

Throttle by Wire

Orion2 TXW Layout

Wire Colors		Software Selectable		Pin Name				Software Selectable		Wire Colors			
		Sim leds	Priority1	Pin Name			Pin Name	Priority1	Sim leds				
	E24 CR-Only	E22 CR+TDC		P1 - 12 Way Input									
	Green	Green		Water Sensor	Water Temp	7	1	Air Temp	Speed Control Input		Yellow	Yellow	
	Red	Red			Lambda	8	2	TPS	Throttle TPS Input		Blue	Blue	
	Red	Red		TPS Power	+.5 Volt Out	9	3	MAP	Pedal TPS Input		Blue	Blue	
	Red	Red		Ignition 12V	+.12 Volt Ign	10	4	GND	TPS GND		Black	Black	
	N/C	Yellow		Speed Input	TDC Sensor	11	5	TDC Power	Speed Power		Blue	N/C	
	Blue	Green		RPM Input	Crank Sensor	12	6	Crank Power	RPM Power		Red	Red	
					Internal			3Bar Alt Sensor	Altitude Sensor				
				P2 - 10 Way Output									
E33 Adv	E32 Std	E31 No Rel									E31 No Rel	E32 Std	E33 Adv
Black/Red	Black/Red	Black/Red	N5	TxW Motor Neg1	Coil Negative 1	6	1	Coil Negative 2	TxW Motor Neg2	N6	Black/Purple	N/C	Black/Purple
Black/Brown	N/C	Black/Brown	N7	Fan On/Off Output 2	Coil Negative 3	7	2	Coil Negative 4	Fan Control Output	N8	Black/Orange	N/C	Black/Orange
Black/Yellow	Black/Yellow	Black/Yellow	N2	Speed Output	Negative 2	8	3	Negative 1	Fan 1 LED	N1	Black/White	Black/White	Black/White
Green	Green	Green	RPM	RPM Output	Negative 4	9	4	Negative 3	Relay	Relay	Blue/Black	Blue	Blue
Blue/White	Blue/White	Blue/White	N4	Speed Control LED	Negative 6	10	5	Negative 5	Fan 2 LED	N3	Blue/Orange	Blue/Orange	Blue/Orange
				P3 - 8 Way Output									
		E36									E36		
		Red/White	P1	TxW Motor Pos1	Positive 1	5	1	Positive 2	TxW Motor Pos2	P2	Red/Yellow		
		Red/Orange	P3	TxW Clutch	Positive 3	6	2	Positive 4	ELR	P4	Red/Green		
		Red			+.12 Volt In	7	3	+.12 Volt In			Red		
		White	GP1	Traction LED	Coil Negative 5	8	4	Coil Negative 6		GP2	Blue		
				P4 - 4 Way Serial									
					SDA	3	1	SCL					
					+.5 Volt Out	4	2	GND					
				6 Way USB									
	P05-P3	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	