Wire Colors				Software Selectable			Venus3 All Cyl Dizzy Firm 1			Software Selectable				Wire Colors		
			Sim	Pr3	Priority2	Priority1	Pin Name		Pin Name	Priority1	Priority2	Pr3	Sim			
	E24 CR-Only	**E22** CR+TDC	leds				P1 - 12 Way Input						leds	**E24** CR+TDC	**E24** CR-Only	
	Green	Green					Water Temp	7	1 Air Temp					Yellow	Yellow	
	Red	Red					Lambda	8	2 TPS					Blue	Blue	
	Red	Red					.+5 Volt Out	9	3 MAP					Blue	Blue	
	Red	Red					.+12 Volt Ign	10	4 GND					Black	Black	
	N/C	Yellow					TDC Sensor	11	5 TDC Power					Blue	N/C	
	Blue	Green					Crank Sensor	12	6 Crank Power					Red	Red	
								Internal	3Bar Alt Sensor	Altitude Sensor	Map Sensor					
E33 Adv	**E32** Std	**E31** No Rel					P2 - 10 Way Output							**E31** No Rel	**E32** Std	**E33** Adv
Black/Red	Black/Red	Black/Red	N6			Coil 1 Drv	Coil Negative 1	6	1 Coil Negative 2	Inj 5 Drv	Cam1	GP4	N5	Black/Purple	N/C	Black/Purple
Black/Brown	N/C	Black/Brown	N4	GP5		Inj 4 Drv	Coil Negative 3	7	2 Coil Negative 4	Inj 3 Drv		GP6	N3	Black/Orange	N/C	Black/Orange
Black/Yellow	Black/Yellow	Black/Yellow	N2			Inj 2 Drv	Coil Negative 5	8	3 Coil Negative 6	Inj 1 Drv			N1	Black/White	Black/White	Black/White
Green	Green	Green	RPM	GP3		RPM Out	GP Output 3	9	4 Relay Out	Relay Out			Relay	Blue/Black	Blue	Blue
Blue/White	Blue/White	Blue/White	GP2	GP2		Idle Valve	GP Output 2	10	5 GP Output 1	Dual Idle	Anti-Lag	GP1	GP1	Blue/Orange	Blue/Orange	Blue/Orange
	P05-P3	**USB**					6 Way USB							**USB**	**P05-P3**	
	Green	N/C					Tuning Pot	4	1 Dual Map Sw					N/C	Yellow	
	Yellow	Yellow					Receive	5	2 Transmit					Green	Green	
	Red	Red					.+5 Volt Out	6	3 GND					Blue	Blue	

Note!! Coil and Injector numbers used here are firing phases from the ECU. It is not the firing order on your engine.
Refer to the drawings for Phase to firing order comparison.

GP Output 1 to 3 = Negative drivers 20 Volt 8.9 Amp Drivers
RPM Output = Negative driver 20 Volt 8.9 Amp Drivers with 1K pullup to 12V
Coil Negative 1 to 6 = Negative Coil Drivers for Basic Coils 500 Volt 18 Amp Drivers
An optional 3 Bar map sensor can be soldered onto board. It can be used as Altitude or MAP sensor. For an internal MAP sensor you need to make a hole in the lid for the pipe to come through.
Basic Coil = Coil without driver - 0.5 to 0.9 Ohm Primary winding - Charges with earth signal and discharges with open signal
Smart Coil = Coil with Built in driver - Charges with positive signal and discharges with earth signal. External 220 Ohm 5 Watt resistor to 12V must be added for each driver.
If you use the 3 Bar onboard sensor for MAP then you must use a 2.5 Bar external sensor for Altitude.