

SDS CPI-2 Ignition Pin Outs

Nov. 6/19

The CPI-2 controllers have 7 connectors arranged Left to Right as follows:

2 Pin Molex

Pin 1	Backup battery negative	Black
Pin 2	Backup battery Positive	Red

12 Pin Molex

Pin 1	Coil pack ground	Black	
Pin 2	Coil pack power	Red	
Pin 3	Coil channel 1	Orange	
Pin 4	Coil channel 2	White	
Pin 5	Coil channel 3	Blue	
Pin 6	Chassis ground	Black	
Pin 12	Coil power	Red	10 amp breaker

DB9

Data cable for programmer

14 Pin Molex

Pin 1	Terminal L on key switch/ mag check	Grey	
Pin 3	Tach output 12V square wave	Green	
Pin 7	Redundant chassis ground	Black	
Pin 8	Terminal R on key switch/ mag check	Yellow	
Pin 14	CPU power main bus	Purple	2-5 amp breaker

4 Pin Molex

Pin 1	Hall sensor ground	Blue
Pin 2	Hall sensor trigger signal	White
Pin 3	Hall sensor +5V	Orange
Pin 4	Hall sensor synch signal	Green

3.5mm Audio Jack

Aural warning output to intercom

3.5mm Audio Jack

RS232 output to PC for data logging