

## QCHR - Chose Module 6 Pin Wiring Housings

You are looking at the coupling ends of the plugs

The wires themselves protrude out of the back end of the plugs

**Pin 1 = Track 1 Outer Track (Blue Wire) (Outside Loop)**

**Pin 2 = Track 2 Middle Track (Black Wire) (Outside Loop)**

**Pin 3 = Track 3 Inside Track (Red Wire) (Inside Loop)**

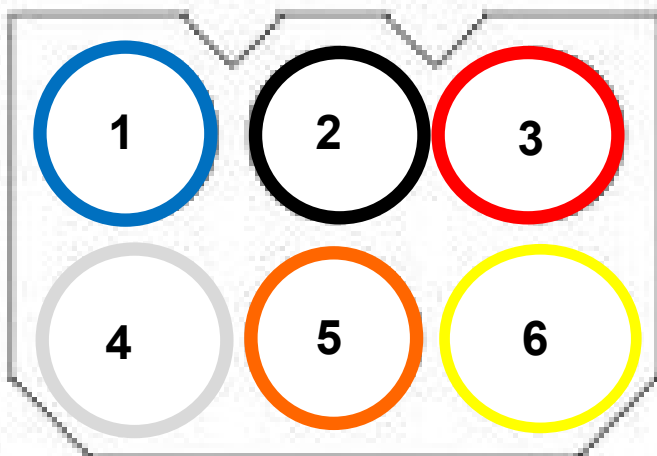
**Pin 4 = Common Ground (White Wire)**

**Pin 5 = 14 Volt Accessory (Orange Wire)**

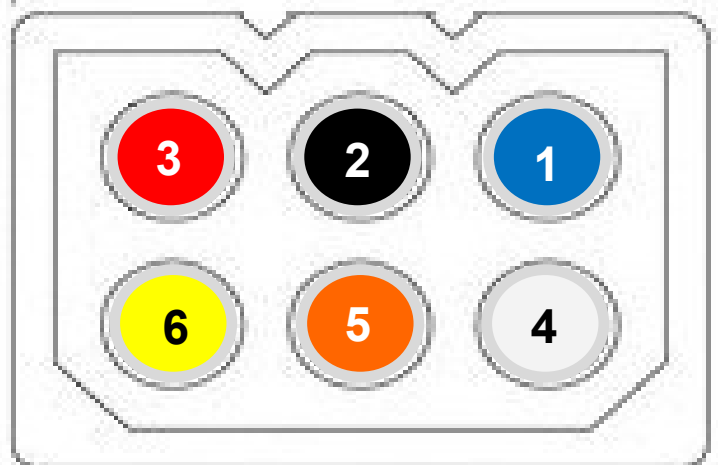
**Pin 6 = Track 4 Inside track (Yellow Wire) (Inside Loop)**

See Following pages for additional track wiring

### Female Housing



### Male Housing



## Chose Inside Loop Module 6 Pin Wiring Housings

**Pin 1 = Track 1** This Pin is not in use on the inside loop  
No Wiring of the Blue wire is needed

**Pin 2 = Track 2** This Pin is not in use on the inside loop  
No Wiring of the Black wire is needed

**Pin 3 = Track 3** Inside Track (Red Wire) (Inside Loop)

**Pin 4 = Common Ground** (White Wire)

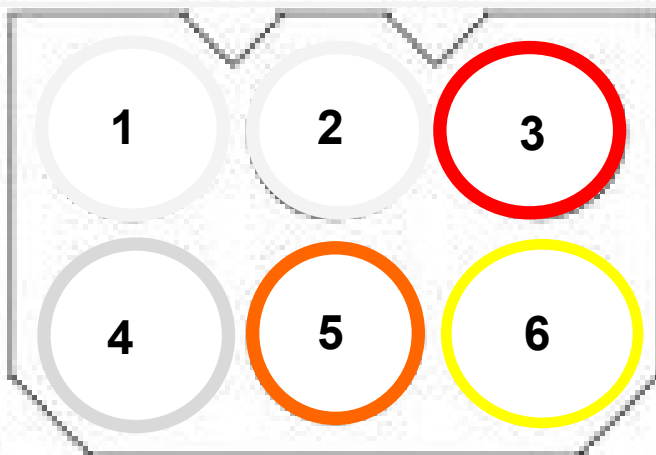
**Pin 5 = 14 Volt Accessory** (Orange Wire)

**Pin 6 = Track 4** Inside track (Yellow Wire) (Inside Loop)  
Used for the Crossover Track and siding

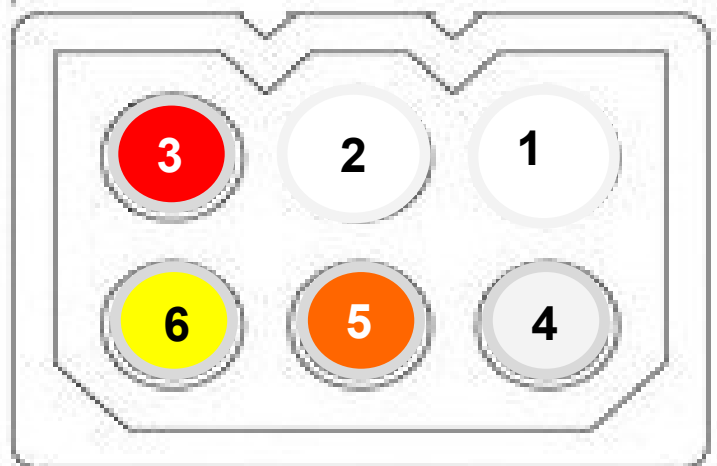
Note that the chose layout the inside loops are stand alone and wired to run off of our standard Track 3 and 4 powers.

We have wired the inside loops to the QCHR's wiring code as used on our traveling and home layouts. Note the inner chose layout modules are not wired with any Black or Blue buss wires as they are not needed on the modules.

**Female Housing**



**Male Housing**



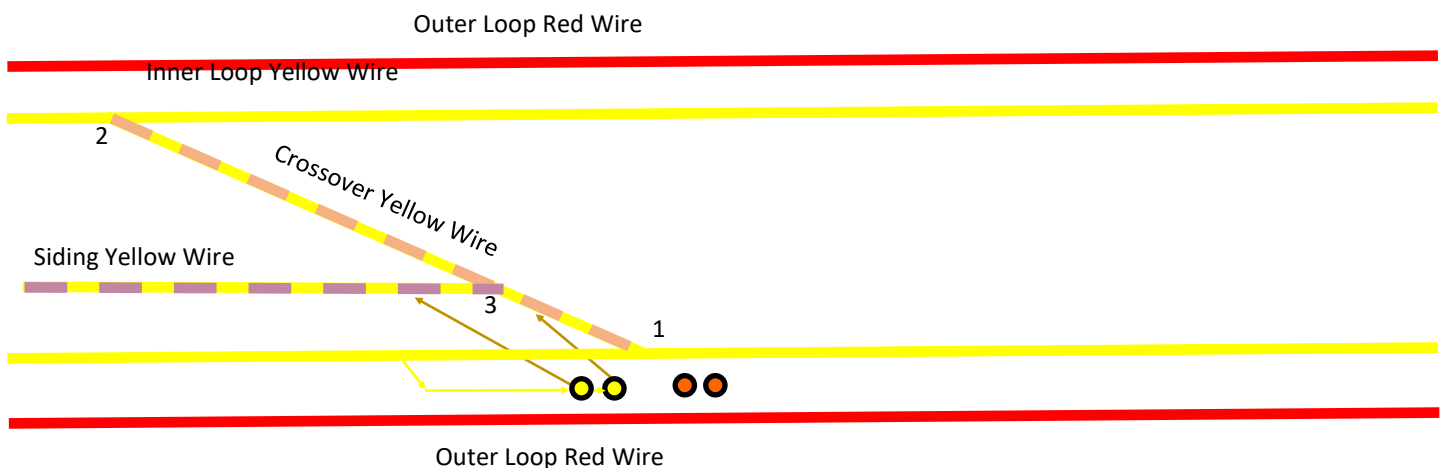
## Special Wiring for the Inner Chose Modules

**Note that the chose layout the inside loops are stand alone.**

**They are wired to run off of our QCHR standard Track 3 and 4 wiring.**

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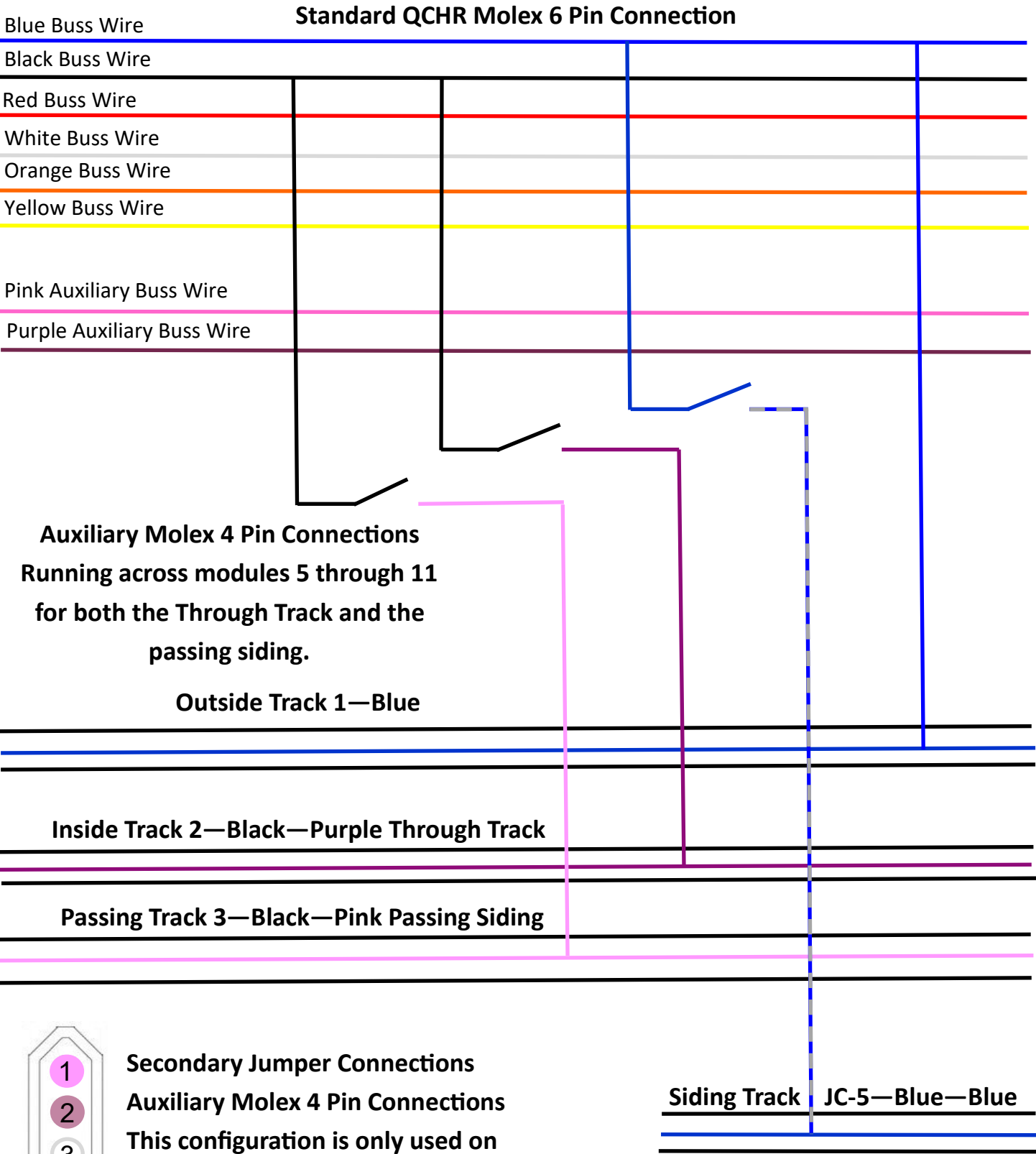


- The Crossover and the Siding are powered from the Yellow wire through a SPST toggle switch for either track.
- The Crossover Turnouts are thrown by use of the right DPDT Momentary Toggle Switch to operate both Turnouts #1 and #2 at the same time. Both will be normally straight for continuous operation or switched to Curved for crossover running either forward or backward to change direction on this inner loop of track.

The Siding Turnout will normally be straight and is thrown by use of one SPDP Momentary Toggle Switch to operate Turnout #3 .

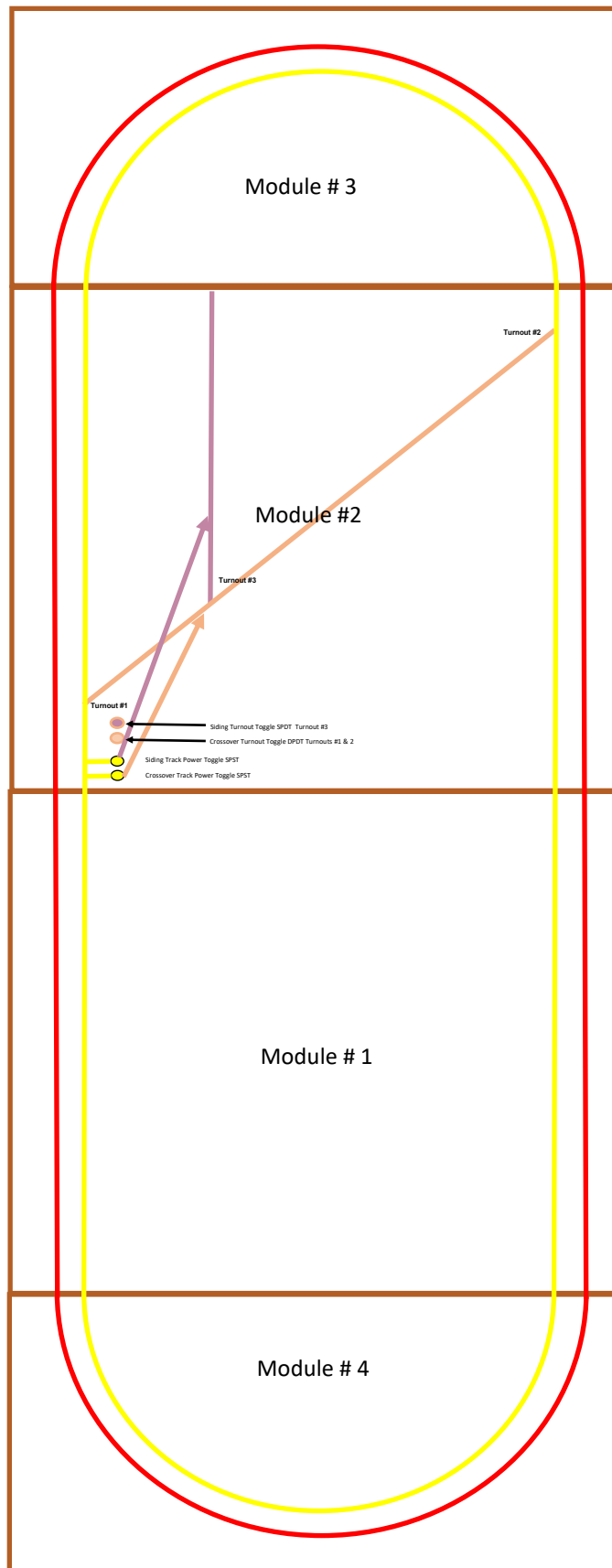
All Turnouts are powered by the Orange Accessory 14 V wire

# Special Wiring for the Outer Chose Modules



**Secondary Jumper Connections**  
**Auxiliary Molex 4 Pin Connections**  
This configuration is only used on  
the Jerry Chose by-pass modules  
Number 5 through 11.

# Special Wiring for the Inner Chose Modules



## Please Note

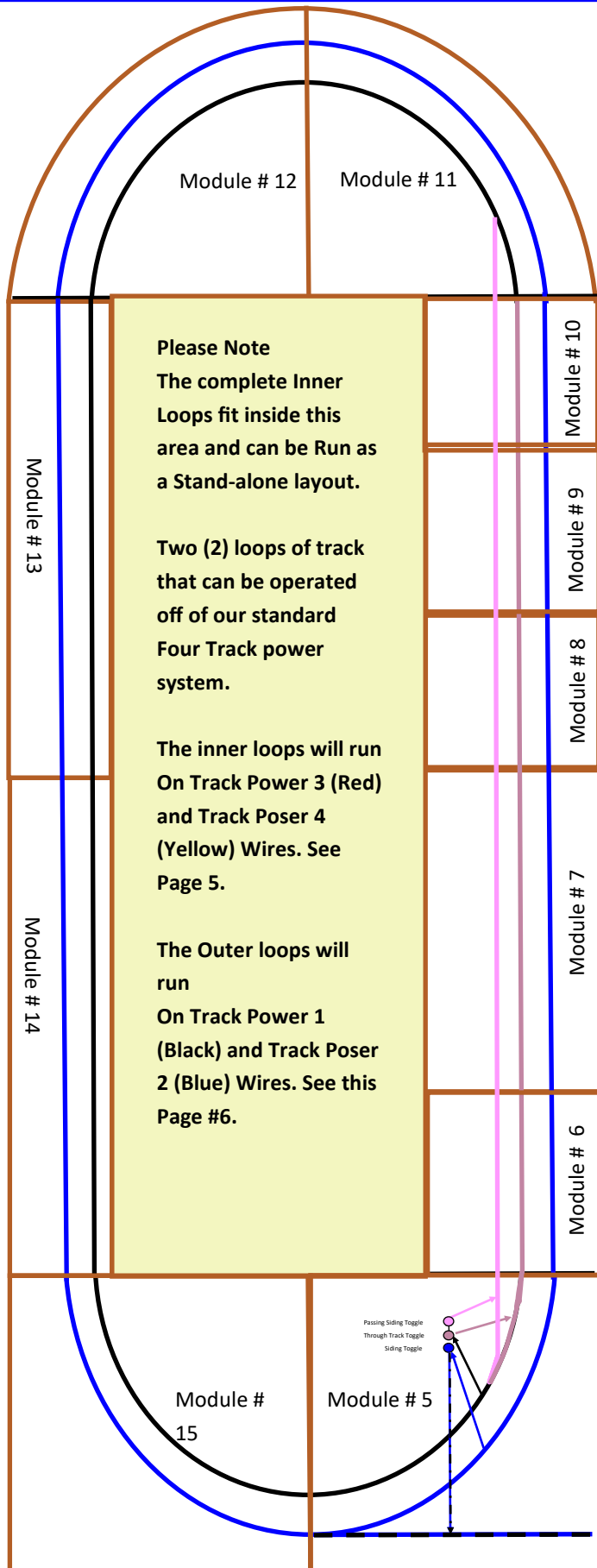
The Inner Loops of the Chose layout will operate as a Stand-alone layout.

The inner loops will run On Track Power 3 and 4 of our QCHR standard Transformer Powering of The 3 track and forth track.

This whole layout on this page will fit inside the Chose outer loops to make a 4 Track Layout.

The Crossover, Siding and the Turnouts are operated from Toggle Switched located on Module 2.

# Special Wiring for the Outer Modules



All Power connections between the modules are wired as to the standard QCHR 6 pin Molex connectors.

All 6 wires are used on the outer set of Modules so that we can plug into any separation and run the complete layout from any location.

Also the Inner layout is wired but the Black and Blue wires are not run. The power Molex plugs and be attached using only the Blue and Black wire and there should never be an attachment to run all four tracks from the inner loop.

Modules #4, 5 and 15 will have jumpers with all 6 wires to operate all four tracks from anywhere on the outside.

The modules 5 through 11 has a 4 pin connectors run between each module to connect the Through Track (Purple) and the Passing Siding (Pink) each powered through a toggle switch powered from the Black wire.

The Siding on Module 5 is powered through a toggle switch from the Blue wire.

**Auxiliary Molex 4 Pin Connections are only used on Module #5 thru Module #11**

Last Update 09-14-2025

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