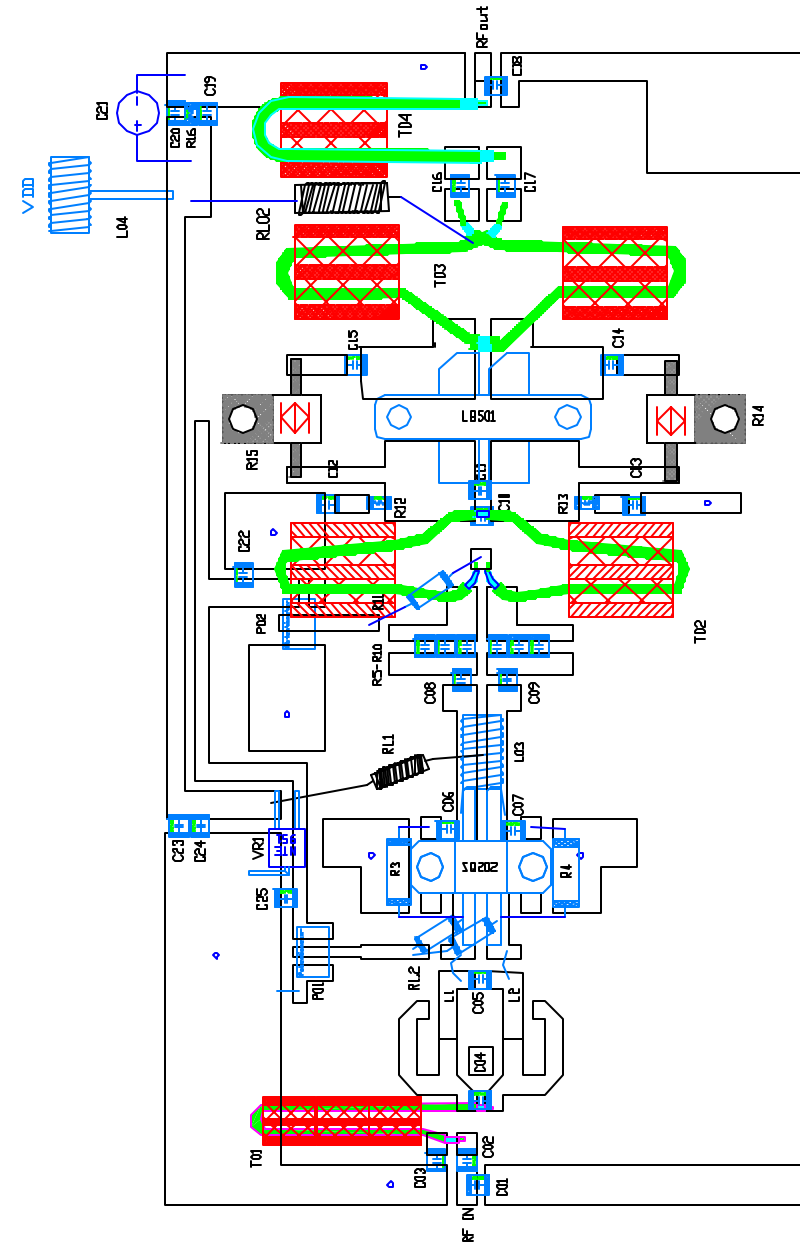


TB 167A SQ202 Driving a LB501 120W 30-512Mh

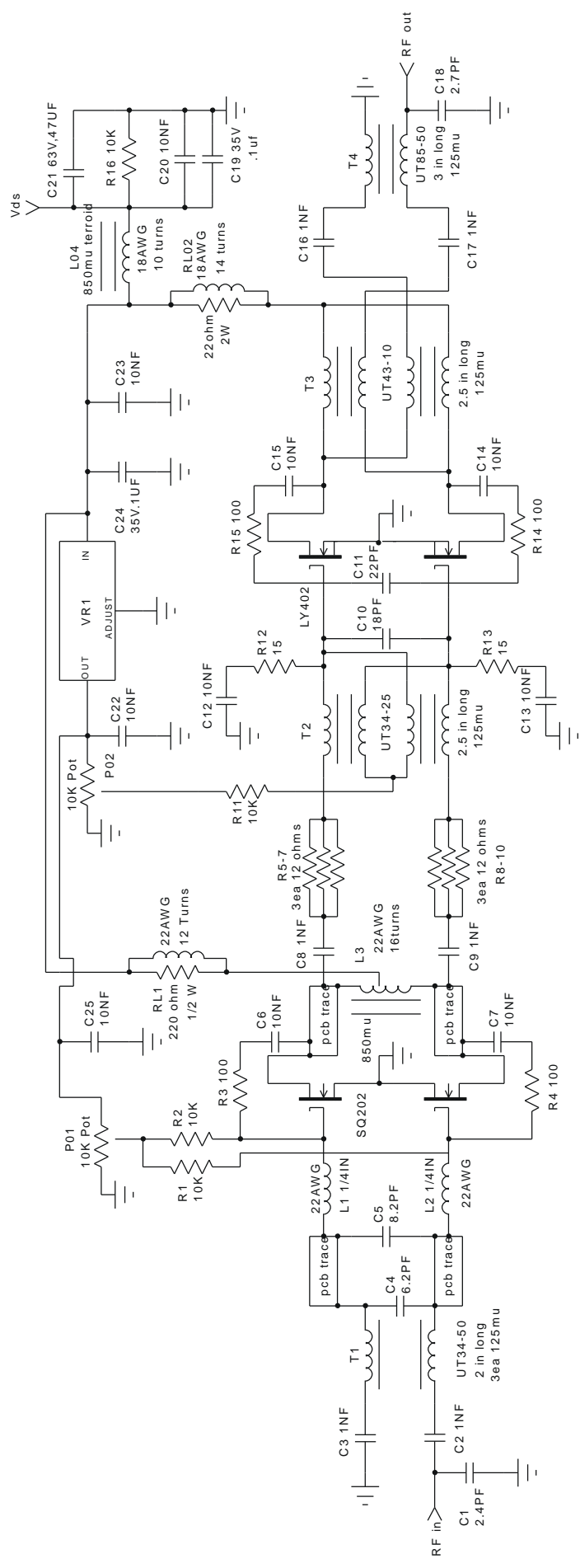
SYMBOL	VALUE	DESCRIPTION
C01	2.4pf	ATC-100B Chip Cap.
C2,3,8,9,16,17,22	1nf	ATC-700B Chip Cap
C04	6.2pf	ATC-100B Chip Cap.
C05	8.2pf	ATC-100B Chip Cap
C6,7,12-15,20,23,25	10nf	ATC-200B Chip Cap
C10	18pf	ATC-100B Chip Cap
C11	22pf	ATC-100B Chip Cap
C18	2.7pf	ATC-100B Chip Cap
C19,24	.1uf	35V, tantalum
R1,2,11,16	10K	1/4W Axial
R3,4	100	2W Axial
R5-10	12ea	0805 Chip Res.
R12,13	15	1/4W axial
R14,15	100	KDI Flanged, 25W
P01,P02	10K	Potentiometer
L01,2	---	22AWG hair pin
L03	---	22AWG 16turns 850mu
L04	---	18AWG 10turns 850mu
RL01	22AWG	12 turns, 1/4W 220ohm
RL02	18AWG	14 turns, 2W 220ohm
T01	2.5In.	UT34-50 Coax
T02	2.5In.	UT34-25 Coax
T03	2.5In.	UT43-10 Coax
T04	3In.	UT85-50 Coax
Q1---->Q2	---	SQ202--->LB501
VR1		30V in, 8V out
VDD	28V	DC Power Supply
Bias	1.4A	.4A--->1A



POLYFET RF DEVICES	
TB167A, 30-512MHz, 110W	
SIZE	FSCM NO
	SQ202--->LB501
REV	A
SCALE : 1 : 1	SHEET 1 OF 1

DRN BY:	J.Citrolo	6/16/03
CHKD :		
ELECT :		
MECH :		
PRIC :		
QUAL :		
PQMS :		

PCB Material : Double side FR4 ER=3.5, H=0.064In, T=1
T01 Ferrites are 3 of Amidon BN-61-2402
T02,T03,T04 Ferrites are 5 of Amidon BN-61-202
Holes are cut in PCB material for The ferrites of T03, T04. The ferrites are thermally epoxied to heatsink for heat dissipation.



DRN BY	J.Citrolo	6/16/03
CHKD		
ELECT	J.Citrolo	6/16/03
MECH	J.Citrolo	6/16/03
PROC		
QUAL		
PGMS		
Polyfet RF Devices		
TB167A, 110W, 30-512MHz		
SIZE	F.SCM. NO.	REV
	SQ202->LB501	Vds=28Vdc Idq=1.4A
		A