

Wire Colors		Software		Pin Name		Pin Name		Software		Wire Colors		
OT02-P1	OT01-P1	Sim leds	Priority2	Priority1	P1 - 12 Way Input		Priority1	Priority2	Sim leds	OT01-P1	OT02-P1	
Green	Green			Low Range Input	Water Temp	7	1	Air Temp			Yellow	Yellow
Blue	Blue			Shifter In	Lambda	8	2	TPS			Yellow	Blue
Red	N/C				+.5 Volt Out	9	3	MAP			Red	Red
Orange	Orange				+.12 Volt Ign	10	4	GND			White	White
Blue	Blue			Speed	TDC Sensor	11	5	TDC Power			Red	Red
Blue	Green			RPM	Crank Sensor	12	6	Crank Power			N/C	Red
					Internal			3Bar Alt Sensor				
						<b>P2 - 10 Way Output</b>						
<b>E31</b>	<b>OT03 - P2</b>				Coil Negative 1	6	1	Coil Negative 2			<b>OT03 - P2</b>	<b>E31</b>
Black/Red	Black/Red	N5		Reverse Light	Coil Negative 3	7	2	Coil Negative 4			Black/Purple	Black/Purple
Black/Brown	Black/Brown	N7		N/C	Negative 2	8	3	Negative 1			Black/Orange	Black/Orange
Black/Yellow	Black/Yellow	N2		Retard	Negative 4	9	4	Negative 3			Black/White	Black/White
Green	Green	RPM		Speed Out	Negative 6	10	5	Negative 5			Blue	Blue/Black
Blue/White	Blue/White	N4		GP2							Blue/Orange	Blue/Orange
						<b>P3 - 8 Way Output</b>						
	<b>E36</b>				Positive 1	5	1	Positive 2			<b>E36</b>	
	Red/White	P1		Shift A	Positive 3	6	2	Positive 4			P2	Red/Yellow
	Red/Orange	P3		Lockup Pressure	+.12 Volt In	7	3	+.12 Volt In			P4	Red/Green
	Red				Coil Negative 5	8	4	Coil Negative 6			GP2	Blue
	White	GP1		N/C								
						<b>P4 - 4 Way Serial</b>						
				N/C	SDA	3	1	SCL				
				N/C	+.5 Volt Out	4	2	GND				
						<b>6 Way USB</b>						
<b>OT20</b>	<b>USB</b>				Tuning Pot	4	1	Dual Map Sw			<b>USB</b>	<b>OT20</b>
Green	N/C			Up Switch	Receive	5	2	Transmit			N/C	Yellow
Yellow	Yellow				+.5 Volt Out	6	3	GND			Green	Green
Red	Red										Blue	Blue

### Orion2 TCU Combo 1 Lexus A343E Ver 3.6A

Firmware Class - Advance Intermediate Standard

Polarity in Transmission is Common Negative

2 GP outputs available.

Only 10K oil temperature sensor selection is allowed. The sensor is 3.5K @20°C.

When overdrive or second start is selected then the tiptronic buttons will be disabled and there functions changed to these functions.

Low range, Overdrive and Second Start could be used with different map selections without connections to the tranny or buttons.

Shifter	Gears Allowed	Engine Break
P	1	
R	1	
N	1	
D	1,2,3,4	3,4
2	1,2,3	2,3
1	1,2	1,2