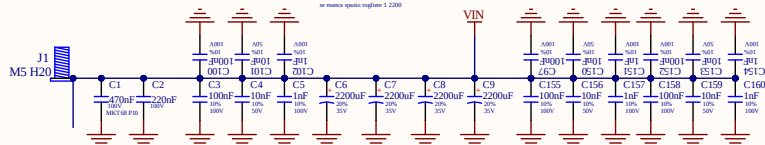
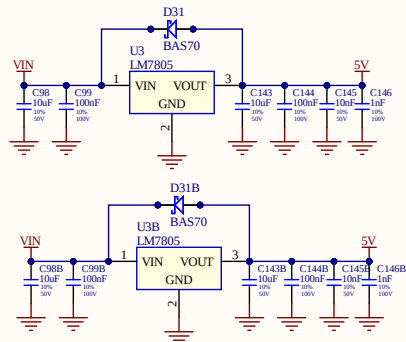
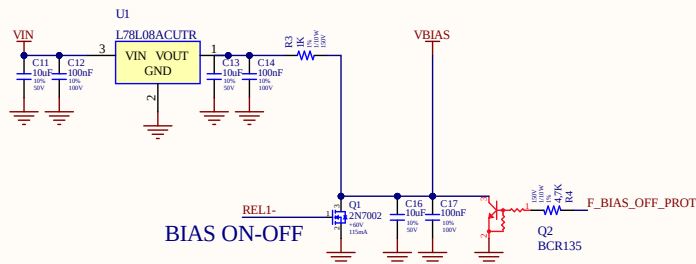


60A
LARGHEZZA PISTA 85mm

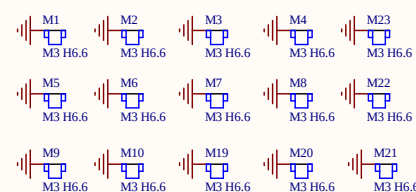
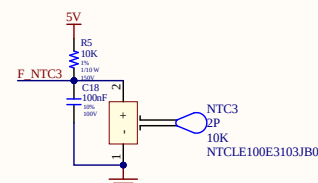
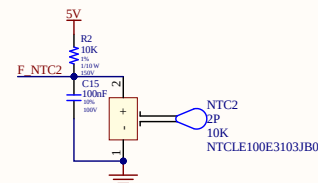
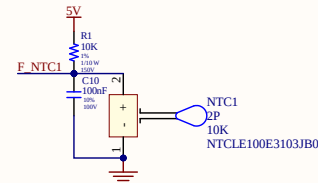
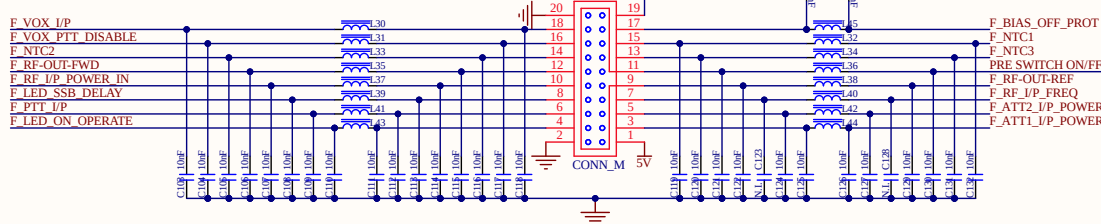
se manca spazio tagliare 1/2200



BIAS



F_PTT_I/P
F_VOX_I/P



PROJECT NAME: BLA703_RF_Rev1.1.PjPCB			
TITLE: PIC18F87K22 Filter			
DRAWN By: L&A			
DATE 21-02-2024	Rev. 1.1	PAGE 1	OF 3



Electronic Devices
www.rmitaly.com

Avvolgiti TMC
Core Composto da FT37-61 & FT37-43
Avvolgimento 0.2mm x 25spire
Avvolgimento Antiorario

CAVO RG 223 --> Specifica cable_BLA703_rev1.0.jpg

A

B

C

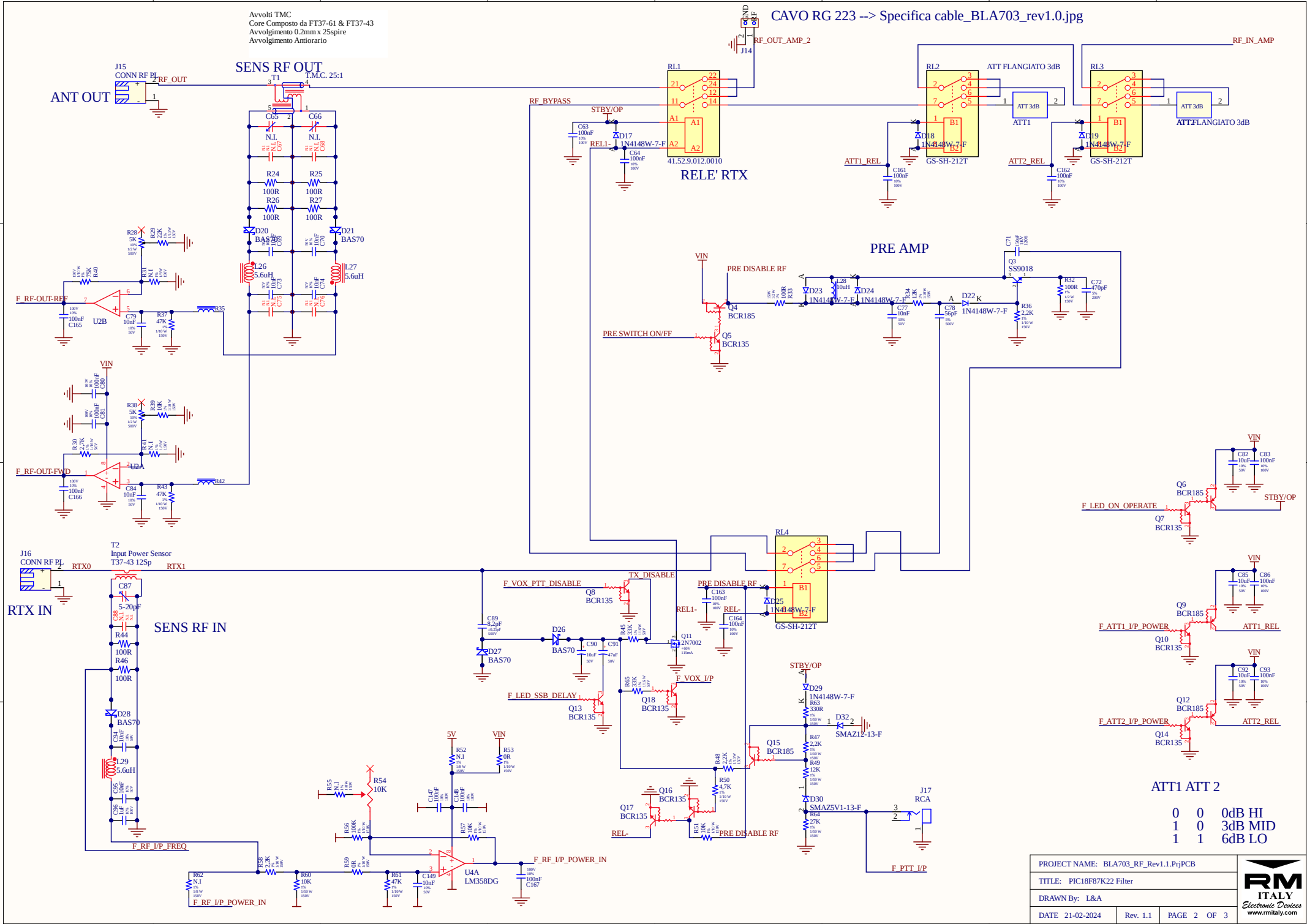
D

A

B

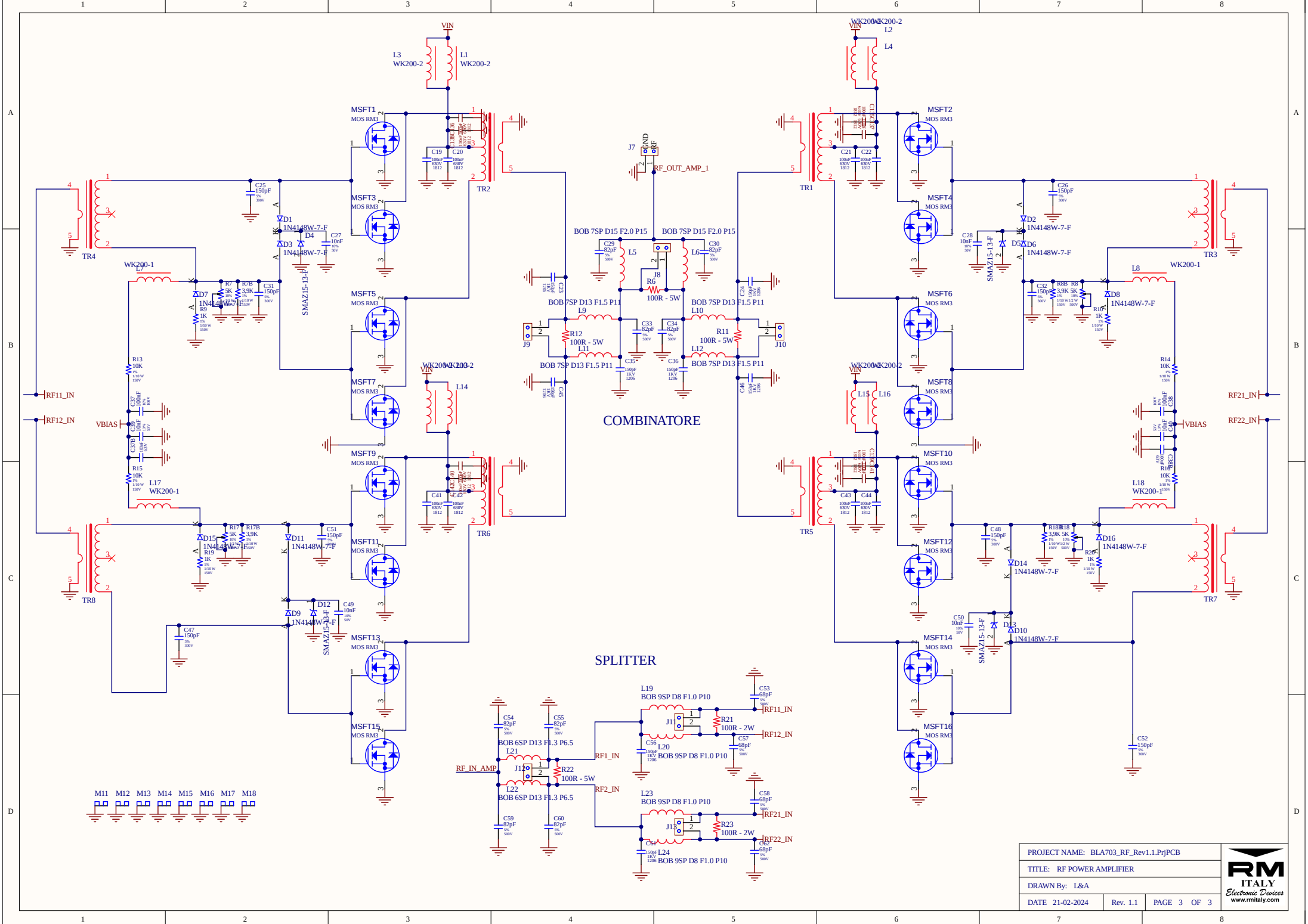
C

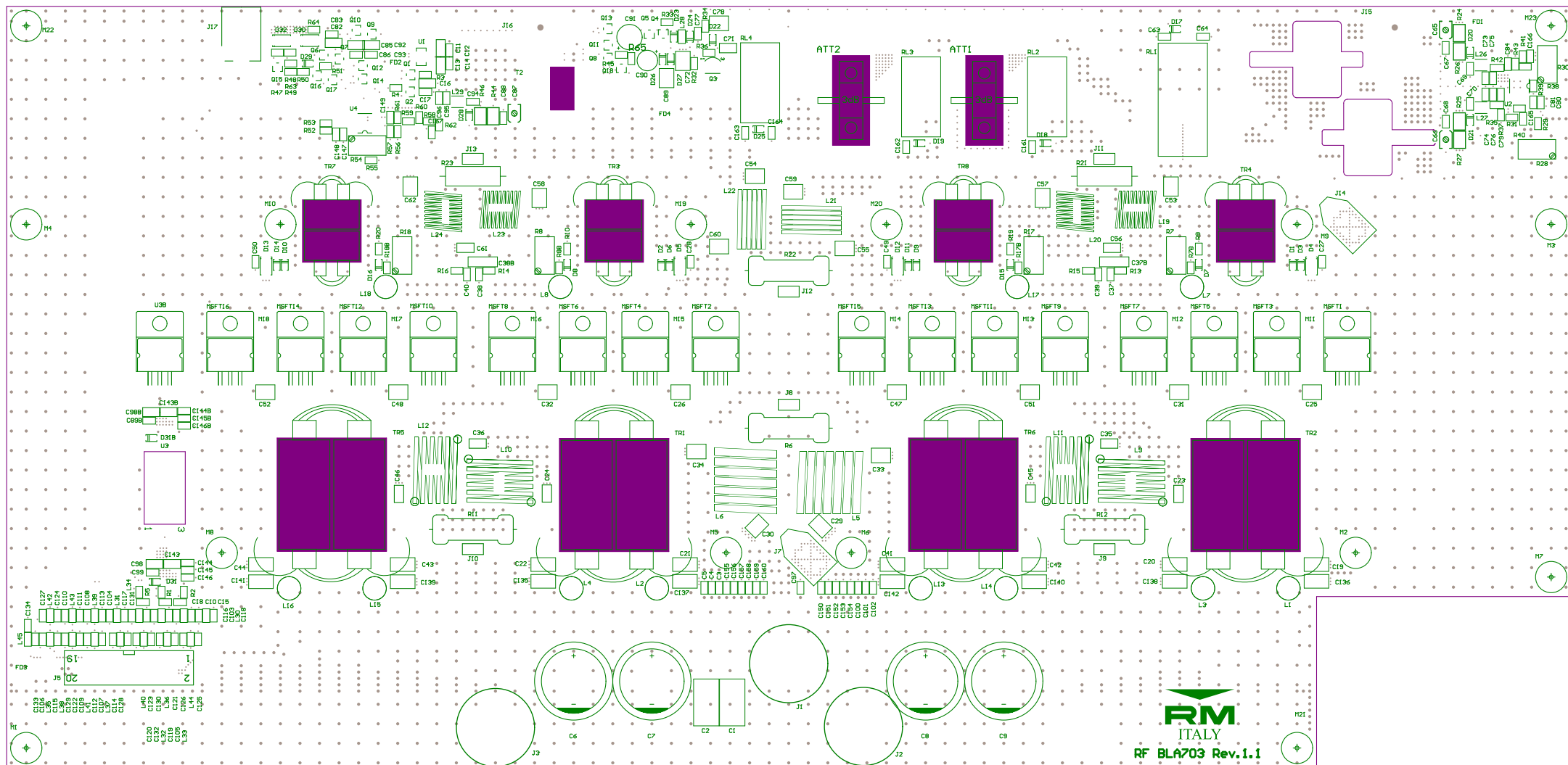
D



ATT1 ATT 2

0	0	0dB HI
1	0	3dB MID
1	1	6dB LO





RM ITALY	BLA703 - RF - Rev 1.1		
Quantity	Designator	Comment	Description
2	ATT1, ATT2	ATT FLANGIATO 3dB	ATT FLANGIATO 3dB
1	C1	CAP PTH MKT 470nF 100V 6.5X12 P10	CAP PTH MKT 470nF 100V 6.5X12 P10
1	C2	CAP PTH MKT 220nF 100V 6.5X12 P10	CAP PTH MKT 220nF 100V 6.5X12 P10
32	C3, C10, C12, C14, C15, C17, C18, C37, C38, C63, C64, C80, C81, C83, C86, C93, C97, C99, C100, C144, C147, C148, C152, C155, C158, C161, C162, C163, C164, C165, C166, C167	100nF	Cap 100nF+/-10%; 100V; Case 0805; X7R
53	C4, C27, C28, C39, C40, C49, C50, C69, C70, C73, C74, C77, C79, C84, C94, C95, C101, C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C118, C119, C120, C121, C122, C124, C125, C126, C127, C129, C130, C131, C132, C133, C134, C145, C149, C150, C153, C156, C159	10nF	Cap 10nF+/-10%; 50V; Case 0805; X7R
7	C5, C102, C146, C151, C154, C157, C160	1nF	Cap 1nF+/-10%; 100V; Case 0805; X7R
4	C6, C7, C8, C9	2200uF	Cap Alum Poly 2200uF+/-20%; 35V; Case 16x25mm; P:7,5mm; 2000Hrs@85°C
8	C11, C13, C16, C82, C85, C92, C98, C143	10uF	Cap 10uF+/-10%; 50V; Case 1206; X7R
16	C19, C20, C21, C22, C41, C42, C43, C44, C135, C136, C137, C138, C139, C140, C141, C142		Condensatori in ceramica multistrato MLCC - SMD/SMT 100nF 630V 10% X7R 1812
9	C23, C24, C35, C36, C45, C46, C56, C61, C71	150pF	CAP 150pF 100V 5% NPO 1206
8	C25, C26, C31, C32, C47, C48, C51, C52	150pF	Cap 150pF+/-5%; 300V; Case 1111; High Q; Low ESR/ESL
8	C29, C30, C33, C34, C54, C55, C59, C60	82pF	Cap 82pF+/-5%; 500V; Case 1111; High Q; Low ESR/ESL
2	C37B, C38B		CAP POLY 100nF 63V P5
4	C53, C57, C58, C62	68pF	Cap 68pF+/-5%; 500V; Case 1111; High Q; Low ESR/ESL
2	C65, C66	N.I.	Trimmer CAP 5-20pF
7	C67, C68, C75, C76, C88, C123, C128	N.I.	Cap N.I. 0805
1	C72	470pF	Cap 470pF+/-5%; 200V; Case 1111; High Q; Low ESR/ESL
1	C78	56pF	Cap 56pF+/-5%; 500V; Case 1111; High Q; Low ESR/ESL
1	C87	5-20pF	Trimmer CAP 5-20pF
1	C89	8,2pF	Cap 8,2pF+/-0,25pF; 500V; High Q; Case 1111; Low ESR/ESL
1	C90	CAP PTH 10uF 50V 5X11 P2.5	CAP PTH 10uF 50V 5X11 P2.5
1	C91	CAP PTH 47uF 50V 6.3X11 P2.5	CAP PTH 47uF 50V 6.3X11 P2.5
1	C96	1uF	Cap 1uF+/-10%; 100V; Case 0805; X7R
20	D1, D2, D3, D6, D7, D8, D9, D10, D11, D14, D15, D16, D17, D18, D19, D22, D23, D24, D25, D29	1N4148W	Diode 1N4148W SOD123
4	D4, D5, D12, D13	SMAZ15-13-F	DIODO ZENER 15V 1W
6	D20, D21, D26, D27, D28, D31	BAS70	Si Schottky Diode Single
1	D30	SMAZ5V1-13-F	DIODO ZENER 5.1V 1W
1	D32	SMAZ12-13-F	DIODO ZENER 12V 1W
4	J1, J2, J3, J4	CONN M5 H20	Single PCB terminal block
1	J5	CONN_M	CONN_M_20P_10X2_Passo 2.54
1	J17	RCA	RCA PTH
8	L1, L2, L3, L4, L13, L14, L15, L16	WK200-2	WK200-2
2	L5, L6	BOB 7SP D15 F2.0 P15	BOB 7SP D15 F2.0 P15
4	L7, L8, L17, L18	WK200-1	WK200-1
4	L9, L10, L11, L12	BOB 7SP D13 F1.5 P11	BOB 7SP D13 F1.5 P11
4	L19, L20, L23, L24	BOB 9SP D8 F1.0 P10	BOB 9SP D8 F1.0 P10
2	L21, L22	BOB 6SP D13 F1.3 P6.5	BOB 6SP D13 F1.3 P6.5
3	L26, L27, L29	5.6uH	Induttanza 5.6uH
1	L28		MLZ2012M100HT000
18	L30, L31, L32, L33, L34, L35, L36, L37, L38, L39, L40, L41, L42, L43, L44, L45, R35, R42		BLM21RK1025N1D - 1 kOhms - 100MHz
15	M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M19, M20, M21, M22, M23	M3 H6.6	DIST SMD M3 H6.6
16	MSFT1, MSFT2, MSFT3, MSFT4, MSFT5, MSFT6, MSFT7, MSFT8, MSFT9, MSFT10, MSFT11, MSFT12, MSFT13, MSFT14, MSFT15, MSFT16	MOS RM3	MOS RM3
2	Q1, Q11	2N7002	Small Singan N-FET; Vds+60V; Id+115A; Vgs +/-20V; Vthmax 2,5V; Case SOT23
10	Q2, Q5, Q7, Q8, Q10, Q13, Q14, Q16, Q17, Q18	BCR135	NPN Si Digital Transistor
1	Q3		
5	Q4, Q6, Q9, Q12, Q15	BCR185	PNP Si Digital Transistor
11	R1, R2, R5, R13, R14, R15, R16, R39, R51, R57, R60	10K	Res Thick Film; 10K+/-1%; 1/10W; Case 0805; 150V
5	R3, R9, R10, R19, R20	1K	Res Thick Film; 1K+/-1%; 1/10W; Case 0805; 150V
2	R4, R50	4,7K	Res Thick Film; 4,7K+/-1%; 1/10W; Case 0805; 150V
4	R6, R11, R12, R22	100R	RED 100R 5W METALOX
6	R7, R8, R17, R18, R28, R38	5K	Res Trimmer; PTH 9,5x4,8mm H10+1,5mm 5KOHMS 10% 25TURN
4	R7B, R8B, R17B, R18B	3,9K	Res Thick Film; 3,9K+/-1%; 1/10W; Case 0805; 150V
2	R21, R23	100R	RED 100R 2W METALOX
6	R24, R25, R26, R27, R44, R46	100R	Res Film Spesso 1/2W 100R 5%
1	R29	22K	Res Thick Film; 22K+/-1%; 1/10W; Case 0805; 150V
1	R30	2,7K	Res Thick Film; 2,7K+/-1%; 1/16W; Case 0603; 50V

Quantity	Designator	Comment	Description
5	R31, R41, R52, R55, R62	N.I	Res Thick Film; N.I+/-1%; 1/8W; Case 0805; 150V
2	R32, R33	100R	Res Thick Film; 100R+/-1%; 1/2W; Case 0805; 150V
2	R34, R49	12K	Res Thick Film; 12K+/-1%; 1/10W; Case 0805; 150V
4	R36, R47, R48, R58	2,2K	Res Thick Film; 2,2K+/-1%; 1/10W; Case 0805; 150V
3	R37, R43, R61	47K	Res Thick Film; 47K+/-1%; 1/10W; Case 0805; 150V
1	R40	75K	Res Thick Film; 75K+/-1%; 1/10W; Case 0805; 150V
2	R45, R65	33K	Res Thick Film; 33K+/-1%; 1/16W; Case 0603; 50V
2	R53, R59	0R	Res Thick Film; 0R+/-1%; 1/10W; Case 0805; 150V
1	R54	10K	Multiturn Trimmer
1	R56	100K	Res Thick Film; 100K+/-1%; 1/10W; Case 0805; 150V
1	R63	330R	Res Thick Film; 330R+/-1%; 1/10W; Case 0805; 150V
1	R64	27K	Res Thick Film; 27K+/-1%; 1/10W; Case 0805; 150V
1	RL1	REL 41.52.9.012.0010	Relay 41.52.9.012.0010
3	RL2, RL3, RL4	REL GS-SH-212T	Relay or Contactor GS-SH-212T
2	T1,T2	Tandem Match Coupler	
1	T2	Input Power Sensor	
2	TR1, TR2,TR5, TR6	Trasformatore RF OUT	
2	TR3, TR4,TR7, TR8	Trasformatore RF IN	
1	U1	L78L08ACUTR	Regolatori di tensione lineari 8.0V 0.1A Positive
2	U2, U4	LM358DG	Low Power Dual OP Amplifier
1	U3	LM7805	3-Terminal ADJ Voltage Regulator