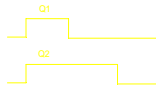


NOTE: "TRIG" LEVEL IS 2/3 VCC
"THRESHOLD" LEVEL IS 1/3 VCC



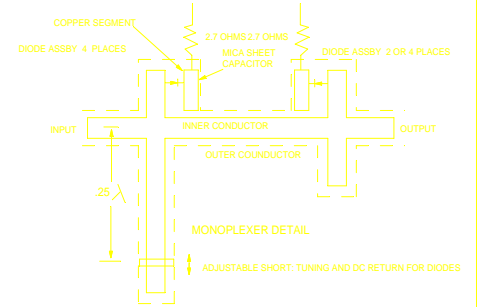
$$\text{LAMP} = \overline{O_1} + O_2 + O_1 = \overline{O_1} + O_2 + O_1$$

Vlow (-5V)

V high (gnd)

VOLTAGE DROPS IN PROTECT STATE: .5 AMP/DIODE

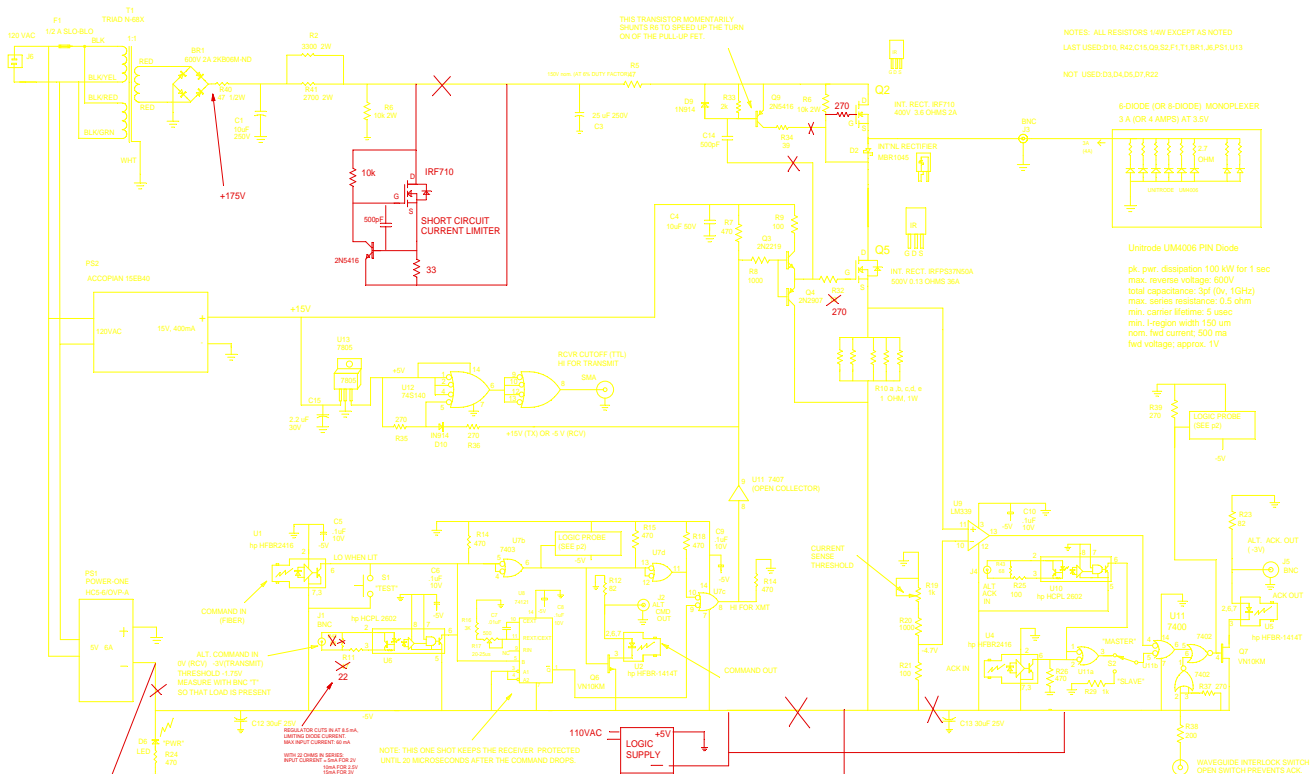
	6 DIODES	8 DIODES
PIN DROP	1.0	1.0
2.7 OHM DROP	1.35	1.35
MBR1045 DROP	.40	.50
IRFPS37 DROP	.39	.50
.2 OHM DROP	.60	.80
TOTAL	3.74	4.67



MONOPLER DRIVER
jph 01-19-01 file: 430mxd6.ECW

page 2 of 2

MONOPLER DRIVER page 1 of 2
jph 01-19-01 file: 430mxd6.ECW rev 8-14-02
REV. 6 NOV 2002



NOTES: ALL RESISTORS 1/4W EXCEPT AS NOTED
LAST USED 010, 942, C15, O9, S2, F1, 1, BR1, AL, P1, U13
NOT USED D3, D4, D5, D7, R22

Unitrode ULM006 Pin Diode
pA, pwr. dissipation 100 kW (for 1 sec)
max. reverse voltage: 600V
max. capacitance: 5pF (0V, 1GHz)
max. series resistance: 0.5 ohm
min. carrier lifetime: 5 nsec
min. i-region width: 150 um
nom. fwd current: 500 mA
fwd voltage: approx. 1V

NOTE: THIS ONE SHOT KEEPS THE RECEIVER PROTECTED
UNTIL 20 MICROSECONDS AFTER THE COMMAND DROPS.