

# MICROTECH LT-8 +IGBT 4 CYL SEQUENTIAL ENGINE MANAGEMENT SYSTEM

IGNITION +12V

RED +12V

YELLOW

YELLOW/BLACK

YELLOW  
YELLOW/BLACK

ORANGE/BLACK  
ORANGE

THICK BLACK

IGN OUTPUT #1  
IGN OUTPUT #2  
IGN OUTPUT #3  
IGN OUTPUT #4  
IGN GND  
IGN GND

X4 IGBT

IGN INPUT #4  
IGN INPUT #3  
IGN INPUT #2  
IGN INPUT #1

COILPACKS

CYL #3

RED +12V

ORANGE/BLACK

ORANGE

IGNITION ON  
PINK WIRE

COILPACKS

CYL #4

CYL #2

IGN SETUP -

CONFIG = 04 CYL/R  
OUTPUT TRIG = -VE  
DUELL TYPE = TIME  
DUELL = 4.50 MS  
PUMP DUELL = 5.00 MS

4 COIL SETUP

IGN SETUP

IGN +12V

IGNITION COIL  
CYL 1 & 4

+12V

-VE

COIL PLUG

IGNITION COIL  
CYL 2 & 3

+12V

-VE

YELLOW/BLACK

IGN SETUP -

CONFIG = 04 CYL/R  
OUTPUT TRIG = TWIN  
DUELL TYPE = TIME  
DUELL = 4.00 MS  
PUMP DUELL = 4.50 MS

NOTE- SOFTWARE MAY  
NEED UPGRADE  
FOR TWIN COILS

GND  
AT  
ENGINE  
BLOCK

TACH OUTPUT  
SIGNAL

MICROTECH LT-8  
SEQUENTIAL

IGN OUTPUT #1  
IGN OUTPUT #2  
IGN OUTPUT #3  
IGN OUTPUT #4  
TACH OUTPUT (+12V)  
AUX OUTPUT #2

INJECTOR DRIVE #1 PRI\_1 (PRIMARY FRONT)  
INJECTOR DRIVE #2 PRI\_2 (PRIMARY REAR)  
INJECTOR DRIVE #3 SEC\_1 (SECONDARY FRONT)  
INJECTOR DRIVE #4 SEC\_2 (SECONDARY REAR)

BATTERY +  
GND  
IGNITION ON +12V  
FUEL PUMP RELAY

FUEL & SENSORS INPUT  
SEE FUEL DRAWING

5 VOLT  
T.P.S. INPUT  
AIR TEMP SENSOR  
WATER TEMP SENSOR  
SPARE

AUX OUTPUT  
OXYGEN SENSOR INPUT  
AUX INPUT

CRANK INPUT #1  
CRANK INPUT #2  
GND  
POWER N/C

IGNITION INPUT

X4 IGBT  
PIN OUTS

OUTPUT #4  
OUTPUT #1  
GND  
INPUT #4  
INPUT #1

Title <b>LT-8 X4 DIRECT FIRE</b>			
Size A3	Number 4 CYL X4 IGBT IGNITION DRAWING	Revision 1.0	
Date: 4-OCT 2004	Sheet 2 of 2		
File: LTX8 4/2	Drawn By: DDM		