



Delta 400 - ECU Pinout

Connector A: AMPSeal 776164-1

Terminal Pins 770520-3

PC Connector: Female DB9

Connector A

Pin	Name	Description	Notes
1	Battery	Direct Battery Supply (15A fuse)	Direct Battery Power 6-15V
2	Ignition	Ignition Switched Supply (10A fuse)	Ignition Key Input
3	Power Ground 1	Power Ground	Power Ground
4	Low Side Output 1	3A Open Collector	Injector 1
5	Low Side Output 2	3A Open Collector	Injector 2
6	Low Side Output 3	3A Open Collector	Injector 3
7	Low Side Output 4	3A Open Collector	Injector 4
8	Crank/Cam Ground	Digital Ground	Crank/Cam Sensor Ground
9	Crank Input	VR/Hall - Software Selectable	Crank Sensor Input
10	Cam Input 1	VR/Hall - Software Selectable	Inlet Cam Sensor 1 Input
11	NTC Input 1	3.16K pull-up to VREF	Coolant Temp Input
12	NTC Input 2	3.16K pull-up to VREF	Air Temp Input
13	Ignition 1	TTL/Power Ignition Output	Ignition 1
14	Ignition 2	TTL/Power Ignition Output	Ignition 2
15	Ignition 3	TTL/Power Ignition Output	Ignition 3
16	Ignition 4	TTL/Power Ignition Output	Ignition 4
17	Analog Input 1	47k pull-up to VREF	User Configurable 0-5V Analog Input
18	Cam Input 2	VR/Hall - Software Selectable	Cam 2 / Wheel Speed
19	Analog Ground 1	Analog Ground	Analog Ground
20	Lambda 1 Input	Weak bias to 450mV	0-5V Analog Input
21	CAN 1H	120 Ohm Terminated	To PC comms DB9
22	CAN 1L		To PC comms DB9
23	Low Side Output 5	3A Open Collector	MFIO Injector 5 and Lambda 3 Input
24	Low Side Output 7	3A Open Collector w/ recirc diode	Main Relay/PWM1
25	Low Side Output 8	3A Open Collector w/ recirc diode	Fuel Pump Relay/PWM2
26	Low Side Output 9	3A Open Collector w/ recirc diode	PWM3
27	Low Side Output 10	3A Open Collector w/ recirc diode	PWM4
28	Low Side Output 11	3A Open Collector with pull-up to VB	Tacho Output
29	Low Side Output 6	3A Open Collector	MFIO Injector 6 and Lambda 4 Input
30	Analog Ground 2	Analog Ground	Analog Ground
31	NTC Input 3	3.16K pull-up to VREF	NTC1
32	Analog Input 2	47k pull-up to VREF	TPS1
33	Analog Input 3	47k pull-up to VREF	MAP
34	VREF	500mA 5V supply to sensors	5V Reference
35	Power Ground 2	Power Ground	Power Ground 2