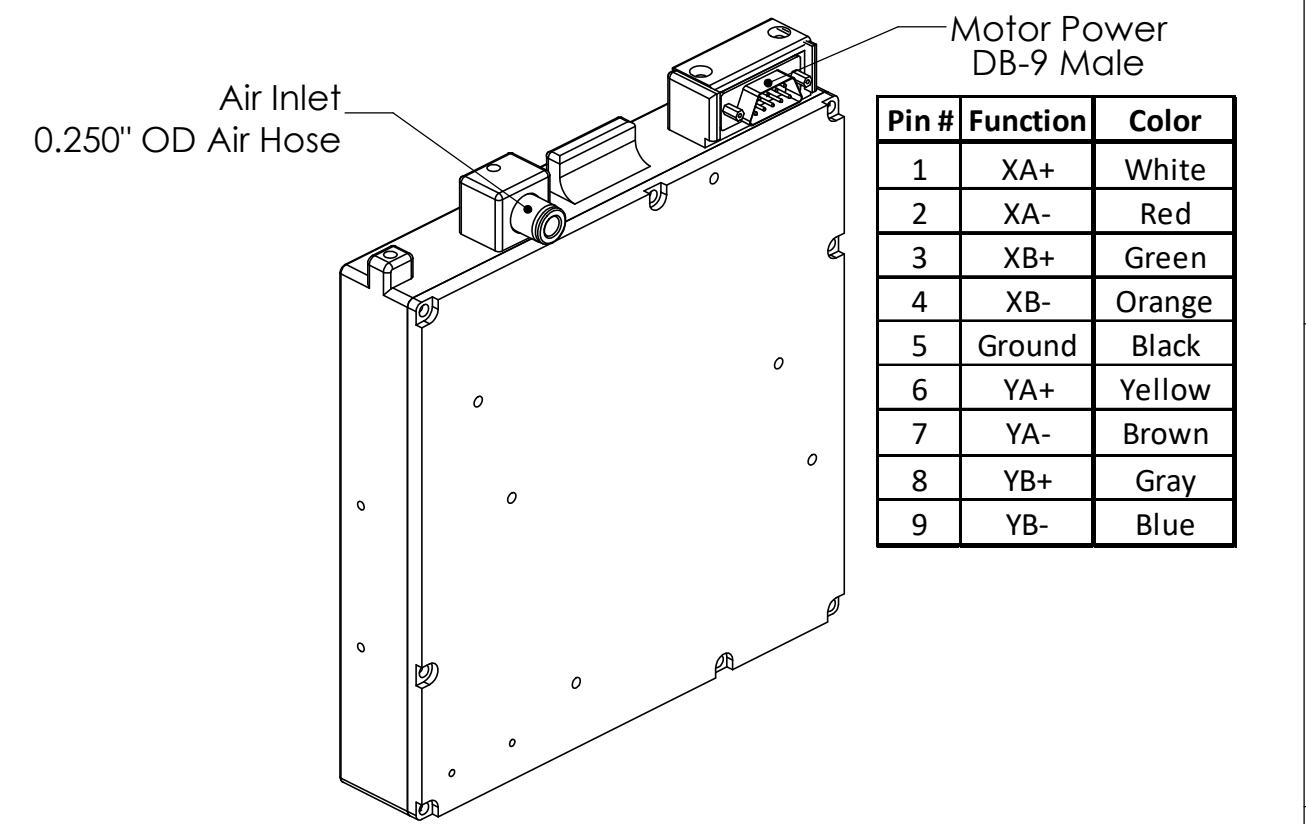
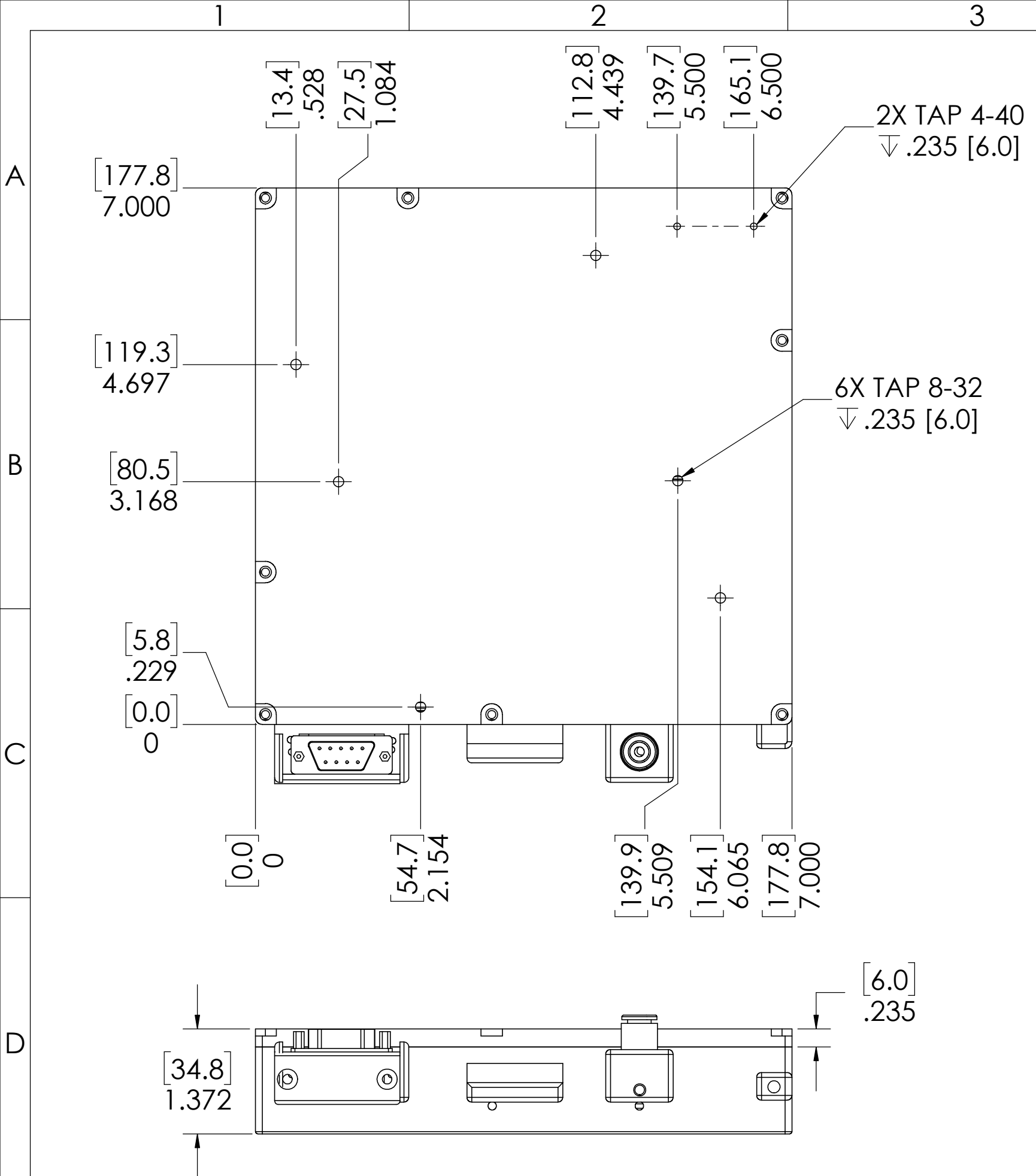
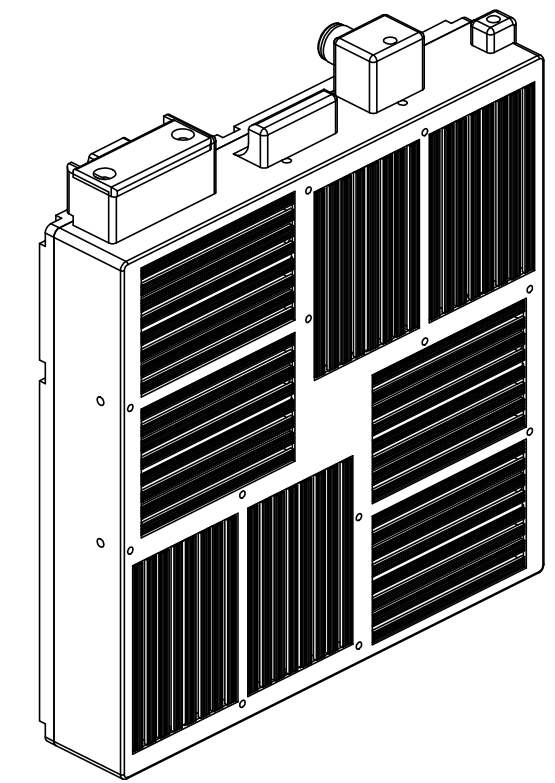


REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
--	--	Original Drawing	OOG	MPW	5-26-22



Pin #	Function	Color
1	XA+	White
2	XA-	Red
3	XB+	Green
4	XB-	Orange
5	Ground	Black
6	YA+	Yellow
7	YA-	Brown
8	YB+	Gray
9	YB-	Blue



1

2

3

4

5

A

A

B

B

C

C

D

D

**Motor Specifications**  
**LMDS2504-2A1BS**  
**Series Connection**

**General**

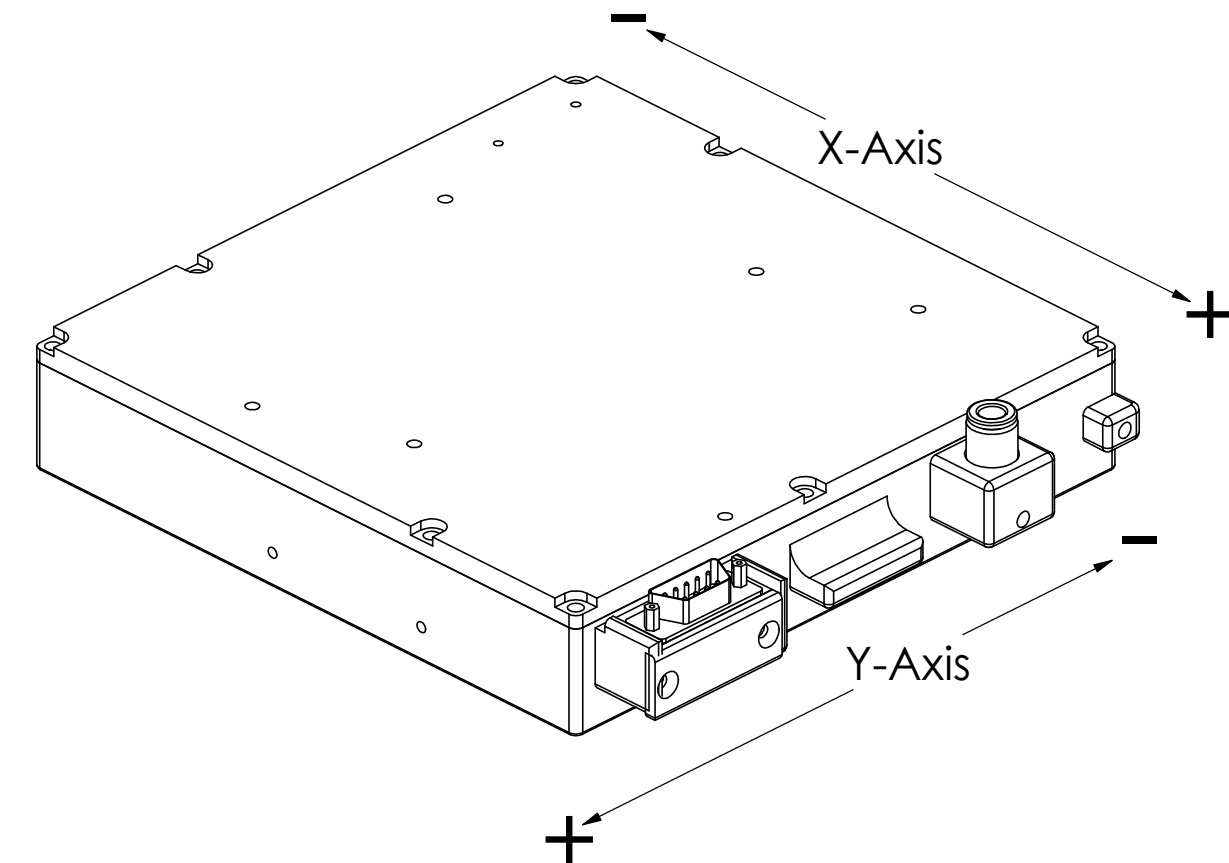
Static Force	lbs [N]	30.0 [133]
Force @ 40 in/sec	lbs [N]	15.0 [66.7]
Amps/Phase	Amps	2
Continuous Power	Watts	60.8

**Electrical**

Resistance	Ohms	14.7
Inductance	mH	16.9
Electrical Time Constant	msec	0.86

**Mechanical**

Bearing Type	Air	
Nominal Air Pressure	60 psi	
Airflow	SCFM [L/min]	1.16 [32.5]
Attractive Force	lbs [N]	405 [1801]
Forcer Mass	lbs [kg]	5.1 [2.3]



**H2W Technologies, Inc.**  
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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

Dual Axis Linear Stepper Motor  
 Model #: LMDS2504-2A1BS

DWG #

13-0048

REV

---

DATE

5-26-22

SHEET

2 of 2