

PART LIST**Driver Amp**

Item	Description	Part #	Reference
1	Temperature Sensor	LM50B	U12
2	Positive Voltage Regulator, Fixed, 15V, 3A	MC78T15CT	U1
3	Positive Voltage Regulator, Fixed, +5V, 3A	MC78T05CT	U8
4	Pin Diode, High Power	MA4P4006F	D2, D3, D4, D5
5	Coupler, Anaren, 90 Deg. Hybrid	11303-3	H1, H2, H3, H4
6	Diode, Detector, HP, HSM2800	HSM2800	D1

Final Amp

Item	Description	Part #	Reference
1	Diode, Zener, 30V	1SMB5936BT3	D1
2	LDMOS Power Transistor, 100 Watt	XRF187S	Q1
3	Regulator, 15V	LM78L15	U1

Combiner

Item	Description	Part #	Reference
1	Diode, Detector, HP, HSMS2800	HSMS2800	D1

Control Board

Item	Description	Part #	Reference
1	Diode, Dual Zener, 5.6V	MMBZ5V6ALT1	D1,D2,D3
2	Diode, Zener, 12V	MMBZ5242BL	D4
3	D/A Converter	MAX534	U2
4	Dual Comparator	LM293D	U17
5	Hex, Non Inverter	MC74HC241ADW	U12,U13
6	MCU	MC68HC711E9CFN2	U1
7	Dual OP AMP, High Current	MC33076D	U4
8	Quad OP AMP	MC33204D	U3,U9
9	Serial Interface	DS14C232CM	U8
10	Undervolt Sense	MC34164D-5	U6
11	Precision Reference Voltage, 5V	LM4040DAIM3-5.0	D5
12	XTAL 8MHZ	AS-8.000-18-SMD	XTAL1

LPF

Item	Description	Part #	Reference
1	Diode, Detector, HP, HSMS2800	HSMS2800	D1

Circulator Load

Item	Description	Part #	Reference
1	Diode, Detector, HP, HSMS2800	HSMS2800	D1
2	Thermistor, 10K	10K	RT1

Final Assembly

Item	Description	Part #	Reference
1	Positive Voltage Regulator 15V, Fixed, 3A	MC78T15CT	U1
2	Positive Voltage Regulator 5V, Fixed, 3A	MC78T05CT	U8
3	Diode	70HFR60	
4	Circulator 440-470MHz		
5	LDMOS Power Transistor, 30 Watt	MRF182	Q1