

BOARD_CH		
JST PH 4-pin (PHR-4)	female	4-pin
A2	1	
A1	2	
B1	3	
B2	4	
basically board v1.3 J23, or a 4-way Dupont on J24 beside it: the same four nets.		

CH		
4x	24 AWG	300.0 mm
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. Length is the tail only, without the motor's own 300 to 500 mm leads: about 600 mm overall.		

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 J27/J31/J35/J39. 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.		