

					8Cyl VVTI 4SC 8Inj 6GP									
Wire Colors					Calisto ECU Layout								Wire Colors	
		Sim leds	Priority2	Pin Names						Pin Names	Priority2	Sim leds		
E61	E60				P1 - 12 Way Input									
Yellow/Red	Yellow/Red			Water Sensor	Water Temp	7	1	Air Temp	Air Sensor				Yellow/Black	Yellow/Black
Yellow/Green	Yellow/Green			Lambda Sensor	Lambda	8	2	TPS	TPS Sensor				Green/Black	Green/Black
Red	Red			Sensors Power	.+5 Volt Out	9	3	MAP	Map Sensor				Green Red	Green Red
Orange	Orange			12V Ignition In	.+12 Volt Ign	10	4	GND	Battery -				Black	Black
	Blue			Cam Sensor	Cam Sensor	11	5	CAM Power	Cam Sens +				Red	
Blue	Blue			Crank Sensor	Crank Sensor	12	6	Crank Power	Crank Sens +				Red	Red
								1.15 Bar Alt Sensor	Optional Altitude					
	E62				P2 - 10 Way Output								E62	
	Black/Red	N1		Injector Driver 1	HV Negative 1	6	1	HV Negative 2	Injector Driver 2			N2	Black/Purple	
	Black/Brown	N3		Injector Driver 3	HV Negative 3	7	2	HV Negative 4	Injector Driver 4			N4	Black/Orange	
	Black/Yellow	N5		Injector Driver 5	HV Negative 5	8	3	HV Negative 6	Injector Driver 6			N6	Black/White	
	Green	RPM		RPM Out	LV Negative 2	9	4	LV Negative 1	Relay Out			Relay	Blue/Black	
	Blue/White	N7		Injector Driver 7	HV Negative 7	10	5	HV Negative 8	Injector Driver 8			N8	Blue/Orange	
	E65				P4 - 4 Way Serial								E65	
	Blue/Red	Led1	GP3	Idle Valve	HV Negative 9	3	1	HV Negative 10	Intake Flap	GP4		Led2	Blue/Grey	
	Red/Black	P5	GP1	AntiLag	LV Positive 5	4	2	LV Positive 6	Dual Injectors	GP2		P6	Red/Blue	
E64	E63				P3 - 8 Way Output								E63	E64
Red/White	Red/White	P1		Smart Coil1	LV Positive 1	5	1	LV Positive 2	Smart Coil2			P2	Red/Yellow	Red/Yellow
	Red/Orange	P3		Smart Coil3	LV Positive 3	6	2	LV Positive 4	Smart Coil4			P4	Red/Green	
Red	Red			Battery +	.+12 Volt In	7	3	.+12 Volt In	Battery +				Red	Red
	White	GP1		Cam1	HV Negative 11	8	4	HV Negative 12	Cam2			GP2	Blue	
P05-P3	USB				6 Way USB								USB	P05-P3
Green	N/C			Variable POT	Tuning Pot	4	1	Dual Map Sw	RapidFire	FlatShift			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.

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 Resistors for Water Air and RPM Output signals.