



20W HF Power Amp				
Rev.	010		06/02/22	
20W 1MHz to 30 MHz Comp Sym Pre-amp				

				Quantity	RefDes	Value	Name
				28	C1, C2, C3, C5, C6, C7, C8, C9, C10, C24, C101, C102, C104, C105, C107, C108, C109, C110, C111, C112, C201, C202, C204, C206, C208, C209, C300, C302	0.1uF	CAP_1206
				1	C4	390 pF	CAP_1206
				1	C11	10uF	CAP_1206
				4	C103, C106, C203, C207	0.47uF	CAP_1206
				1	C205	33pF	CAP_1206
				1	C301	100uF	CAPAE-4.3x4.3h5.4
				9	D301, D302, D303, D304, D305, D306, D307, D308, D309		DIODE_1N4148
				2	J1, J2		SMA COAX_FEMALE
				2	J4, J6		HDR-1x2H
				1	J5		HDRF-1x2
				2	J200, J201		CON_FEMALE
				1	L1	0.18uH	1206
				5	L2, L101, L103, L201, L204	2.2uH	1206
				4	L102, L104, L202, L203	.33uH	1206
				4	Q1, Q2, Q3, Q5		2N3904
				2	Q4, Q302		2N3906
				4	Q101, Q102, Q201, Q202		IRF510
				1	Q301		TIP127
				1	Q303		IRFU9024
				1	R1	4700	RES_1206
				1	R2	5100	RES_1206
				1	R3	200	RES_1206
				3	R4, R16, R304	150	RES_1206
				1	R5	3300	RES_1206
				1	R6	5600	RES_1206
				1	R7	1200	RES_1206
				1	R8	200	Trim Pot
				1	R9	3K	RES_1206
				1	R10	680	RES_1206
				2	R11, R13	24K	RES_1206
				4	R12, R15, R301, R302	10K	RES_1206
				1	R14	48	RES_1206
				1	R17	37	RES_1206
				1	R19	5.5K	RES_1206
				4	R100, R102, R200, R203	10K	Trim Pot
				2	R101, R103	100	RES_1206
				2	R106, R107	1.1K	RES_1206
				2	R201, R204	56	RES_1206
				2	R202, R205	240	RES_1206
				1	R300	0.167	6 1ohm parallel
				1	R303	470	RES_1206
				1	R306	220	RES_1206
				1	T1	4T-P 3T Bi-S	BN43-202
				1	T2	10T Bi	FT50 Toroid
				1	T3	4T-P 6T-Bi_S	BN43-202
				1	T4	10T	2x FT50 Toroid
				1	T5	2T-P 3T-S	BN-43-3312
				1	U1		LM7815CT
				1	U2		LM317T
20W HF Power Amp							
Rev.	009		03/24/22				
20W 1MHz to 30 MHz Comp Sym Pre-amp							