

BOARD		
JST PH 4-pin (PHR-4)	2.0mm pitch, female	4-pin
A2	1	
A1	2	
B1	3	
B2	4	
Additional components		
4 x #3 (Terminal - SPH-002T-P0.5S)		
basically board v1.3 J23. J24 beside it is the same four nets on 2.54 mm pins, so a 4-way Dupont there is equally correct. Positions 1-2 are one coil, 3-4 the other.		

CH			
4 wire bundle	4x	24 AWG	300.0 mm
BOARD:1:A2	BK	MOTOR:1:coil A	
BOARD:2:A1	GN	MOTOR:2:coil A	
BOARD:3:B1	RD	MOTOR:3:coil B	
BOARD:4:B2	BU	MOTOR:4:coil B	
qty 1. Straight through. Gauge is set by the PH contact, which takes 24 to 28 AWG. Length is the tail only, without the motor's own 300 to 500 mm leads: about 600 mm overall with 300 mm leads.			

MOTOR	
Bare tinned leads, spliced	4-pin
1	coil A
2	coil A
3	coil B
4	coil B
Ordered with this end bare: stripped 5 mm and tinned. Splice it to the NEMA 23's own four leads, 20 AWG, too thick for a PH contact. Find the coil pairs with a meter first: a pair reads well under an ohm.	