

AgOpenGPS PCB V4.1- Ampseal Pinout-Steer motor

Ampseal Pin Number	Description	Comment
1	5V+ Wheel Angle Sensor (WAS)	WAS 5V power.
2	WAS Signal	WAS signal wire.
3	WAS	Differential signal, not normally used.
4	Ground	Use as WAS Ground.
5	Left-	Motor/valve left.
6	Right-	Motor/valve right.
7	Lock	Switched 12V, when autosteer enabled. Use to power relay for valve activation or for motor freewheel relay.
8	Steerswitch	Connect to momentary switch (button) or on/off switch. Used to turn autosteer on/off. Connect the other wire from switch to any Ground, Pin 21 commonly used.
9	Workswitch	Used to turn section control/work coverage on/off, (must be switch not momentary).
10	Pressure	Used for pressure sensor in valve setup or for steering wheel encoder.
11	Do Not Use	
12	Do Not Use	
13	Do Not Use	
14	Speed Output+	Speed pulse output for providing speed to an implement such as sprayer, seeder or spreader.
15	Speed Output-	Speed pulse output for providing speed to implement such as sprayer, seeder or spreader.
16	CAN High	Canbus High (yellow wire).
17	CAN Low	Canbus Low (green wire).
18	12or24V+ Power for Cytron motor controller	12 or 24V direct to the Cytron, MUST have isolation switch and be fused (Max 10 Amps, but specify to installation).
19	Do Not Use	
20	12V Output (Max 1 Amp)	12V Output from PCB, max 1 Amp, not normally used.
21	12V Ground	Additional Ground, can be used with Steerswitch (Pin 8).
22	12V+ PCB power	12V supply from vehicle battery, MUST have isolation switch and be appropriately fused.
23	12V Ground	12V Ground from vehicle battery.