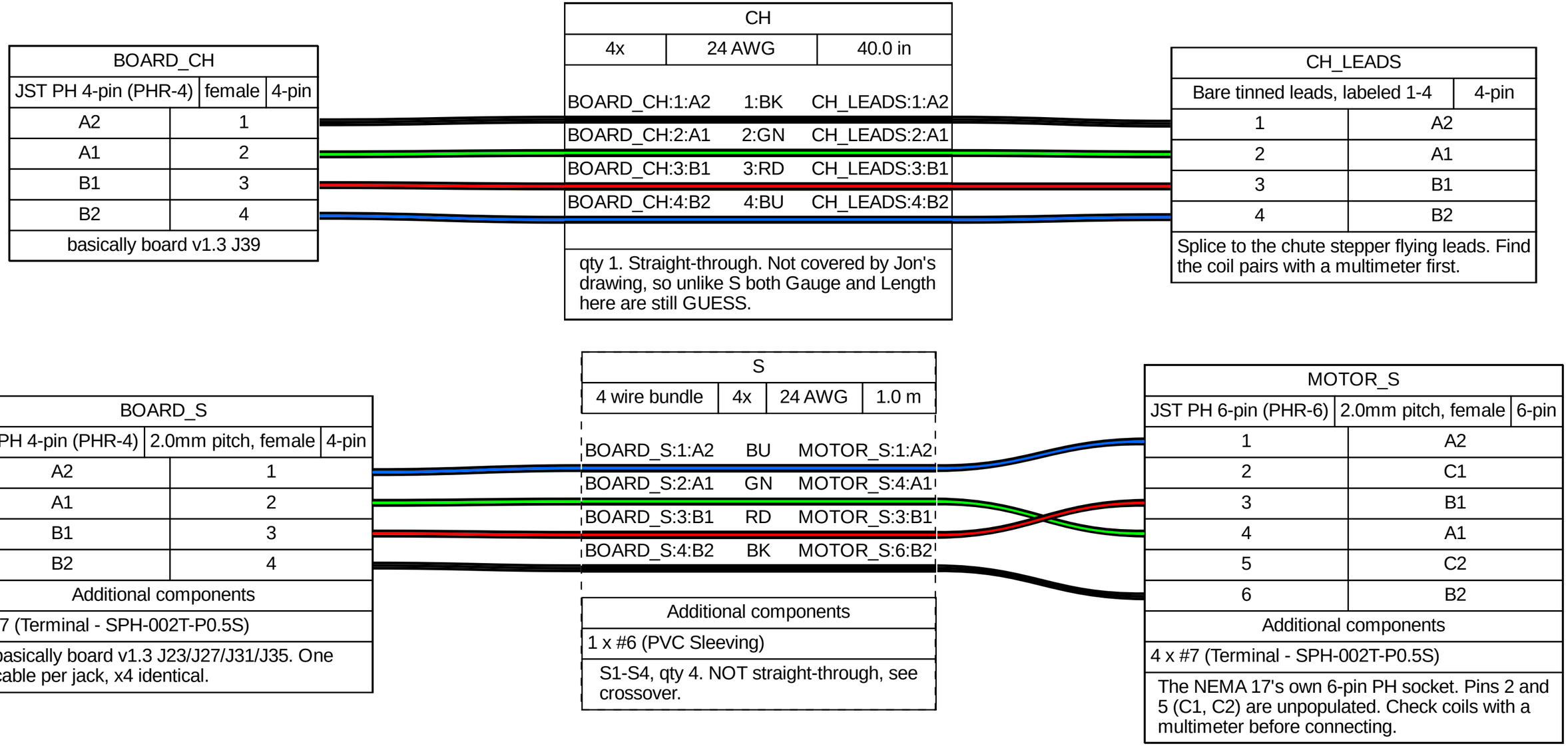
BOARD_CH
JST PH 4-pin (PHR-4) female 4-pin
A2 1
A1 2
B1 3
B2 4
basically board v1.3 J39
CH
4x 24 AWG 40.0 in
BOARD_CH:1:A2 1:BK CH_LEADS:1:A2
BOARD_CH:2:A1 2:GN CH_LEADS:2:A1
BOARD_CH:3:B1 3:RD CH_LEADS:3:B1
BOARD_CH:4:B2 4:BU CH_LEADS:4:B2
qty 1. Straight-through. Not covered by Jon's drawing, so unlike S both Gauge and Length here are still GUESS.
CH_LEADS
Bare tinned leads, labeled 1-4 4-pin
1 A2
2 A1
3 B1
4 B2
Splice to the chute stepper flying leads. Find the coil pairs with a multimeter first.
BOARD_S
JST PH 4-pin (PHR-4) 2.0mm pitch, female 4-pin
A2 1
A1 2
B1 3
B2 4
Additional components
4 x #7 (Terminal - SPH-002T-P0.5S)
basically board v1.3 J23/J27/J31/J35. One cable per jack, x4 identical.
S
4 wire bundle 4x 24 AWG 1.0 m
BOARD_S:1:A2 BU MOTOR_S:1:A2
BOARD_S:2:A1 GN MOTOR_S:4:A1
BOARD_S:3:B1 RD MOTOR_S:3:B1
BOARD_S:4:B2 BK MOTOR_S:6:B2
Additional components
1 x #6 (PVC Sleeving)
S1-S4, qty 4. NOT straight-through, see crossover.
MOTOR_S
JST PH 6-pin (PHR-6) 2.0mm pitch, female 6-pin
1 A2
2 C1
3 B1
4 A1
5 C2
6 B2
Additional components
4 x #7 (Terminal - SPH-002T-P0.5S)
The NEMA 17's own 6-pin PH socket. Pins 2 and 5 (C1, C2) are unpopulated. Check coils with a multimeter before connecting.