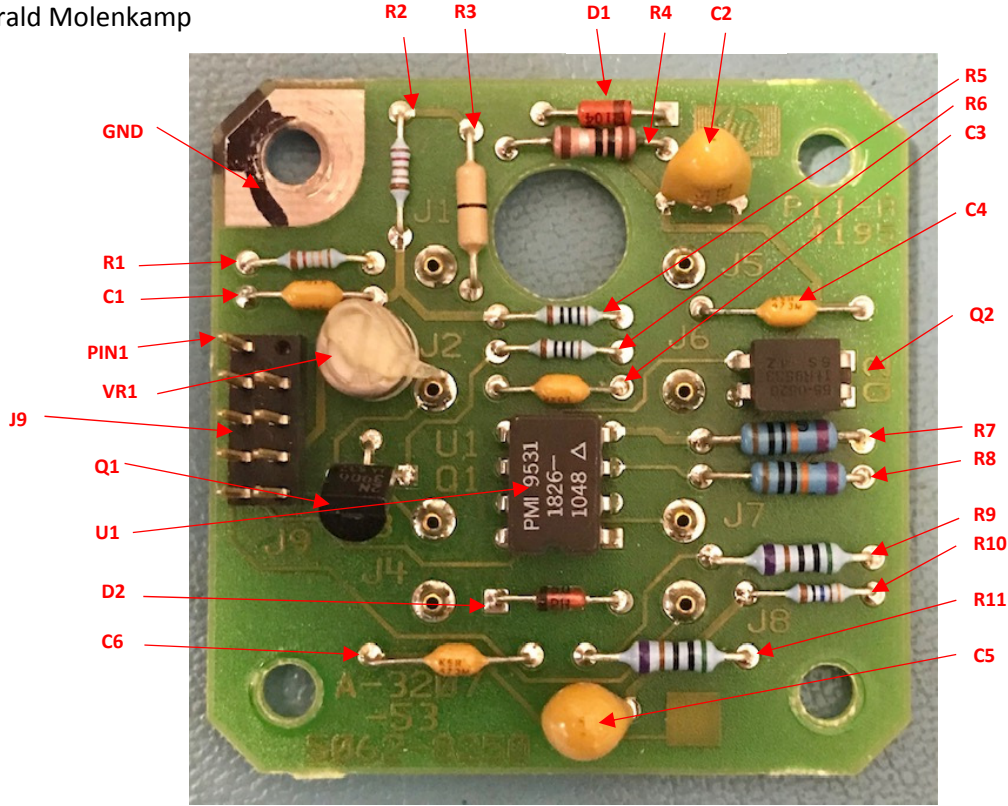
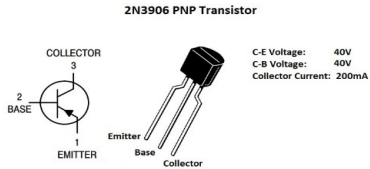


U1, DIL-8
HP 1826-1048
OP-07

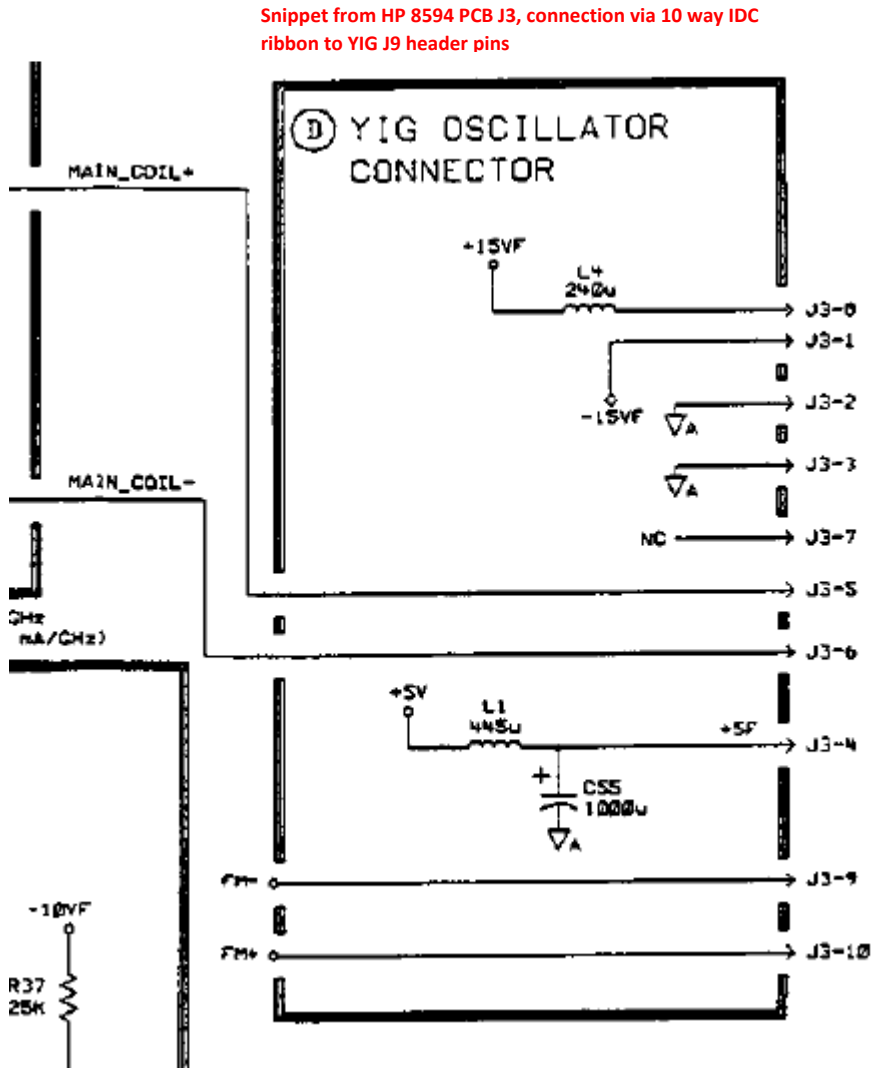


Q1, 2N3906, NPN



TO-250 package
IR 9533, Date stamp
55-0520 5S?
Device model unknown?
Is a N-CH MOSFET

HP 5086-7903, YTO, Control PCB, p/n 5062-8250			
Part No.	Type	Value	Comment
J1 PCB pins through to YTO			
J1	N/C		
J2	Control		To YIG Oscillator
J3	Control	FM coil +	To J9-10
J4	Control	Main Coil -	To J9-6
J5	DC		To YIG Oscillator +4.85V via FET S
J6	Control		To YIG Oscillator
J7	Control	FM coil -	To J9-9
J8	Control	Main coil +	To J9-5
J9	Connection	0.1 MIL Header	Main ribbon connection to J3
J9-1		N/C	Not used on this PCB
J9-2		N/C	Not used on this PCB
J9-3	Supply	Ground	Also connected to top left PAD
J9-4	Supply	+5V in	
J9-5	Course control	Main Coil +	To J8
J9-6	Course control	Main Coil -	To J4
J9-7		N/C	DC via D2
J9-8	Supply	+15V in	
J9-9	Fine control	FM coil -	To J7
J9-10	Fine control	FM coil +	To J3
Q1	PNP	2N3906	PNP Transistor
Q2	MOSFET	IR9533	TO250 N-Channel MOSFET
U1	OPAMP	1826-1048	OP-07 DIL-8
D1	Zener	5.2V, 400mW	Marked as MSC 5270 23 204
D2	Diode	1N4150	
VR1	Trim-pot	1K	
C1	Axial Cap	0.01uf/50v	Axial non polarity
C2	Tantalum	4.7uf/35	Low ESR = 1.85, polarity
C3	Axial Cap	0.01uf/50v	Axial non polarity
C4	Axial Cap	0.047uf/50v	Axial non polarity
C5	Tantalum	68uf/35	Low ESR = 0.77, polarity
C6	Axial Cap	0.047uf/50v	Axial non polarity
R1	Resistor	13.3k	1/8 watt, 1%
R2	Resistor	1.2k	1/8 watt, 1%
R3	Resistor	0r	Zero ohm link axial resistor
R4	Resistor	1r	½ watt 1%
R5	Resistor	100r	1/8 watt, 1%
R6	Resistor	100r	1/8 watt, 1%
R7	Resistor	100k	½ watt 1%
R8	Resistor	100k	½ watt 1%
R9	Resistor	5.00k	½ watt 1%
R10	Resistor	316r	1/8 watt, 1%
R11	Resistor	5.00k	½ watt 1%



Snippet from HP 8594 PCB J3, connection via 10 way IDC ribbon to YIG J9 header pins

