

## Application Note #2506

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### ICS-48015-M

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#### Part Description

The ICS-48015-M is a DB15HD-M to Screw terminal breakout board designed to be used with 'ENCODER n' DB15 connector on the Galil DMC-4000 series motion controller. The component is show in figure 1 below:

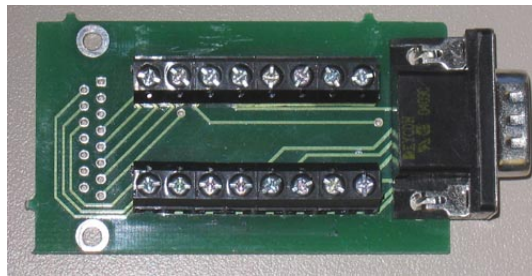


Figure 1: ICS-48015-M

Figure 2 shows installation (typical):

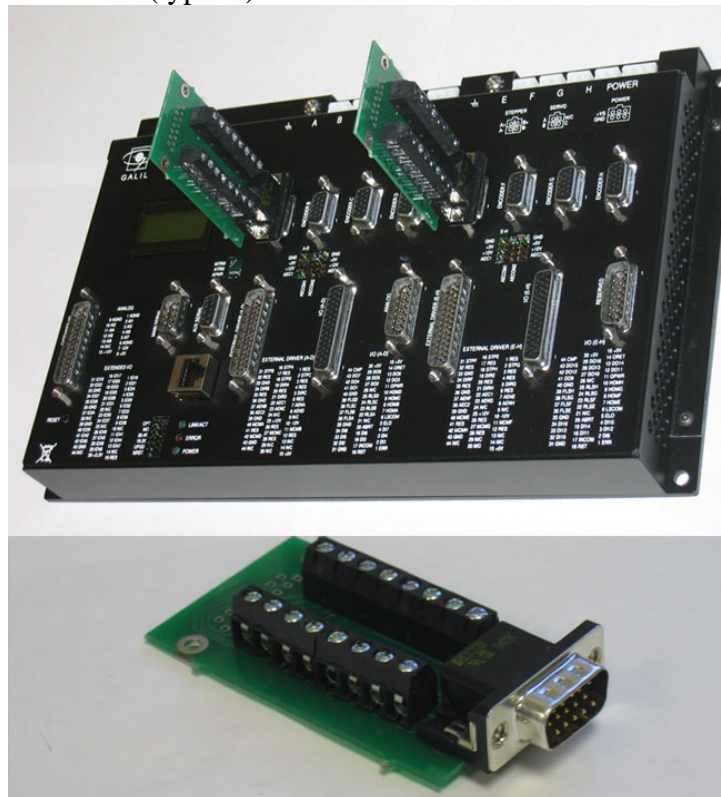


Figure 2: ICS installed on DMC-4000

## Pinout

The pinout is based on the pinout as described on the silkscreen of the DMC-4000 and in the DMC-4000 User Manual:

### ICM-42000 Encoder 15 pin D-Sub Connector

Pin #	Label	Description
1	MI+	Index Pulse
2	MB+	B+ Main Encoder Input
3	MA+	A+ Main Encoder Input
4	AB+	B+ Aux Encoder Input
5	GND	Digital Ground
6	MI-	/Index Pulse
7	MB-	B- Main Encoder Input
8	MA-	A- Main Encoder Input
9	AA-	A- Aux Encoder Input
10	HALA	A Channel Hall Sensor
11	AA+	A+ Aux Encoder Input
12	AB-	B- Aux Encoder Input
13	HALB	B Channel Hall Sensor
14	HALC	C Channel Hall Sensor
15	+5V	+5V from Controller

## Ratings

Voltage and current ratings are defined by the DMC-4000. Only DC voltages from 5V-24V will be present on this component. Review the Appendix in the DMC-4000 User Manual for details on all available I/O.

## RoHS

Galil Motion Control, Inc. certifies that the ICS-48015-M meets the 2002/95/EC (RoHS) requirements.

### Level 1: RoHS Compliance Certification

Galil Motion Control, Inc. states the above products and any of its homogenous materials, do not contain each of the 6 substances above the RoHS thresholds.

Lead	<1000 PPM
Mercury	<1000 PPM
Hexavalent Chromium	<1000 PPM
PBB	<1000 PPM
PBDE	<1000 PPM
Cadmium	< 100 PPM

# Dimensions

