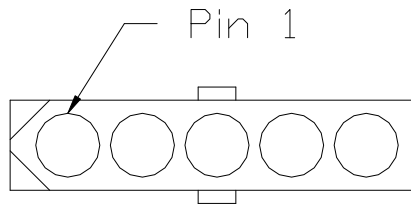


**B Option on Motor Cable**



Motor Cable Connector Face View.

**Motor Cable Connector Pinout**

Pin Number	Signal	Wire Color
1	Winding A+	Red
2	Winding A-	Blue
3	Winding B+	Yellow
4	Winding B-	White
5	Chassis Gnd	Grn/Ylw

**Motor Cable Connector Part Numbers**

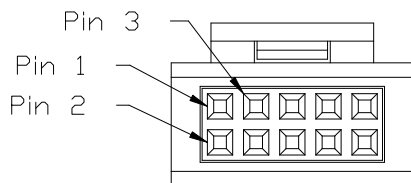
Description	TE Connectivity Part #	Molex Part #	Total Used
Housing	770083-1	03-09-1054	1
Female Pins	770146-1	02-09-1119	5

**Mating Cable Connector Part Numbers**

Description	TE Connectivity Part #	Molex Part #	Total Used
Housing	770084-1	03-09-2057	1
Female Pins	770147-1	02-09-2118	5

**B Option on Encoder Cable**

The B option for the encoder cable interfaces with a US Digital 10 pin, dual row differential encoder connector.



Encoder Cable Connector Face View

Pin	Designation	Color	Alt Color
1	Not used		
2	Encoder Gnd	BLACK	WH-ORANGE
3	Encoder Z-	BROWN	BROWN
4	Encoder Z+	ORANGE	WH-BROWN
5	Encoder A-	YELLOW	GREEN
6	Encoder A+	WHITE	WH-GREEN
7	Encoder +5v	RED	ORANGE
8	Not used		
9	Encoder B-	BLUE	BLUE
10	Encoder B+	GREEN	WH-BLUE

**Encoder Cable Connector Part Numbers**

Description	Molex Part #	Total Used
Housing	15-04-5104	1
Insert	22-55-2103	1
Female Pins	16-02-0104	8

**Mating Encoder Cable Connector Part Numbers**

Description	Molex Part #	Total Used
Housing	50-65-0010	1
Insert	22-55-2103	1
Female Pins	16-02-0117	8

**Note: SilverNugget N2-MX replaces QCI's standard DSUB 15-pin high density motor connector with 10-pin Encoder and 5-pin Motor connectors. Since, the motor memory signal is not brought out, the SilverNugget N2-MX is not capable of reading motor memory on QCI's I-Grade motors.**