

G6A CONTROL PANEL LAYOUT
Tiffin PN: 5064969 Spyder PN: BENCZ52C9
BUS/PHTN - HOUSE Rev 4v0
PINOUT DIAGRAM - 8.4.2017

Back View

- CONNECTOR 4**
- 4-1 (G6 LED 13) REAR BATH/MID SINK CEILING LIGHTS
 - 4-2 (G6 LED 14) TASK LIGHTS
 - 4-3 (G6 LED 15) MID BATH CEILING LIGHTS
 - 4-4 (G6 LED 16) MID BATH VANITY LIGHTS

- CONNECTOR 5**
- 5-1 (G6 LED 17) REAR BATH/MID SINK VANITY LIGHTS
 - 5-2 (G6 LED 18) TV ACCENT LIGHTS
 - 5-3 (G6 LED 19) FR ACNT LIGHTS
 - 5-4 (G6 LED 20) FR ACNT LIGHTS

- CONNECTOR 6**
- 6-1 (G6 LED 21) BED ACCENT
 - 6-2 (G6 LED 22) SPARE
 - 6-3 (G6 LED 23) RR ACNT LIGHTS
 - 6-4 (G6 LED 24) RR ACNT LIGHTS

- CONNECTOR 10**
- 10-1 (G6 LED 37) FLR HT ZONE 1
 - 10-2 (G6 LED 38) FLR HT ZONE 2
 - 10-3 (G6 LED 39) SPARE
 - 10-4 (G6 LED 40) SPARE

- CONNECTOR 11**
- 11-1 (G6 LED 41) BED LIFT UP
 - 11-2 (G6 LED 42) BED LIFT DN
 - 11-3 (G6 LED 43) FR TV LIFT UP
 - 11-4 (G6 LED 44) FR TV LIFT DN

J17--- FR TV LIFT COMMON

J18--- FR TV LIFT COMMON

J19--- RR TV LIFT COMMON

J20--- RR TV LIFT COMMON

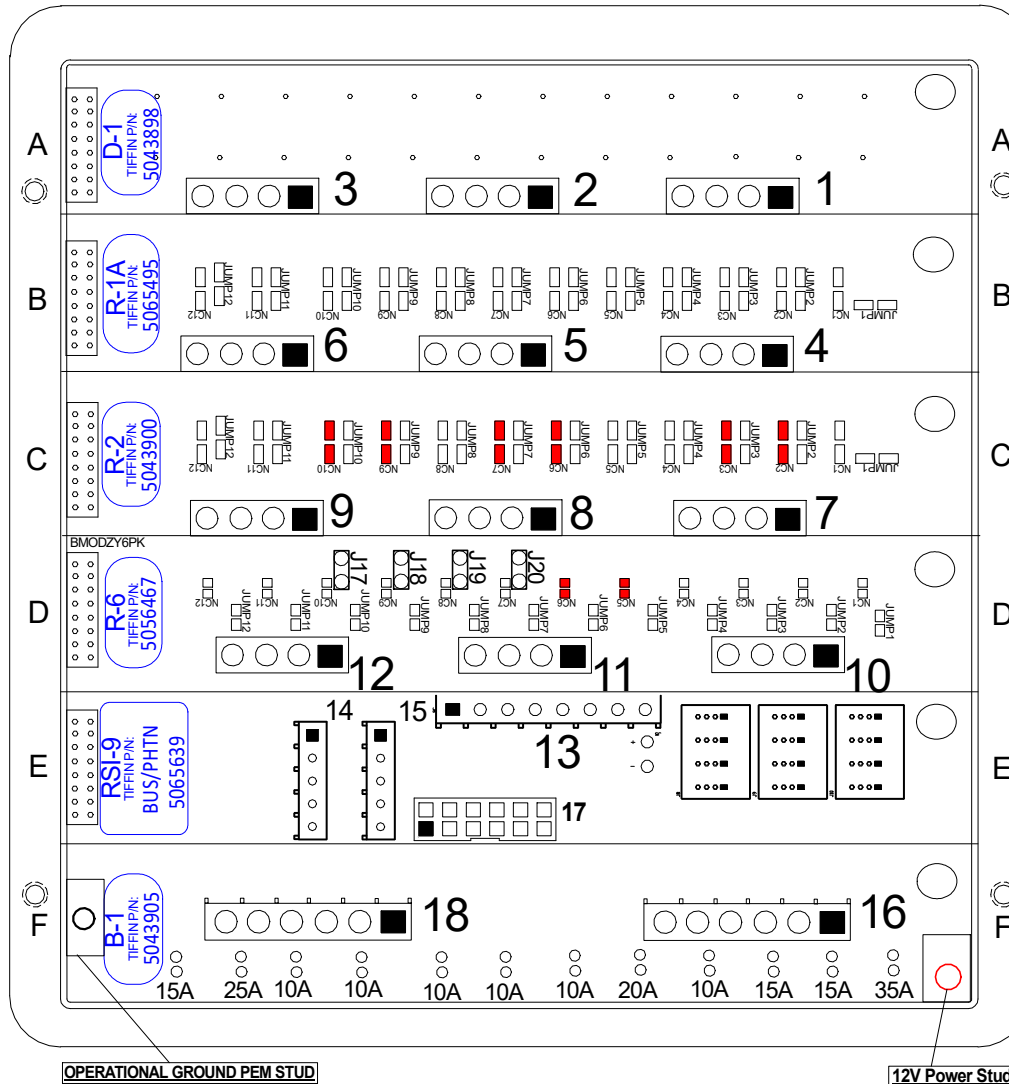
- CONNECTOR 12**
- 12-1 (G6 LED 45) BED TV LIFT UP
 - 12-2 (G6 LED 46) BED TV LIFT DN
 - 12-3 (G6 LED 47)
 - 12-4 (G6 LED 48)

- CONNECTOR 17**
- 17-6
 - 17-5 REAR AC THERMISTOR
 - 17-4 MID AC THERMISTOR
 - 17-3 FRONT AC THERMISTOR
 - 17-2 REAR FLOOR HT THERMISTOR
 - 17-1 FRONT FLOOR HT THERMISTOR

- CONNECTOR 14 (12V+ INPUTS)**
- 14-1 WTR HTR STATUS
 - 14-2
 - 14-3
 - 14-4 BED LIFT PLUNGER
 - 14-5 SPARE

- CONNECTOR 15 (GND INPUTS)**
- 15-1
 - 15-2 BEDROOM LIGHT SWITCH
 - 15-3 CLOSET LIGHT SW
 - 15-4
 - 15-5

GND



OPERATIONAL GROUND PEM STUD

12V Power Stud

- CONNECTOR 18**
- 18-1
 - 18-2
 - 18-3
 - 18-4 BRKR TO RR SLIDE
 - 18-5 FRIDGE
 - 18-6

- CONNECTOR 16**
- 16-1
 - 16-2 FRONT FURNACE
 - 16-3 REAR FURNACE
 - 16-4 SWITCHER / LP/IR
 - 16-5 OUTSIDE TV
 - 16-6

- CONNECTOR 1**
- 1-1 (G6 LED 1) MAIN O/H / LIV RM LIGHT
 - 1-2 (G6 LED 2) ENTRY / FLOOR LIGHT
 - 1-3 (G6 LED 3) PS CEILING LIGHTS
 - 1-4 (G6 LED 4) DS CEILING LIGHTS

- CONNECTOR 2**
- 2-1 (G6 LED 5) MID HALL LIGHTS
 - 2-2 (G6 LED 6) PS SLIDE LIGHTS
 - 2-3 (G6 LED 7) SCONCE
 - 2-4 (G6 LED 8) DS SLIDE LIGHTS

- CONNECTOR 3**
- 3-1 (G6 LED 9) FR CRTSY LIGHTS
 - 3-2 (G6 LED 10) RR CRTSY LIGHTS
 - 3-3 (G6 LED 11) BED SCONCE LIGHTS
 - 3-4 (G6 LED 12) BEDROOM LIGHTS

- CONNECTOR 7**
- 7-1 (G6 LED 25) GALLEY FAN ON/OFF
 - 7-2 (G6 LED 26) GALLEY FAN UP
 - 7-3 (G6 LED 27) GALLEY FAN DN
 - 7-4 (G6 LED 28) CLOSET LIGHTS (OPTIONAL)

- CONNECTOR 8**
- 8-1 (G6 LED 29) MID BATH FAN ON/OFF
 - 8-2 (G6 LED 30) MID BATH FAN UP
 - 8-3 (G6 LED 31) MID BATH FAN DN
 - 8-4 (G6 LED 32) REAR BATH / MID SINK FAN ON/OFF

- CONNECTOR 9**
- 9-1 (G6 LED 33) REAR BATH / MID SINK FAN UP
 - 9-2 (G6 LED 34) REAR BATH / MID SINK FAN DN
 - 9-3 (G6 LED 35) CEILING FAN LO
 - 9-4 (G6 LED 36) CEILING FAN HI

- CONNECTOR 13**
- 13-1
 - 13-2 CONSTANT 12V+ (BATT)
 - 13-3 GND (COMMON FOR SENSORS)
 - 13-4 LPG SENSOR INPUT
 - 13-5 BLACK TANK SENSOR
 - 13-6 GREY TANK SENSOR
 - 13-7 FRESH TANK SENSOR
 - 13-8

R=RELAY CARD
B=BREAKER CARD
RSI-9=INPUT MODULE
D=DIMMER CARD
■ = JUMPED

NOTE: CONNECTORS ARE SHOWN HERE IN THE LOADED (REAR) VIEW.

CONNECTOR 4

4-1 (LED 13) AWNING LIGHT

4-2 (LED 14) HEADLIGHTS (INDICATION FLASH)

4-3 (LED 15) DOOR / ASSIST HANDLE

4-4 (LED 16) SLIDE BOX LIGHTS

CONNECTOR 5

5-1 (LED 17) SOFA DAY SHD UP

5-2 (LED 18) SOFA DAY SHD DN

5-3 (LED 19) SOFA NIGHT SHD UP

5-4 (LED 20) SOFA NIGHT SHD DN

CONNECTOR 6

6-1 (LED 21) STEP EXT
6-2 (LED 22) STEP RET
6-3 (LED 23) GEN START
6-4 (LED 24) GEN STOP

CONNECTOR 7

--- 7-1 (LED 25) U-COACH ACNT (PARK)
--- 7-2 (LED 26) WNDSHLD ACNT LT
--- 7-3 (LED 27) MAP LT
--- 7-4 (LED 28) SPARE

CONNECTOR 8

	8-1 (LED 29) PASSENGER FAN HI
	8-2 (LED 30) PASSENGER FAN LO
	8-3 (LED 31) ROAD LIGHT
	8-4 (LED 32) PORCH LIGHT

CONNECTOR 9

9-1 (LED 33) SPARE
9-2 (LED 34) SPARE
9-3 (LED 35) SPARE
9-4 (LED 36) SPARE

 PARK BRAKE SIG
IGNITION SIGNAL

--- **IGNITION SIGNAL**

CONNECTOR 13

- 13-1 MAP LT / RADIO / FANS
- 13-2 DASH USB POWER
- 13-3 KEYLESS POWER
- 13-4 ENTRY STEP SWITCH
- 13-5 ENTRY STEP POWER
- 13-6 KEYLESS ENTRY POWER

CONNECTOR 15

15-1 POWER SEAT #1
15-2 CB
15-3 ELEC STEP COVER
15-4 SATELLITE
15-5 DASH SHADE MODULE
15-6 POWER SEAT #2

R=RELAY CARD
B=BREAKER CARD
BR=BREAKER/
RELAY CARD
D=DIMMER CARD
■ = JUMPERED

 0-1 FRONT SLIDE MODULE
 0-2 VANITY SLIDE MODULE
 0-3 BED SLIDE MODULE

 --- **1-1** (LED 1) D/S FR SLIDE RET
 --- **1-2** (LED 2) D/S FR SLIDE EXT
 --- **1-3** (LED 3) P/S FR SLIDE RET
 --- **1-4** (LED 4) P/S FR SLIDE EXT

- ② ---2-1 (LED 5) D/S RR SLIDE RET
- ③ ---2-2 (LED 6) D/S RR SLIDE EXT
- ④ ---2-3 (LED 7) P/S RR SLIDE RET
- ⑤ ---2-4 (LED 8) P/S RR SLIDE EXT

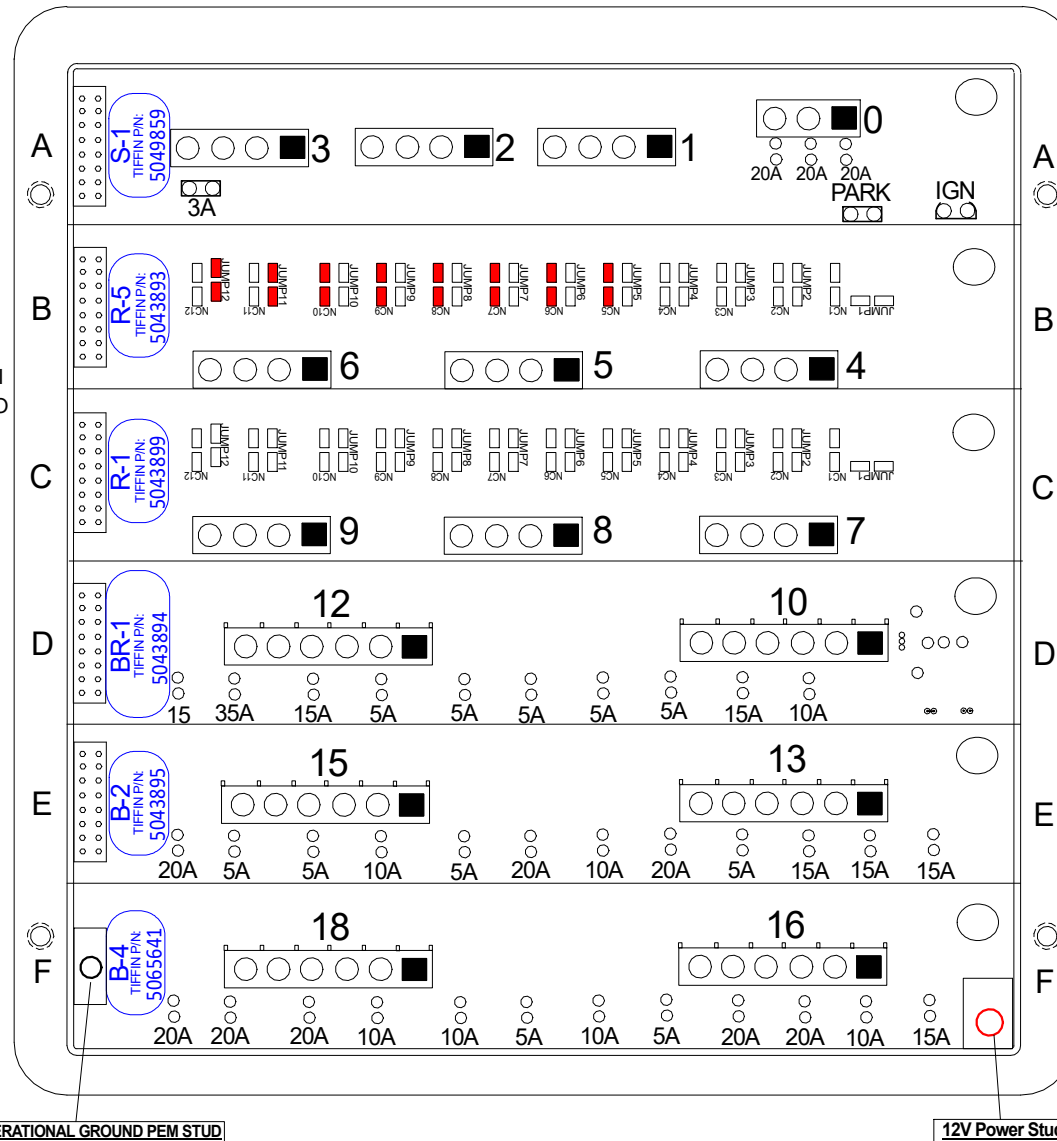
④ --- 3-1 (LED 9) HYDRAULIC PMP - D/S SLIDE
 ④ --- 3-2 (LED 10) HYDRAULIC PMP - P/S SLIDE
 ④ --- 3-3 (LED 11) PORCH/DOOR AWNING CONST
 ④ --- 3-4 (LED 12) SPARE

3A-1

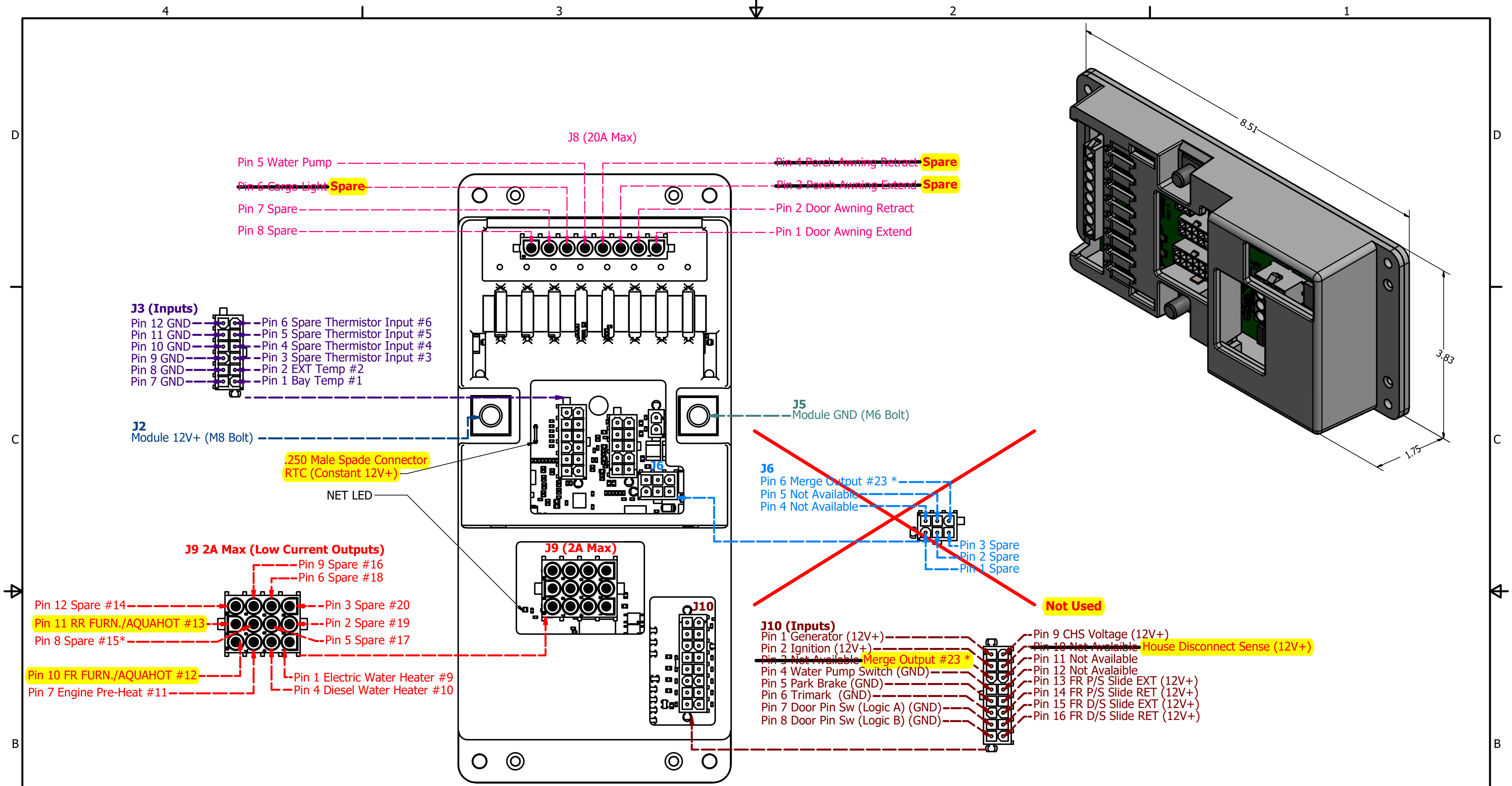
 10-1
 10-2
 10-3 DENSO A/C PWR IGN(YELLOW)
 10-4 MIRRORS
 10-5 CAMERA IGN
 10-6 JACK BUZZER

 12-1 PANEL LAMP/HEADLT LED
 12-2 FRIDGE
 12-3 ENTRY STEP IGN
 12-4 DOCK LIGHT
 12-5
 12-6 POWER WINDOW OPTION

- 16-1 RADIO MEMORY / XM PWR
- 16-2 DENSO A/C POWER
- 16-3 12V+ OUTLET #1
- 16-4 12V+ OUTLET #2
- 16-5 ENGINE PREHEAT SWITCH
- 16-6 PASS USB / TRIMARK HANDLE



NOTE: CONNECTORS ARE SHOWN HERE IN THE LOADED (REAR) VIEW.



NOTES

Switch inputs, voltage sensing and current sensing will function as long as the module is powered on the main power stud (J2) or the Generator or Ignition inputs on J10

*Merge Output #23 on J6 is powered by the house or ignition inputs

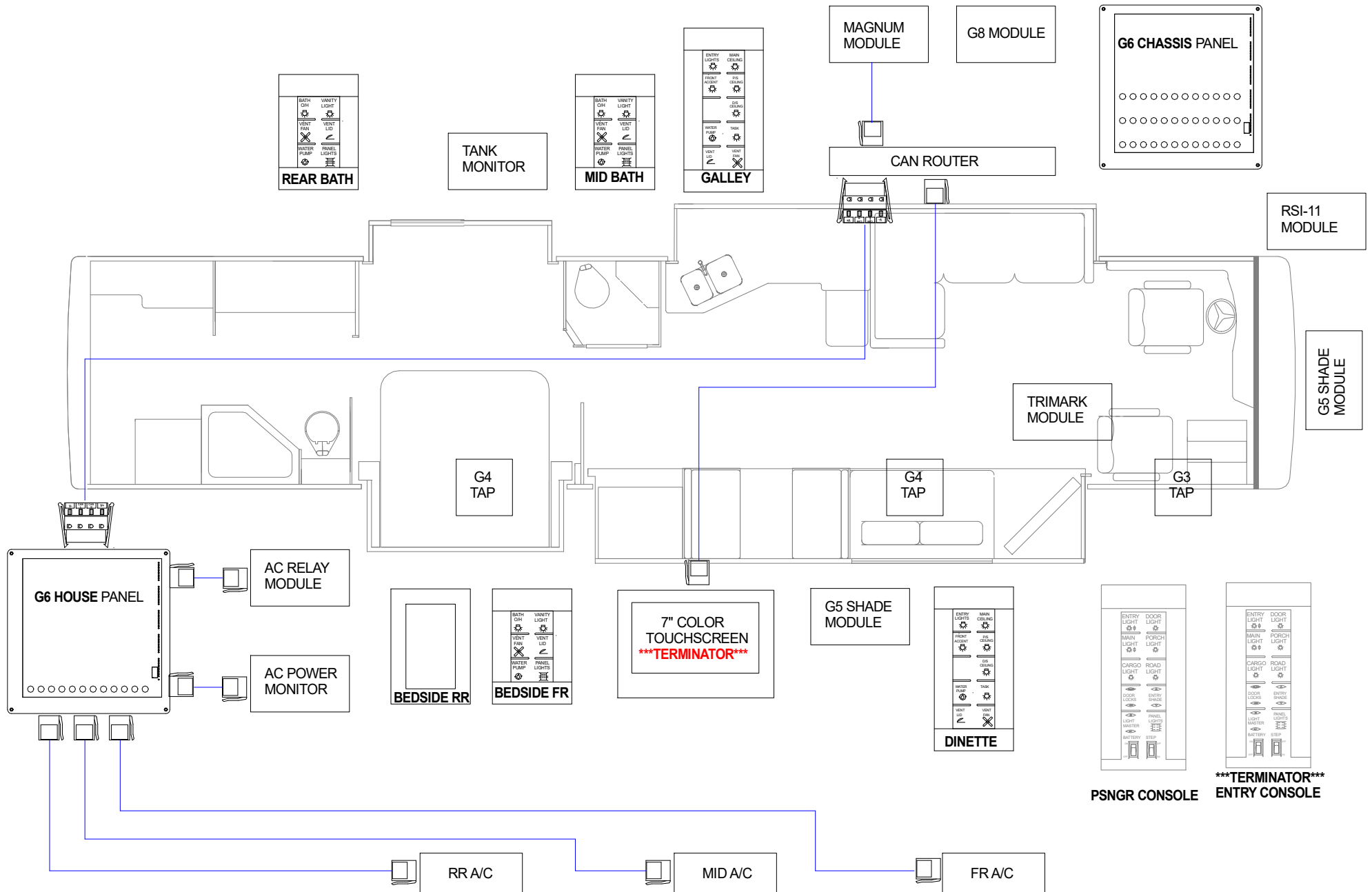
NET LED Status			
LED Activity		Status	
	Solid Green	Device is connected to network and communicating properly	
	Off	Device has no power or has completely failed	
	Solid Red	Device has gone offline and is not connected to network	
	Fast Flashing Green (4 times/sec)	Device is attempting to make initial 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	
PINS			
MFG	PN	DESC	MATE
TE	1-770834-0	30-26 AWG MATE-N-LCOK	J10, J6, J4, J3, J1
TE	350218-3	20-14 AWG MATE-N-LOCK	J9
TE	350218-1	20-14 AWG MATE-N-LOCK	J8
Torque Spec			
		Min	Max Bolt
		60 in-lbf	70 in-lbf J2
		30 in-lbf	33 in-lbf J5

MATING CONNECTORS			
MFG	PN	DESC	MATE
TE	770583-1	16 POS MINI MATE-N-LOCK	J10
TE	1-480708-0	12 POS MATE-N-LOCK	J9
TE	640582-1	8 POS MATE-N-LOCK	J8
TE	172168-1	6 POS MINI MATE-N-LOCK	J6
TE	770580-1	10 POS MINI MATE-N-LOCK	J4
TE	770581-1	12 POS MINI MATE-N-LOCK	J3
TE	172165-1	2 POS MINI MATE-N-LOCK	J1

SPYDER CONROLS CORPORATION			
TITLE G8 Module Pinout			
SIZE C	ALL DIMENSIONS IN INCHES	PART# BMODZTGC9	REV 1v1
SCALE 1:1	2017-03-29	SHEET 1 OF 1	

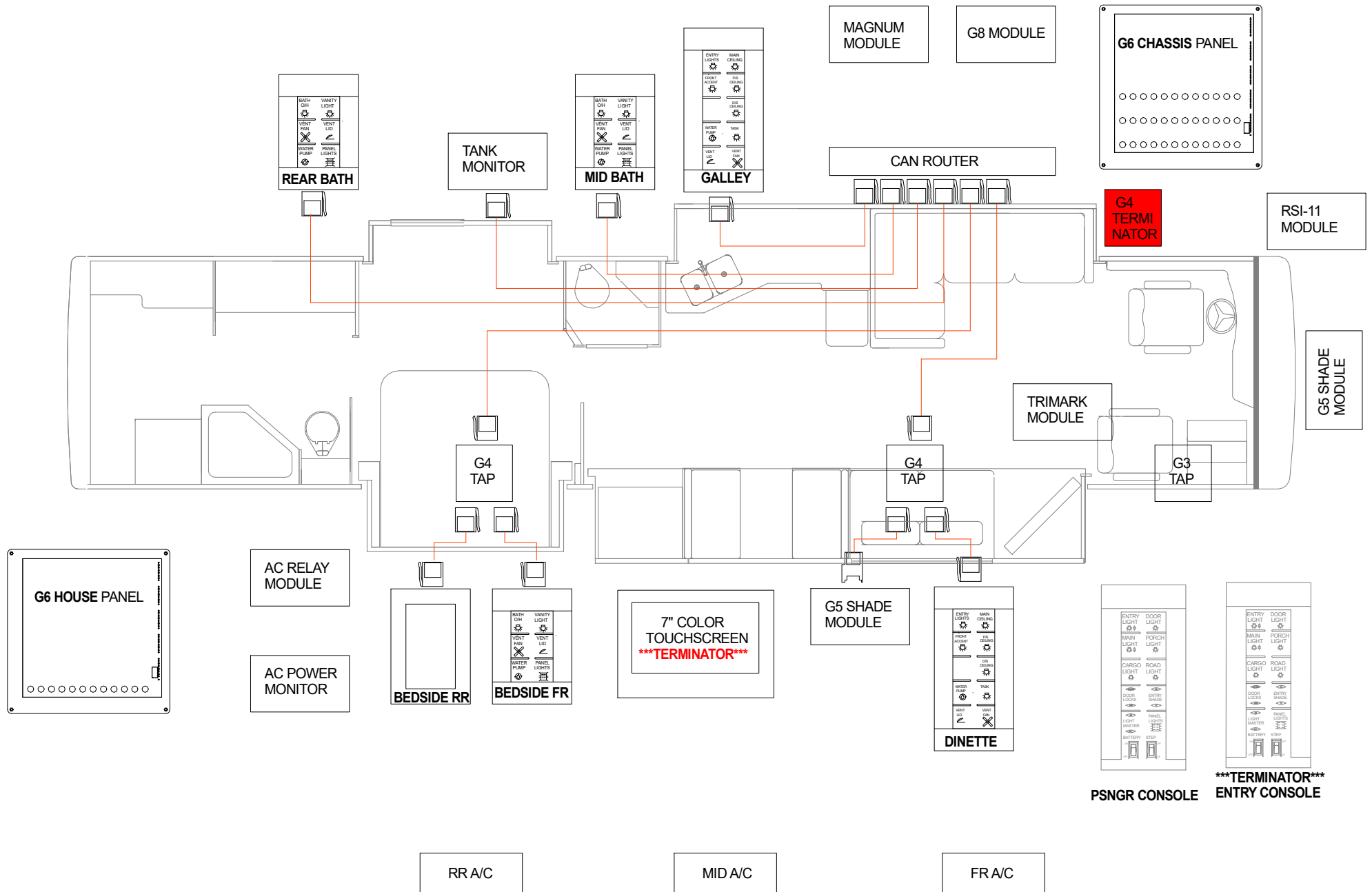
2018 BUS NETWORK WIRING DIAGRAM

BLUE NETWORK - CRITICAL



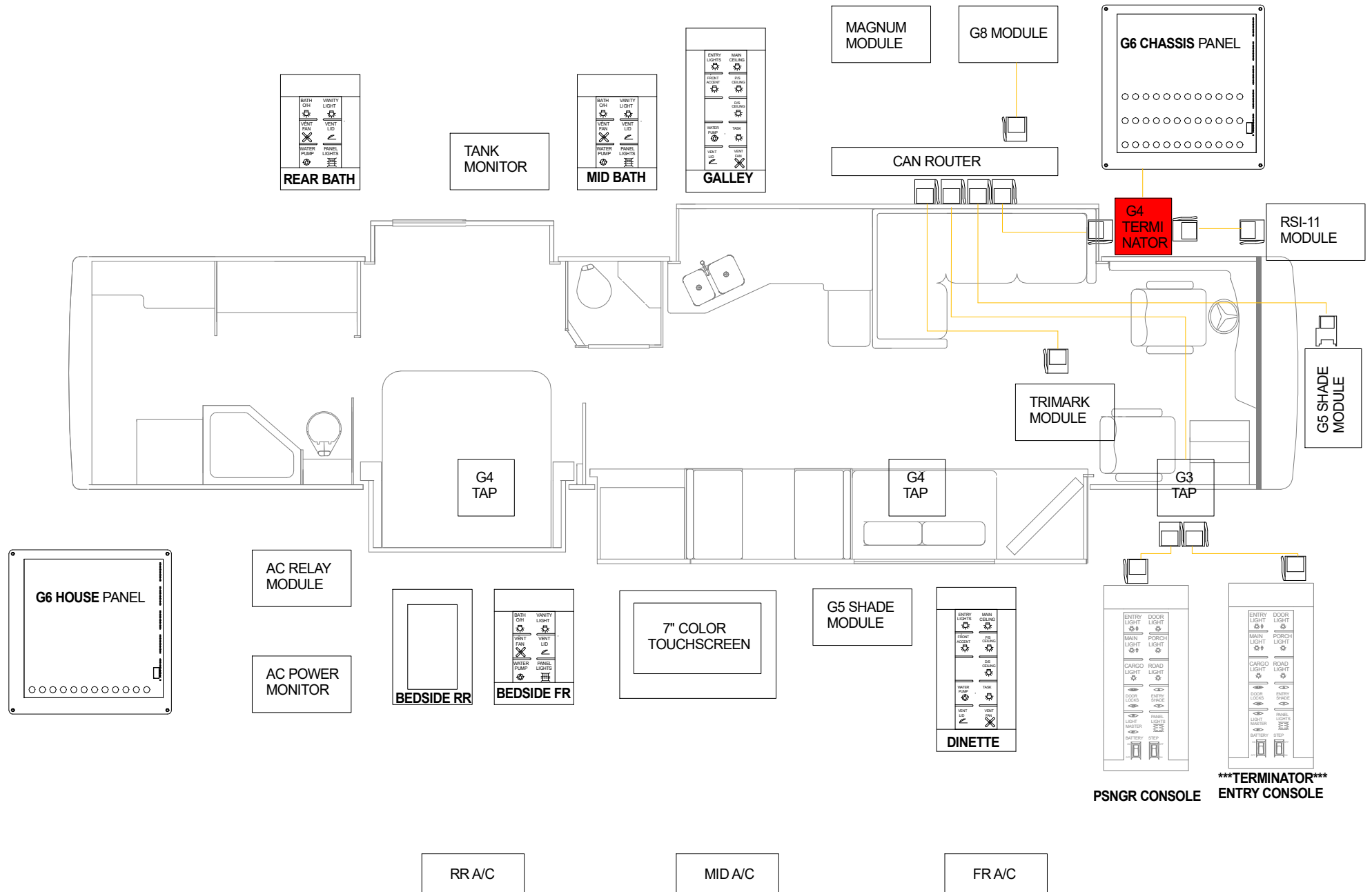
2018 BUS NETWORK WIRING DIAGRAM

ORANGE NETWORK - SWITCHES



2018 BUS NETWORK WIRING DIAGRAM

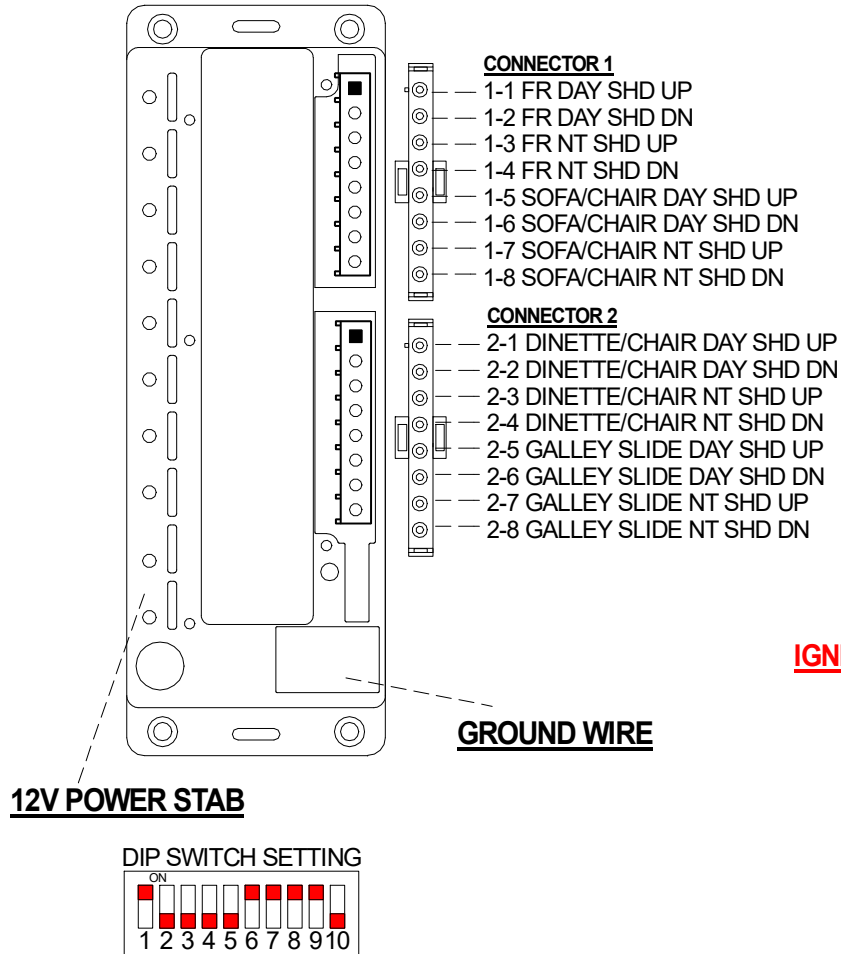
YELLOW - MODULES



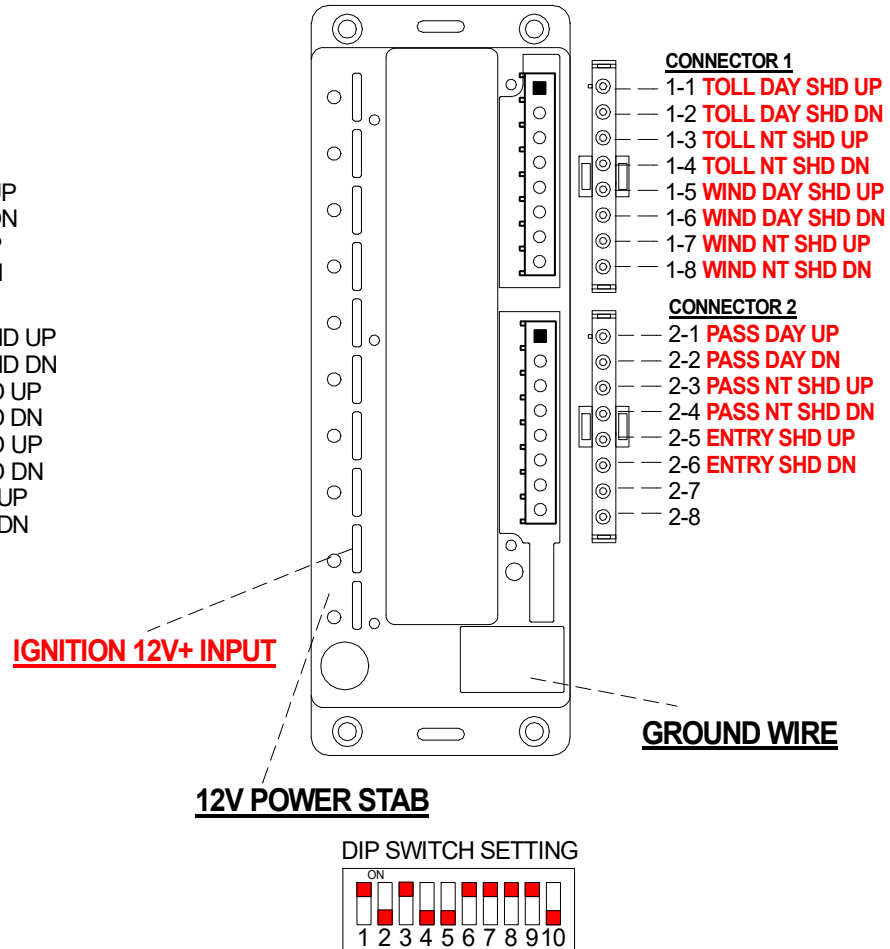
G5 SHADE MODULE LAYOUT 2018 BUS / PHAETON

PINOUT DIAGRAM - 2017/04/07

FRONT SHADE MODULE (BUS ONLY)



DASH SHADE MODULE (BUS AND PHAETON)



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