Throttle by Wire
Calisto TxW Layout

Wire Colors		Sim leds	Priority2	Pin Names					Pin Names	Priority2	Sim leds	Wire Colors	
E67													**E67**
					P1 - 12 Way Input								
Yellow/Red				Water Sensor	Water Temp	7	1	Air Temp					
					Lambda	8	2	TPS	Throttle TPS Input			Green/Black	
Red				Sensors Power	.+5 Volt Out	9	3	MAP	Pedal TPS Input			Green Red	
Orange				12V Ignition In	.+12 Volt Ign	10	4	GND	TPS GND			Black	
					Cam Sensor	11	5	CAM Power					
Green				Crank Sensor	Crank Sensor	12	6	Crank Power					
					Internal			1.15 Bar Alt Sensor					
					P2 - 10 Way Output								
		N1			HV Negative 1	6	1	HV Negative 2			N2		
		N3			HV Negative 3	7	2	HV Negative 4			N4		
		N5			HV Negative 5	8	3	HV Negative 6			N6		
		RPM			LV Negative 2	9	4	LV Negative 1			Relay		
		N7			HV Negative 7	10	5	HV Negative 8			N8		
					P4 - 4 Way Serial								
		Led1			HV Negative 9	3	1	HV Negative 10			Led2		
		P5			LV Positive 5	4	2	LV Positive 6			P6		
E63					**P3 - 8 Way Output**								**E63**
Red/White		P1		TxW Motor Pos1	LV Positive 1	5	1	LV Positive 2	TxW Motor Pos2		P2	Red/Yellow	
Red/Orange		P3	GP1	TxW Clutch	LV Positive 3	6	2	LV Positive 4		GP2	P4	Red/Green	
Red				Battery +	.+12 Volt In	7	3	.+12 Volt In	Battery +			Red	
White		GP1		TxW Motor Neg1	HV Negative 11	8	4	HV Negative 12	TxW Motor Neg2		GP2	Blue	
P05-P3	**USB**				**6 Way USB**							**USB**	**P05-P3**
Green	N/C				Tuning Pot	4	1	Dual Map Sw	Dual Map			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.

Connect on Motor Positive
Connect on Motor Negative

HV Negative 1 to 12 = Negative drivers 400 Volt 42 Amp Drivers
LV Positive 1 to 6 = Positive Drivers 28 Volt 12 Amp
LV Negative 1 to 2 = Negative Drivers 100 Volt 8 Amp
An optional 1.15 Bar Altitude sensor can be soldered onto board
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 which is provided by the driver and a pull down resistor
The PCB has selectable Jumpers for Magnetic and Hall sensors
The PCB has Solder Jumpers for Pull-Up Resistrors for Water Air and RPM Output signals.