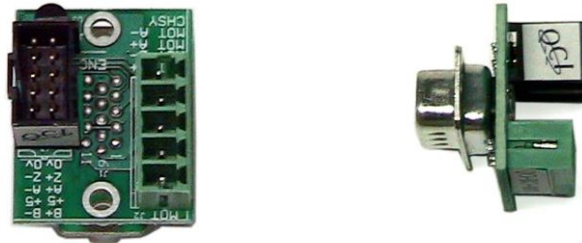


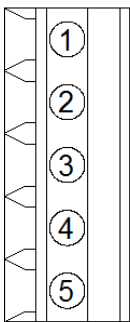
## Motor I/F Breakout - QCI-BO-M1



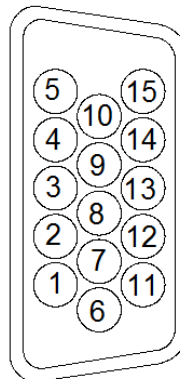
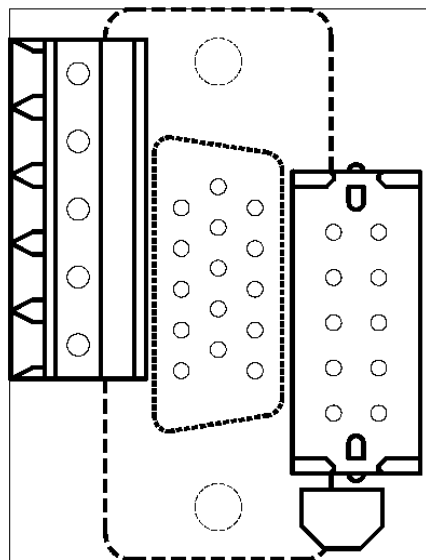
### Product Overview

The motor breakout QCI-BO-M1 attaches to any I-Grade SilverDust controller Motor I/F port. This unit breaks out the drive signals onto a 5-pin terminal and the encoder signals onto a 10-pin terminal for use with M-Grade or 3<sup>rd</sup> party motors (non I-Grade).

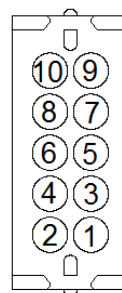
### Pin-Out Descriptions



1	Motor B+
2	Motor B-
3	Motor A+
4	Motor A-
5	Ground



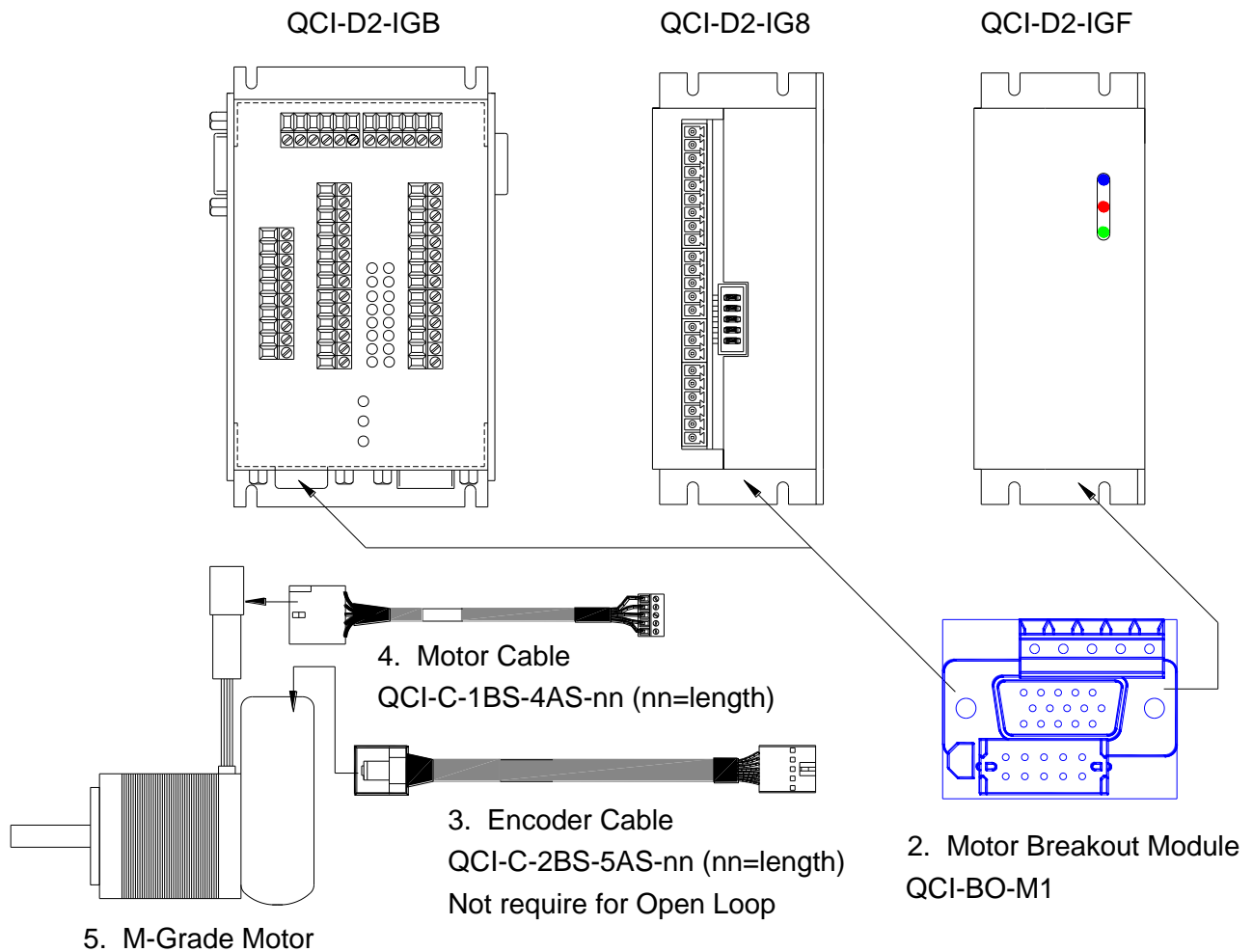
1	Motor B+
2	Chassis Ground
3	+ 5V Encoder Power
4	Encoder A -
5	Encoder B -
6	Motor A +
7	Motor B -
8	Encoder Z +
9	Encoder A +
10	Encoder Z -
11	Motor A -
12	Chassis Ground
13	Encoder B+
14	Encoder Ground
15	Motor Memory Access



1	Logic Ground
2	Logic Ground
3	Encoder Z-
4	Encoder Z+
5	Encoder A-
6	Encoder A+
7	+5V
8	+5V
9	Encoder B-
10	Encoder B+

## How to Use

Single Axis Configuration:



The QCI-BO-M1 interfaces with the Motor I/F port on any I-Grade SilverDust. The picture above shows three SilverDust controllers interfacing with an M-Grade motor. For applications using third party motors, the QCI-BO-M1 is an ideal breakout. QuickSilver provides motor connector kit QCI-CK-1BP to go with our existing cable sets for third party motors.