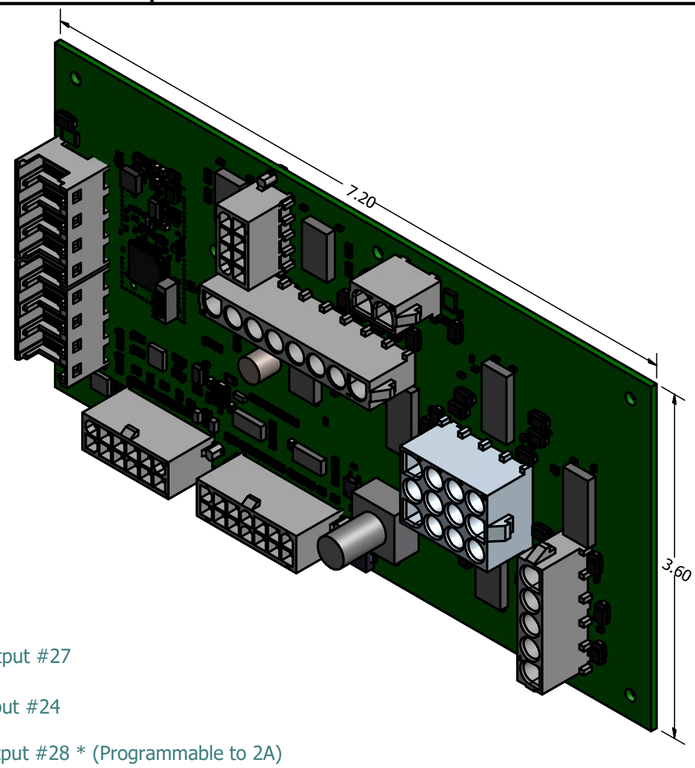
PRELIMINARY PINOUT FOR REVIEW AND APPROVAL ONLY



J9 (High Current Outputs 3A)

- Pin 1 (IC2) - Dimmable Output #9 (10A)
- Pin 2 (IC2) - Dimmable Output #10
- Pin 3 (IC2) - Dimmable Output #11
- Pin 4 (IC1) - Dimmable Output #12
- Pin 5 (IC1) - Dimmable Output #13
- Pin 6 (IC1) - Dimmable Output #14(10A)
- Pin 7 (IC1) - Dimmable Output #15
- Pin 8 (IC1) - Dimmable Output #16

J11 (High Current Outputs 3A)

- Pin 1 (IC5) - Output #29
- Pin 2 (IC5) - Output #30
- Pin 3 (IC5) - Output #31
- Pin 4 (IC5) - Output #32
- Pin 5 (IC5) - Output #33 (10A)

J8 (High Current Outputs 3A)

- Pin 11 (IC4) - Output #27
- Pin 8 (IC4) - Output #24
- Pin 10 (IC4) - Output #26
- Pin 12 (IC3) - Output #28 * (Programmable to 2A)
- Pin 7 (IC4) - Output #23 (10A)
- Pin 9 (IC3) - Output #25
- Pin 4 (IC4) - Dimmable Output #20
- Pin 6 (IC3) - Output #22 (10A)
- Pin 1 (IC2) - Dimmable Output #17
- Pin 3 (IC3) - Dimmable Output #19
- Pin 5 (IC3) - Output #21
- Pin 2 (IC2) - Dimmable Output #18

J10 (GND Outputs)

- Pin 2 - Output #35
- Pin 1 - Output #34

J6
Module 12V+ (M8 Bolt)

J7 (Low Current HVAC Outputs 500mA)

- Pin 8 - Output #8
- Pin 7 - Output #7
- Pin 6 - Output #6
- Pin 5 - Output #5
- Pin 1 - Output #1
- Pin 2 - Output #2
- Pin 3 - Output #3
- Pin 4 - Output #4

NET LED

12 AWG GND Wire

RVC Network Ports (8)

J1 (Inputs)

- Pin 1 - SW Input #1 (12V+)
- Pin 2 - SW Input #2 (12V+)
- Pin 3 - SW Input #3 (12V+)
- Pin 4 - SW Input #4 (12V+)
- Pin 5 - SW Input #5 (12V+)
- Pin 6 - Gen Run Input
- Pin 7 - Chassis Voltage Input
- Pin 8 - SW Input #6 (GND)
- Pin 9 - SW Input #7 (GND)
- Pin 10 - SW Input #8 (GND)
- Pin 11 - SW Input #9 (GND)
- Pin 12 - SW Input #10 (GND)
- Pin 13
- Pin 14 - Real Time Clock Constant 12V+ Input

J2 (Inputs)

- Pin 1 - Thermistor Input #1
- Pin 2 - Thermistor Input #2
- Pin 3 - Tank Input #1
- Pin 4 - Tank Input #2
- Pin 5 - Tank Input #3
- Pin 6 - Tank Input #4
- Pin 7 - GND
- Pin 8 - GND
- Pin 9 - GND
- Pin 10 - GND
- Pin 11 - Tank Input # 5 OR LPG Tank Input #2
- Pin 12 - LPG Tank Input #1

*ALL DIMENSION ARE IN INCHES

Preliminary Operational Specs	
Max Current (constant)	40 A
Max Current (per IC)	20 A
Standby Current	80 mA @ 12V
DC Input Voltage Rating	11-14.5 V
Temperature Rating	-20 - +40 °C (Must have adequate ventilation)

Torque Spec		
Min	Max	Bolt
60 in-lbf	70 in-lbf	J7

Variants	
Description	Model Number
LPG & Touch Sensors	BMODWTIR1
LPG & Probe Sensors	BMODWTIR2
Tank 5 & Touch Sensors	BMODWTIR3
Tank 5 & Probe Sensors	BMODWTIR4

Pins			
Manufacturer	Part Number	Description	Mate
TE	1-770988-1	MINI UMNL SOK 22-18 AWG	J1, J2, J7
TE	350551-6	UMNL SOK 20-14	J8, J9, J10, J11

NET LED Status	
LED Activity	Status
Solid Green	Device is connected to network and communicating properly
Off	Device has no power or has completely failed
Solid Red	Device has gone offline and is not connected to network
Fast Flashing Green (4 times/sec)	Device is attempting to make initial connection to network
Slow Flashing Green (1 time/sec)	Device was online but has not seen a valid network message for 5 seconds
Alternating Red & Orange	Device has gone offline and is attempting to re-connect (within 30 seconds)
Alternating Green & Orange	Device is currently online but has gone offline 2 or more times

Mating Connectors			
Manufacturer	Part Number	Description	Mate
TE	770582-1	14P MINI UMNL PLUG	J1
TE	770581-1	12P MINI UMNL PLUG	J2
TE	770579-1	08P MINI UMNL PLUG	J7
TE	1-480708-0	12P UMNL PLUG	J8
TE	640582-1	08P UMNL PLUG	J9
TE	1-480698-0	02P UMNL PLUG	J10
TE	1-480763-0	05P UMNL PLUG	J11

DRAWN	Engineering	9/27/2017
CHECKED		
QA		
MFG		
APPROVED		

TITLE: G9 Preliminary Pinout 1v0

SIZE	DWG NO	REV
C		1v0

SCALE

SHEET 1 OF 1