

# WDMS Laser Acceleration Cards

RE: WATER FUEL INJECTION SYSTEM  
Memo WFC 423 DA Gasoline Vs "Water as Fuel" :

## **50 hp Internal Combustion Engine**

1ml/min gasoline consumption rate (on-road tested) @65 mph ÷25. hydrogen-fuel of water = 44.4 ml/min water flow rate ÷60 sec. = 740 ml/sec. water-fuel consumption rate@ 65m.p.h.

## **Water Injection Cycle**

030, r p ÷ 60 sec. = 50 engine revolutions/sec ÷ 2 (Distributor Turn Ratio) 52 Rotor revolutions/sec x 4 Water-Fuel Injectors = 100 Injection cycles/sec.

## **Thus,**

0.47 ml/sec water-fuel rate ÷ 100 injection cycles/sec. =  
7.4 ul Water Droplet / injection cycle Voatlge Intensifier Circuit

40,000 volts @1ma =40 wats of applied electrical power

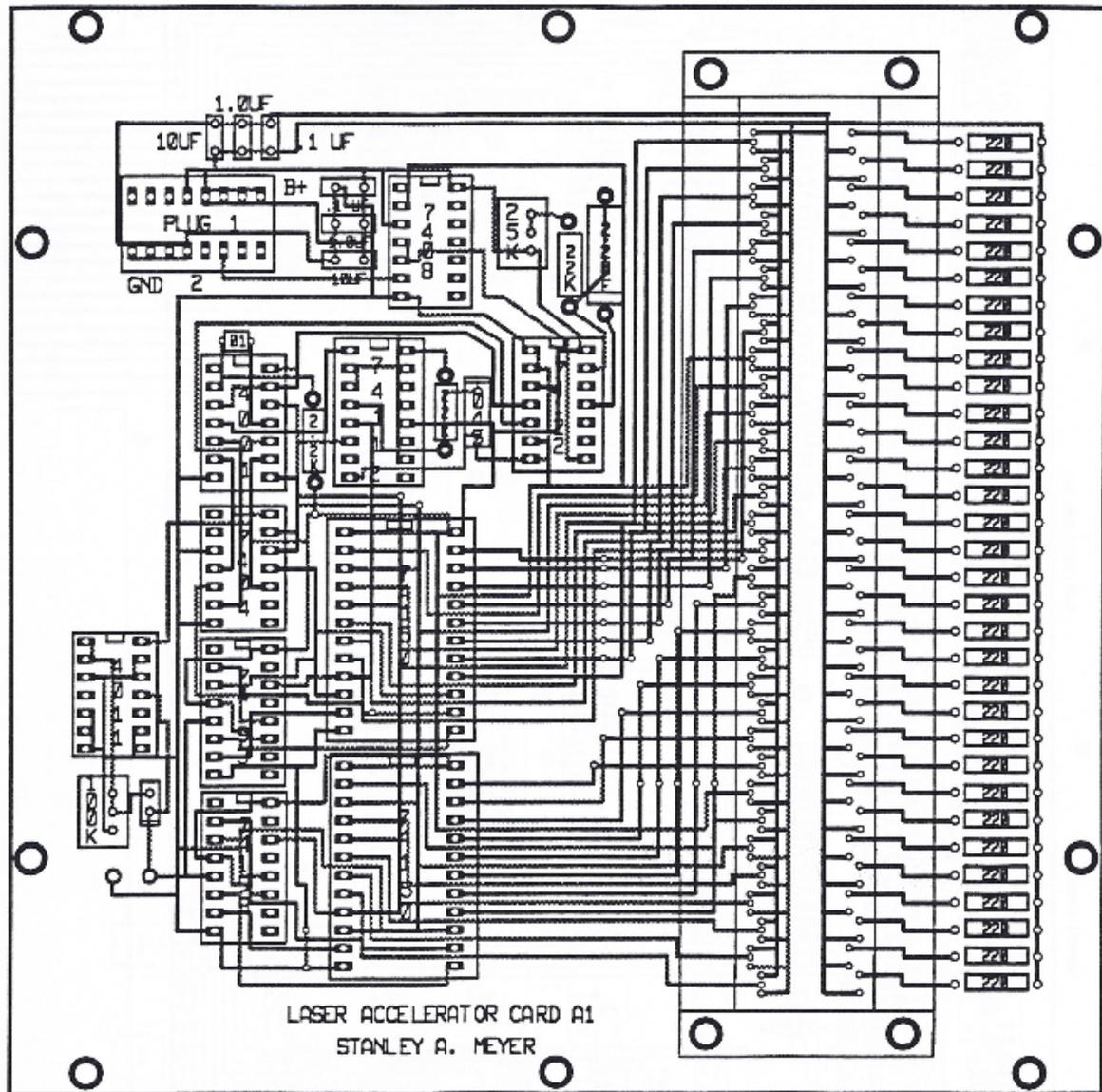
40 watts ÷ 12 volts battery = 3. amp/hr (current) draw capacity

00amp/hr battery ÷3. amp/hr current consumption =30.3 battery-life without recharging

Distributor Firing Sequence

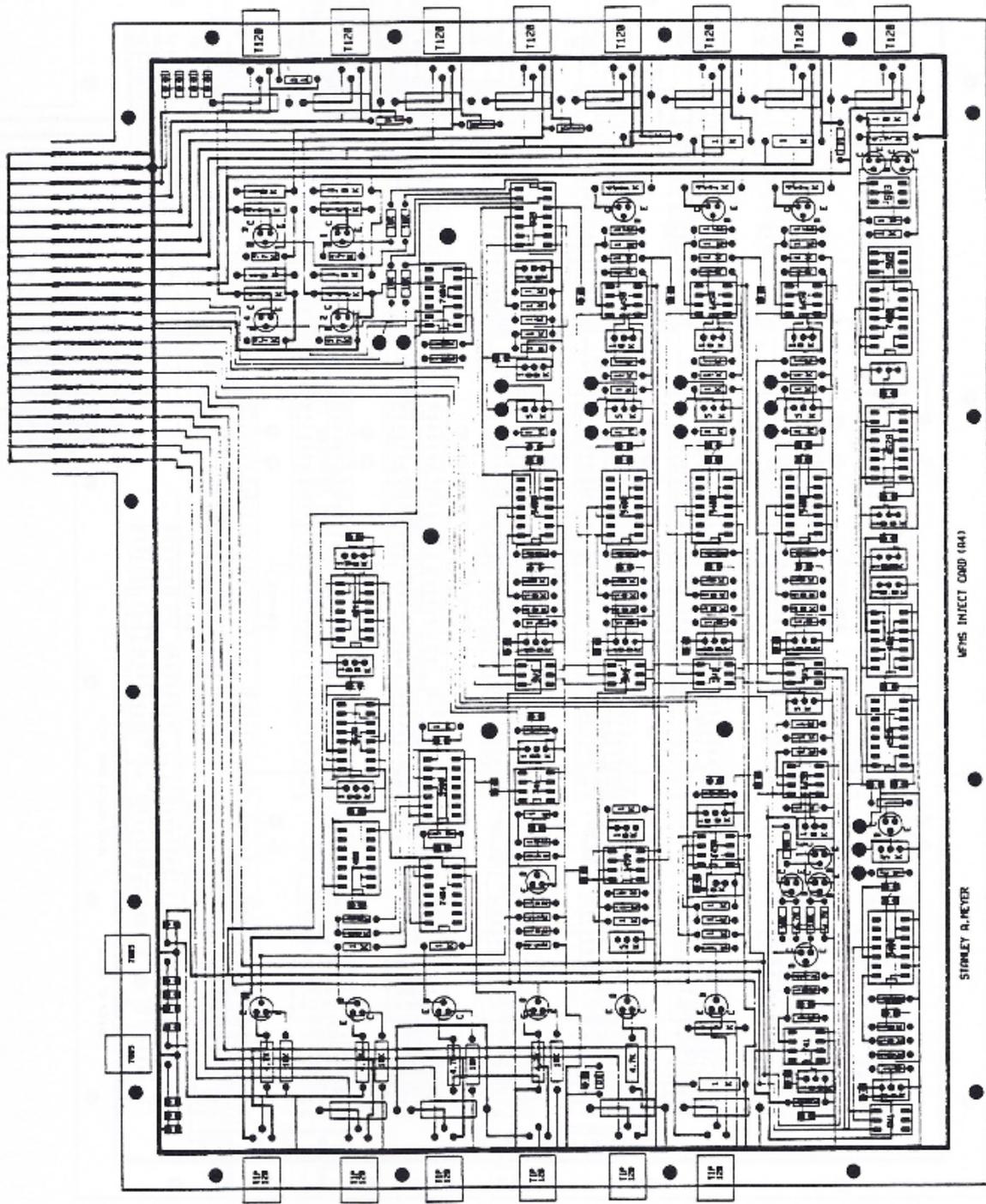
25 Rotor Revolution / sec ÷ 1000 = 25ms / Rev. Water Inject-Time & applied Pulse-Voltage

## WFMS Laser Acceleration Card A1



WFMS LASER ACCELERATION CARD A1

# WFMS Inject Card A2

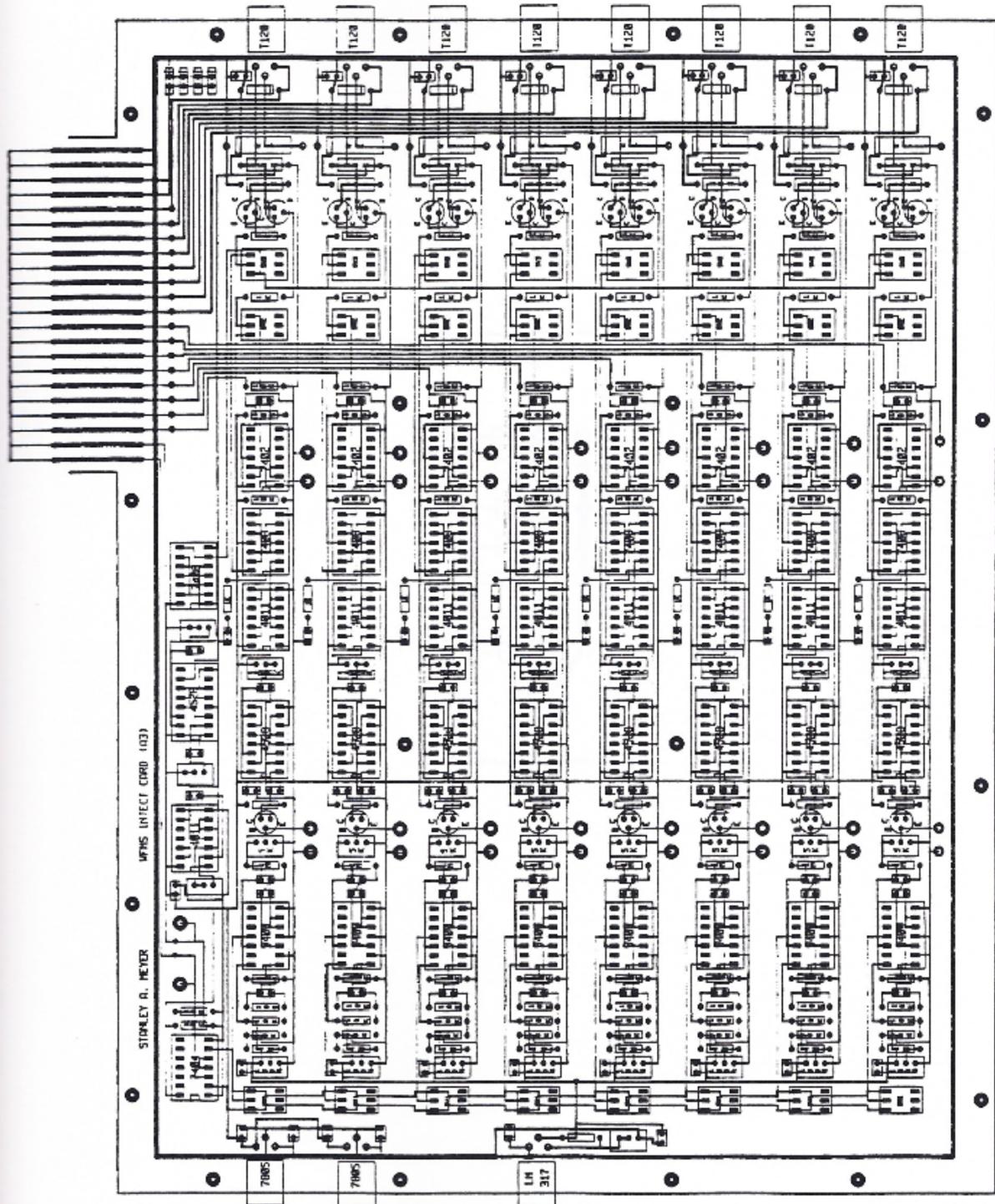


WFMS INJECT CARD A2

# WFMS Inject Card A3

RE: WATER FUEL INJECTION SYSTEM

Memo WFC 423 DA



WFMS INJECT CARD A3

---

Revision #3

Created 18 March 2024 22:52:35 by Chris Bake

Updated 27 March 2024 16:19:39 by Chris Bake