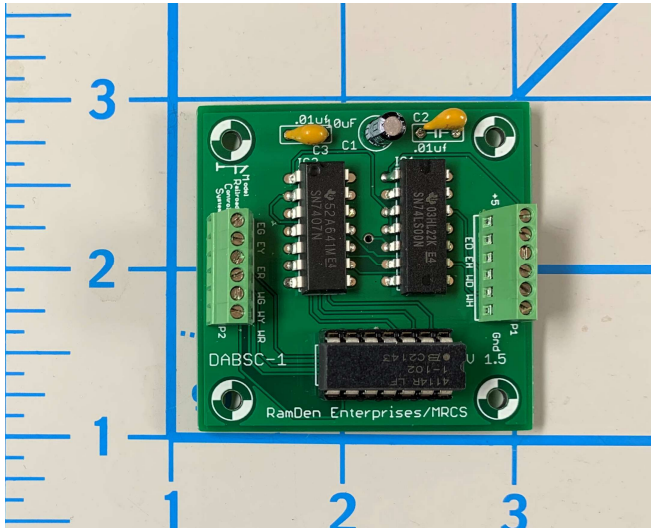
Dual ABS Controller V1.5 Update



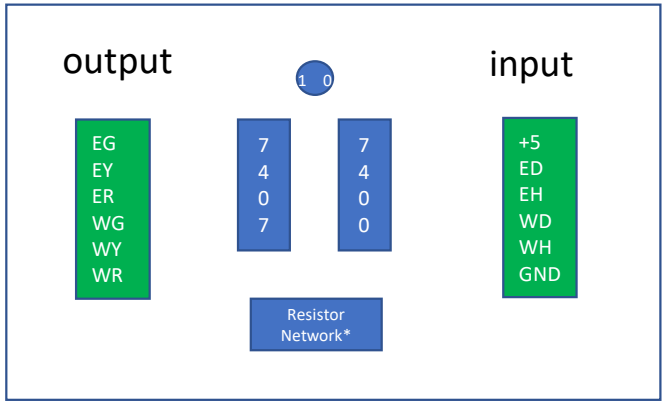
Why did we do this update?

- Changes to current limiting resistors
  - Old design was hard to build for stock and test
    - Resistors values change based on type of signal and users' color vision
    - No easy way to test without soldering resistors in
  - Solution:
    - All resistors on 0.300 grid (same as before) but in 14 pin DIP format
    - Uses either 14 pin "machined pin" DIP scket or 2 x 7 pin female socket headers
    - Allows for use of 7 position DIP resistor networks (if all values the same) or user can insert individual resistors to suit their preferences and change easily.
  - Other
    - Changed 10uF cap to radial (stands up to save space) from axial format
    - Changed .1 uF ceramic caps to 0.200 spacing to use inventory I had on hand

Ooops

- When I panelized the DABSC board, I neglected to check the CAD file for documentation layer, so the output legends were not printed in the silk screen. This will be corrected in the next build.

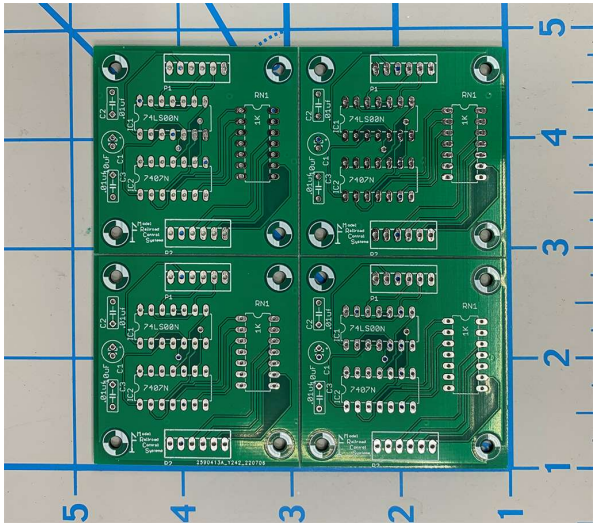
- EG – Eastward Signal Green
- EY – Eastward Signal Yellow
- ER – Eastward Signal Red
- WG - Westward Signal Green
- WY – Westward Signal Yellow
- WR - Westward Signal Red



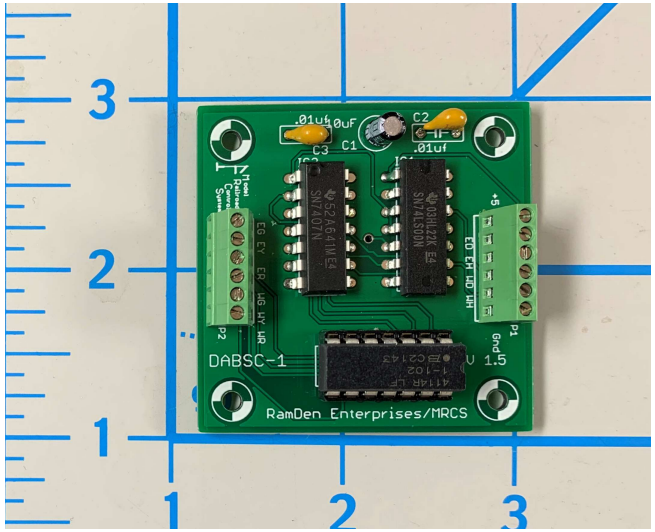
- +5 Volts
- ED – East Sensor Distant
- EH – East Sensor Home
- WD - West Sensor Distant
- WH – West Sensor Home
- GND - Ground

Resistor network is Bournes **4114R-1-102LF** for 1K which is my standard, but these are available in a wide variety of values, or bend 1/4W resistors to 0.300 and insert in socket

Photo



4 x Panel – no labels



Original Singlet – note labels