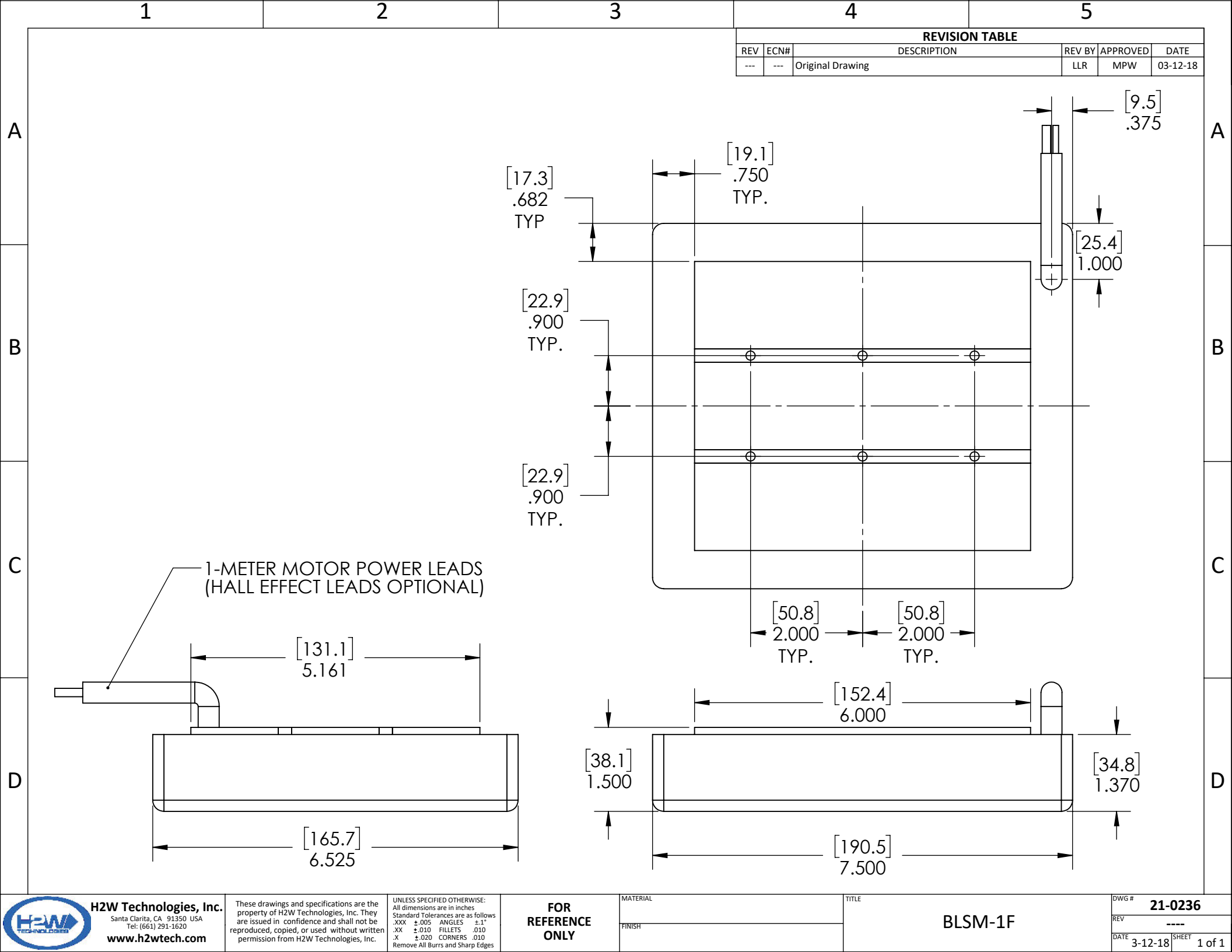




REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	LLR	MPW	03-12-18

1

2

3

4

5

A

A

B

B

C

C

D

D

Motor Specifications**BLSM-1F-NC0****General**

Continuous Force	lbs [N]	100 [444]
Continuous Current	Amps	8
Continuous Power	Watts	80
Peak Force @ 10% Duty	lbs [N]	300 [1332]
Peak Current @ 10% Duty	Amps	24
Peak Power @ 10% Duty	Watts	700

Electrical

Force Constant	lbs/Amp [N/Amp]	12 [52.8]
Back EMF	V/in/sec [V/m/sec]	1.3 [52.8]
Resistance	Ohms	14
Inductance	mH	11
Electrical Time Constant	msec	8
Km Motor Constant	lbs/sqW [N/sqW]	9.3 [41]

Mechanical

Electrical Cycle Length	in [mm]	1.35 [34.3]
Number of Poles	2	
Coil Assembly Length	in [mm]	6.53 [166]
Coil Assembly Weight	lbs [kg]	19 [9]

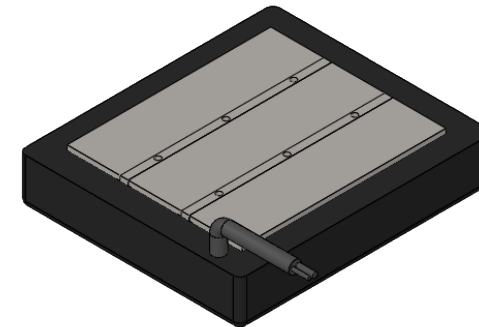
Wiring**Motor**

Phase A	White/Red Stripe
Phase B	White
Phase C	White/Black Stripe
Ground	White/Green Stripe
Thermostat 1	Blue
Thermostat 2	Orange

Thermostat normally closed; opens at 140°C

Hall Effect

Hall A	White
Hall B	Red
Hall C	Black
Hall Ground	Green
Hall Power (+5-24VDC)	Brown, Orange, Violet, Yellow

**H2W Technologies, Inc.**Santa Clarita, CA 91350 USA
Tel: (661) 291-1620www.h2wtech.com

These drawings and specifications are the property of H2W Technologies, Inc. They are issued in confidence and shall not be reproduced, copied, or used without written permission from H2W Technologies, Inc.

UNLESS SPECIFIED OTHERWISE:
All dimensions are in inches
Standard Tolerances are as follows
.XXX ±.005 ANGLES ±.1°
.XX ±.010 FILLETS .010
.X ±.020 CORNERS .010
Remove All Burrs and Sharp Edges**FOR
REFERENCE
ONLY**

MATERIAL

FINISH

TITLE

BLSM-1F

DWG #

21-0236

REV

DATE

3-12-18

SHEET

2 of 2