

Aisin A341E						Calisto TCU Layout									
	Wire Colors													Wire Colors	
			Sim	Priority2	Pin Names					Pin Names	Priority2	Sim			
	E72	E71	leds			P1 - 12 Way Input						leds	E71	E72	
		Yellow/Red			Low Range Input	Water Temp	7	1	Air Temp	Oil 10K			Yellow/Black	Yellow/Black	
	Yellow/Green	Yellow/Green			Shifter In	Lambda	8	2	TPS	TPS			Yellow	Yellow	
					Sensors Power	.+5 Volt Out	9	3	MAP	4 Map Select			Green Red		
	Orange	Orange			12V Ignition In	.+12 Volt Ign	10	4	GND	Battery -			Black	Black	
	Blue	Blue			Speed	Cam Sensor	11	5	CAM Power	Speed Sens +			Red	Red	
	Green	Green			RPM	Crank Sensor	12	6	Crank Power	RPM Sens +					
								Internal	1.15 Bar Alt Sensor						
						P2 - 10 Way Output							E62		
		Black/Red	N1		Reverse Light	HV Negative 1	6	1	HV Negative 2	Lockup LED		N2	Black/Purple		
		Black/Brown	N3		N/C	HV Negative 3	7	2	HV Negative 4	N/C		N4	Black/Orange		
		Black/Yellow	N5		Retard	HV Negative 5	8	3	HV Negative 6	Starter Lockout		N6	Black/White		
		Green	RPM		Speed Out	LV Negative 2	9	4	LV Negative 1	Relay Out		Relay	Blue/Black		
		Blue/White	N7		GP2	HV Negative 7	10	5	HV Negative 8	GP1		N8	Blue/Orange		
						P4 - 4 Way Serial									
			Led1		N/C	HV Negative 9	3	1	HV Negative 10	N/C		Led2			
			P5		N/C	LV Positive 5	4	2	LV Positive 6	N/C		P6			
						P3 - 8 Way Output							E63		
		Red/White	P1		Shift A	LV Positive 1	5	1	LV Positive 2	Shift B		P2	Red/Yellow		
		Red/Orange	P3		Lockup Pressure	LV Positive 3	6	2	LV Positive 4	Line Pressure		P4	Red/Green		
		Red			Battery +	.+12 Volt In	7	3	.+12 Volt In	Battery +			Red		
		White	GP1		N/C	HV Negative 11	8	4	HV Negative 12	N/C		GP2	Blue		
						6 Way USB							USB	OT20	OT21
OT21	OT20	USB				Tuning Pot	4	1	Dual Map Sw	Second Start	Down Switch		N/C	Yellow	Yellow
Green	Green	N/C		Up Switch	Overdrive	Receive	5	2	Transmit				Green	Green	Green
Yellow	Yellow	Yellow				.+5 Volt Out	6	3	GND				Blue	Blue	Black
Red	Red	Red													

[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.

Negative 1 to 6 = Negative Drivers 41 Volt 19 Amp Drivers
Positive 1 to 4 = Positive Drivers 12 Volt 6 Amp current limit drivers
Coil Negative 1 to 6 = Negative Coil Drivers for Basic Coils 500 Volt 18 Amp Drivers
Tuning Pot and Coil Driver 6 share the same Micro Connection. Selection with Jumper J6 on board
Dual Map Switch and Coil Negative 5 share the same Micro Connection. Selection with Jumper J6 on board
Drivers not installed on PCB

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 which is provided by the driver and a pull down resistor
If you use the 3 Bar onboard sensor for MAP then you must use a 2.5 Bar external sensor for Altitude.

Coil Phaze	Coil Phaze	Fire Order Ex. 1 5 3 6 2 4	
		<i>Wasted Spark</i>	
Coil Drv 1	Coil Drv 1	1 - 6	
Coil Drv 2	Coil Drv 2	5 - 2	
Coil Drv 3	Coil Drv 3	3 - 4	

Inject Phaze	Order Ex. 1 5 3 6 2 4
	<i>Split Seq</i>
Inj Drv 1	1 - 6
Inj Drv 2	5 - 2
Inj Drv 3	3 - 4