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REVISION TABLE

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

A

A

B

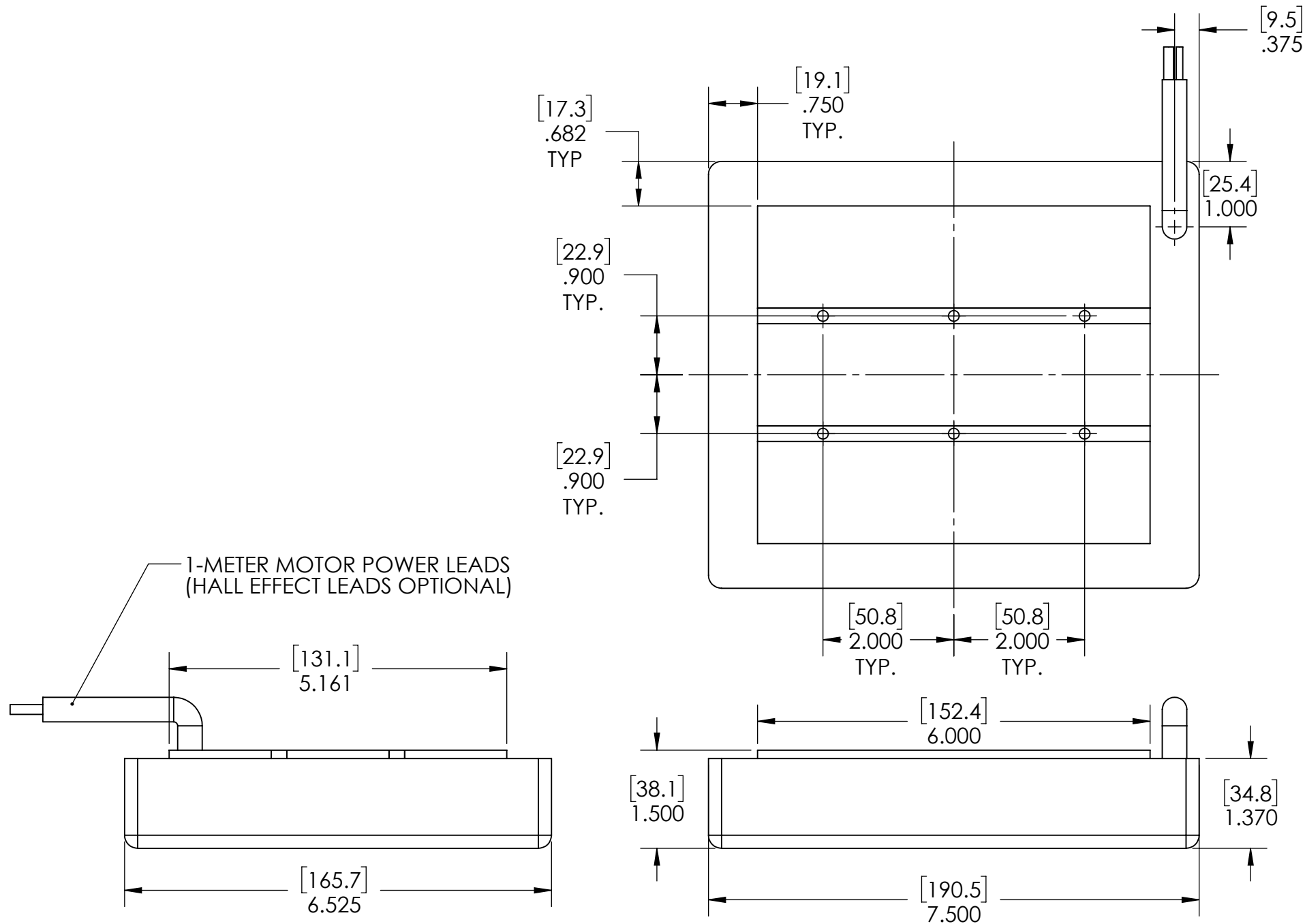
B

C

C

D

D



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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

1 of 1

1

2

3

4

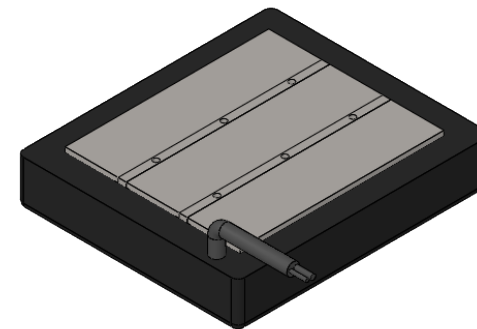
5

A

A

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



B

B

C

C

D

D



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