

## EM-5 Aviation System ECU Pinouts

Oct. 10/16

### DB25

Pin 1	Switched 12V power ECU
2	TPS 5V
3	Knob 5V
4	MAP 5V
5	Not used
6	MAP signal
7	Air temp +
8	Coil trigger 8 cyl. Channel A
9	Coil trigger 4 cyl./6 cyl. Channel A, Channel B 8 cyl.
10	Coil trigger 6 cyl. Channel B, Channel C 8 cyl.
11	Coil trigger 4 cyl. Channel B, 6 cyl. Channel C, 8 cyl. Channel D
12	5V tach output
13	Ignition advance/ LOP switch enable input
14	Mixture knob ground
15	MAP ground
16	Air temp ground
17	Engine temp ground
18	ECU ground
19	Mixture knob ground
20	Engine temp +
21	TPS signal
22	12V tach output
23	Not used
24	O2 sensor input
25	TPS ground

### DB9 Hall Sensor

Pin 3	Ground
4	Trigger signal
5	+5V
8	Synch signal

### Wire colors Sheathed Cable

2 conductor- White + or power, Blue ground

3 conductor- Orange + or power, White signal, Blue ground

4 conductor (Hall sensor) Red +5V, White trigger signal, Black ground, Green synch signal