

2 June 2009

Wire #	Gage	Color	From	To	Signal	Wire Color Chart	Wire1	Wire2	Gauge
P1-1	#22	Red-Wh	J1-1	P1-1	MOT B+	Pair	Red-Wh	Blue-Wh	22
P1 Drain	#22	---	J1-2	P1-2	Mot Gnd	P1	Yellow-Wh	White	22
P6-1	#26	Red	J1-3	P1-3	+5v	P2	Yellow	Grey	26
P3-1	#26	Blue	J1-4	P1-4	A-	P3	Blue	Green	26
P4-1	#26	Yellow-Wh	J1-5	P1-5	B-	P4	Brown	Orange	26
P2-1	#22	Blue-Wh	J1-6	P1-6	MOT A+	P5	Red	Black	26
P1-2	#22	Orange	J1-7	P1-7	MOT B-	P6	Orange-Wh	Black-Wh	26
P5-2	#26	Grey	J1-8	P1-8	Z+	P7	QR019-2150-01		
P3-2	#26	Brown	J1-9	P1-9	A+				
P5-1	#26	White	J1-10	P1-10	Z-				
P2-2	#22	---	J1-11	P1-11	MOT A-				
P2 Drain	#22	---	J1-12	P1-12	MOT GND				
P4-2	#26	Green	J1-13	P1-13	B+				
P7-2	#26	Black-Wh	J1-14	P1-14	GND				
P7-1	#26	Orange-Wh	J1-15	P1-15	MEM				
P6-2	#26	Black	NC	NC	Not Used				

Connector P1 Shell: Connect to drains of P1, P2, P3, P4, P5, P6, P7

Connector J1 Shell: Connect to Drains of P1 and P2. Also connect these drains to J1 pins 2, 12 and P1 pins 2, 12 as above. Keep drains P1/P2 isolated from drains P3 through P7 at J1.

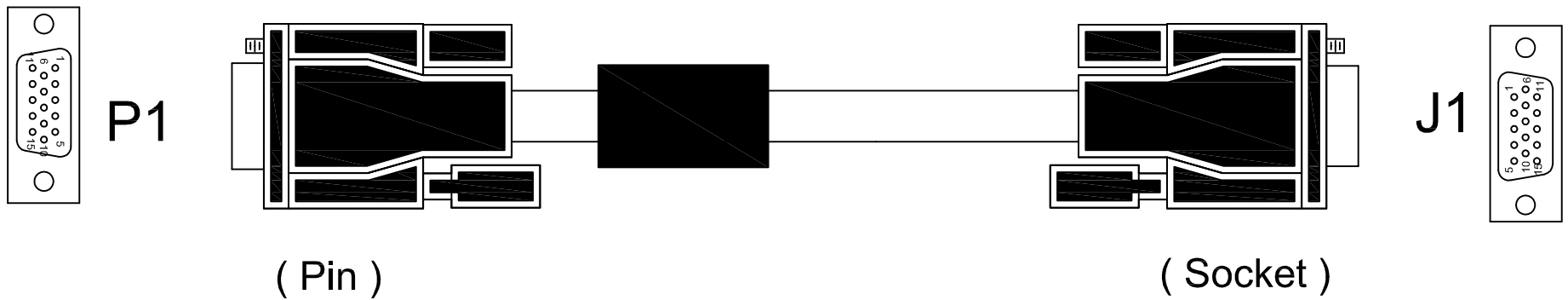
## I-Grade System

> Connects Controller/Driver to Motor/Encoder

- I-Grade SilverNugget N2, SilverNugget N3 & SilverDust D2
- I-Grade 17, 23 & 34 Frame Motor/Encoder

- \* DO NOT use to connect Controller/Driver to Breakout Modules
- \* Carries only encoder power/signals on 34 Frame Motor/Encoder

# Motor Interface Cable



QCI-C-D15P-D15S-nn  
( nn=length in feet )

\* Not Actual Size