

Civinco - SA1000G3v3 pin configuration

rev 2010-06-04

SApin	Colour	Name	Info
Master			
A1-1	black	Power GND	
M2	white	5v out	Supply for MAP-sensor
M3	white	Digital 1 out	
M4	white	Coolant temp in	
M5	white	PWM 1 out	
M6	white	MAP sensor signal in	
M7	white	Digital 2 out	
M8	white	Throttle Position Sensor	
M9	white	PWM 2 out	
M10	white	AFR 1 sensor in	
M11	white	IGN B out	
M12	white	Intake Air temp in	
M13	white	IGN A out	
M14	white	Crank sensor in	pair twisted with signal ground
M15	white	Fuel D OUT	
M16	white	Analog AUX 1	if unconnected, internally to 12V
M17	white	Fuel C OUT	
M18	white	Digital 2 in	Launch control, Fuel long term, Ignition cut, Extra air, ALS, 2nd RPM limit
M19	white	Fuel B OUT	
M20	white	Digital 1 in	Launch control, 2nd RPM limit
M21	white	Fuel A OUT	
M22	white	Cam Sensor in	pair twisted with signal ground
M23	black	Power GND	
M24	red	12 V Power	
A1-2	black / white	Signal GND to all sensors	
A1-3	black / white	Signal GND to all sensors	
A1-4	black / white	Signal GND to all sensors	

SApin	Colour	Name	Info
Slave			
S1	black	Power GND	
S2	white	5v out	
S3	white	Digital 3 out	
S4	white	Coolant temp in	
S5	white	PWM 3 out	
S6	white	MAP sensor signal in	internally connected to master
S7	white	Digital 4 out	
S8	white	Throttle Position Sensor	
S9	white	PWM 4 out	
S10	white	AFR 2 sensor in	
S11	white	IGN D out	
S12	white	Intake Air temp in	
S13	white	IGN C out	
S14	white	Crank sensor in	pair twisted with signal ground
S15	white	Fuel H OUT	
S16	white	Analog AUX 3	if unconnected, internally to 12V
S17	white	Fuel G OUT	
S18	white	Digital 4 in	Launch control, Fuel long term, Ignition cut, Extra air, ALS, 2nd RPM limit
S19	white	Fuel F OUT	
S20	white	Digital 3 in	Launch control, 2nd RPM limit
S21	white	Fuel E OUT	
S22	white	Cam Sensor in	pair twisted with signal ground
S23	black	Power GND	

Digital output configurable to (pin 3&7):

ASD relay
RPM tach
Fan control
Error code indikation
RPM controlled
Analog controlled
RPM&Analog controlled
Vanos & VTEC

PWM output configurable to (pin 5&9)

PWM AFR
PWM Throttle
PWM MAP
PWM Coolant
PWM Bat/Aux1
PWM IAT/Aux2
PWM RPM

SA1000 pin numbering in box

