di J5 al PIN2 di R8  
 2 - Collegare il PIN2 di J5 al PIN2 di R7

AAA - Saldare R11 direttamente sul PCB.

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Title		
Acousto-Optic Modulator		
Size	Document Number	Rev
A3	Main PCB - AOMOSC_REV11.MAX	00
Date:	Thursday, January 26, 2012	Sheet 2 of 3

Acousto-Optic Modulator Revised: Friday, January 27, 2012  
 Assembly Wiring Diagram Revision: 00

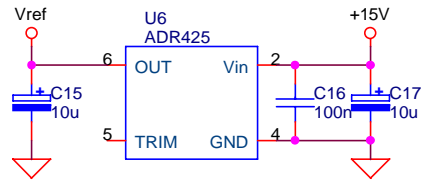
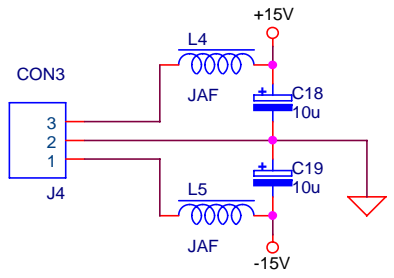
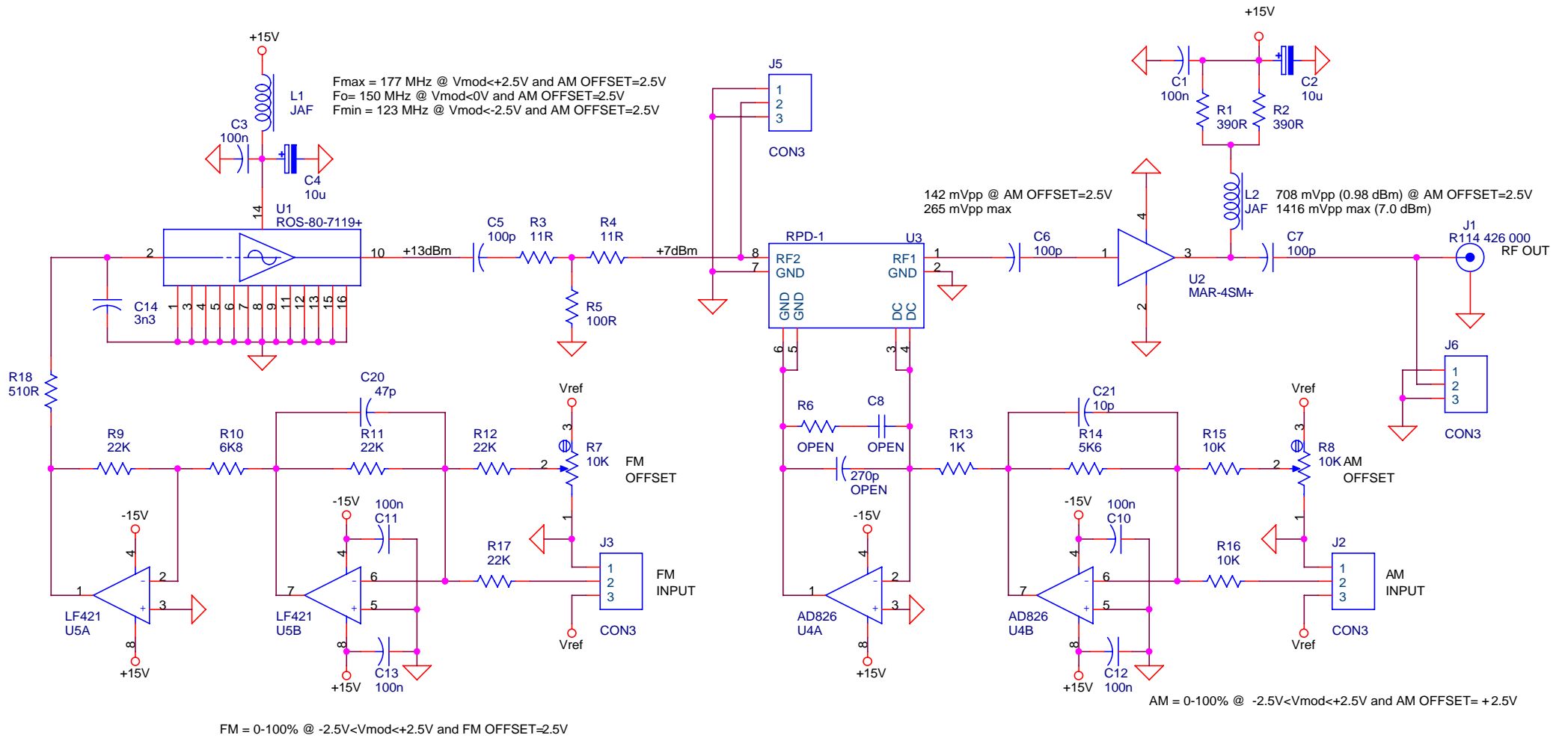
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Bill Of Materials January 27,2012 11:34:28 Page1

Item	Q.ty	Reference	Part	Value	Supplier Ref
1	7	C1,C6,C7,C10,C24,C28,C29	Cond. Cer. 50V SMT 0805	100p	
2	7	C2,C4,C5,C8,C9,C25,C26	Cond. Cer. 50V SMT 0805	100n	
3	4	C3,C13,C16,C23	Cond. Cer. 50V	100n	
4	1	C11	Cond. Cer. 50V	1u	
5	8	C12,C14,C17,C18,C19,C20, C22,C27	Cond. Tant. 25V	10u	
6	2	C21,C15	Cond. Cer. 50V	1n	
7	1	DRV1	AOMDriver Module		
8	2	D1,D2	Diodo	1N4148	
9	1	D4	Diodo Led 3mm	Rosso	
10	1	F1	Filtro RF	POS-2000	Minicircuits
11	1	JP3	Conn. 3P F P2.54	CON3	
12	1	JP4	Conn. 2P F P2.54	CON2	
13	5	J3,JP5,J5,JP10,J10	Conn. 3P M P2.54	CON3	
14	1	J1	Conn. BNC schermato da PCB 90gradi	BNC	Farnell 1831702
15	4	J2,J6,J8,J9	Conn. BNC da PCB 90gradi	BNC	Farnell 1020955
16	1	J4	Conn. 2P M P2.54 CON2		
17	1	J7	Conn. DIN41612 15P H15 M da CS 90°	DIN41612_H15	DISCO 0906-115-2911
18	2	L5,L1	Induttanza SMT 1210	JAF	RS 233-5077
19	3	L2,L3,L4	Induttanza	VK200	
20	1	Q1	Transistor	BC337	
21	2	R1,R3	Res. 0.25W 1%	10K	
22	1	R2	Res. 0.25W 1% SMT	51R	
23	1	R4	Res. 0.25W 1%	1K	
24	2	R6,R5	Res. 0.25W 1%	390R	
25	1	R7	Res. 0.25W 1%	1M	
26	2	R10,R8	Res. 0.25W 1%	100R	
27	1	R9	Res. 0.25W 1%	120R	
28	2	R25,R16	Trimmer Multigiro Orizz. (43P)	10K	
29	1	SW2	Toggle Switch	C&K7101	
30	1	U1	RF Attenuator	RVA-2500+	Minicircuits
31	1	U2	Circuito Integrato	EL4584	

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32	1	U3	Circuito Integrato	74HC04	
33	1	U4	Circuito Integrato	MC12016	
34	1	U5	RF Amplifier	MAR-4SM+	Minicircuits
35	1	U6	RF Switch	SWMA-2-50DR+	Minicircuits
36	1	U7	Circuito Integrato	LM7905	



Title		
AOM Module		
Size	Document Number	Rev
A4	aomdrv_module	01
Date:	Thursday, January 26, 2012	Sheet 1 of 2

AOM Module Revised: Thursday, January 26, 2012  
 aomdrv\_module Revision: 01

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Item	Q.ty	Reference	Part	Value	Supplier Ref
1	7	C1,C3,C10,C11,C12,C13, C16	Cond. Cer. 50V SMT 0805	100n	
2	6	C2,C4,C15,C17,C18,C19	Cond. Tant. 25V SMT 2010	10u	
3	3	C5,C6,C7	Cond. Cer. 50V SMT 0805	100p	
4	1	C8	Cond. Cer. 50V SMT 0805	OPEN	
5	1	C14	Cond. Cer. 50V SMT 0805	3n3	
6	1	C20	Cond. Cer. 50V SMT 0805	47p	
7	1	C21	Cond. Cer. 50V SMT 0805	10p	
8	1	J1	Conn. SMB da PCB dritto	R114 426 000	Radiall
9	5	J2,J3,J4,J5,J6	Conn. BNC da PCB dritto	CON3	
10	4	L1,L2,L4,L5	Induttanza SMT 1210	JAF	RS 233-5077
11	1	OPEN	Cond. Cer. 50V SMT 0805	270p	
12	2	R1,R2	Res. 0.25W 1% SMT 0805	390R	
13	2	R4,R3	Res. 0.25W 1% SMT 0805	11R	
14	1	R5	Res. 0.25W 1% SMT 0805	100R	
15	1	R6	Res. 0.25W 1% SMT 0805	OPEN	
16	2	R8,R7	Trim. Multig. Orizz. (43P)	10K	
17	4	R9,R11,R12,R17	Res. 0.25W 1% SMT 0805	22K	
18	1	R10	Res. 0.25W 1% SMT 0805	6K8	
19	1	R13	Res. 0.25W 1% SMT 0805	1K	
20	1	R14	Res. 0.25W 1% SMT 0805	5K6	
21	2	R15,R16	Res. 0.25W 1% SMT 0805	10K	
22	1	R18	Res. 0.25W 1% SMT 0805	510R	
23	1	U1	Minicircuits RF VCO	ROS-80-7119+	Minicircuits
24	1	U2	Minicircuits RF Amplifier	MAR-4SM+	Minicircuits
25	1	U3	Minicircuits Mixer	RPD-1	Minicircuits
26	1	U4	Circuito Integrato SMT	AD826	Farnell 1651291
27	1	U5	Circuito Integrato SMT	LF421	Farnell 1564939
28	1	U6	Circuito Integrato SMT	ADR425	Farnell 1438993