

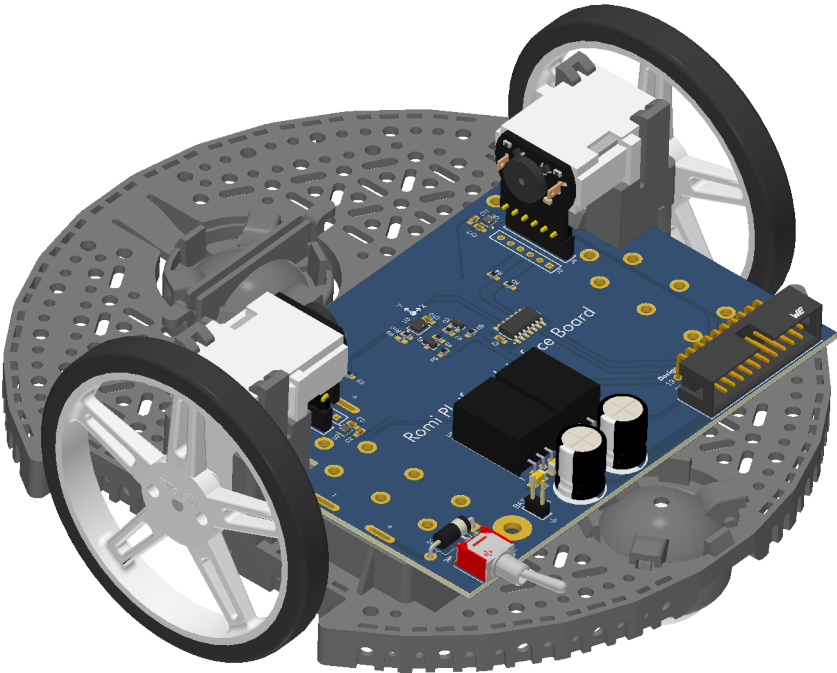
A

B

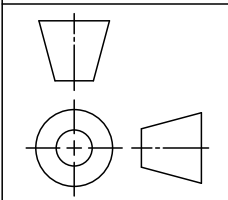
C

D

Realistic View (Not To Scale)



THIRD ANGLE PROJECTION



UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN Inches
TOLERANCES:
FRACTIONAL $\pm 1/64$
ANGULAR: MACH $\pm 0.5^\circ$ BEND $\pm 1.0^\circ$
TWO PLACE DECIMAL ± 0.005
THREE PLACE DECIMAL ± 0.001
FOUR PLACE DECIMAL ± 0.0005

INTERPRET GEOMETRIC
TOLERANCING PER:
ASME Y14.5-2018

MATERIAL
N/A

FINISH
N/A

NAME

DATE

DRAWN

AAK

3/22/2025

CHECKED

ENG APPR.

MFG APPR.

Q.A.

COMMENTS:



Penn Engineering

TITLE

Romi Mainboard.PrjPcb

SIZE

A

DWG. NO.

REV

A.2

SCALE: 1:1

DO NOT SCALE

SHEET 1 OF 2

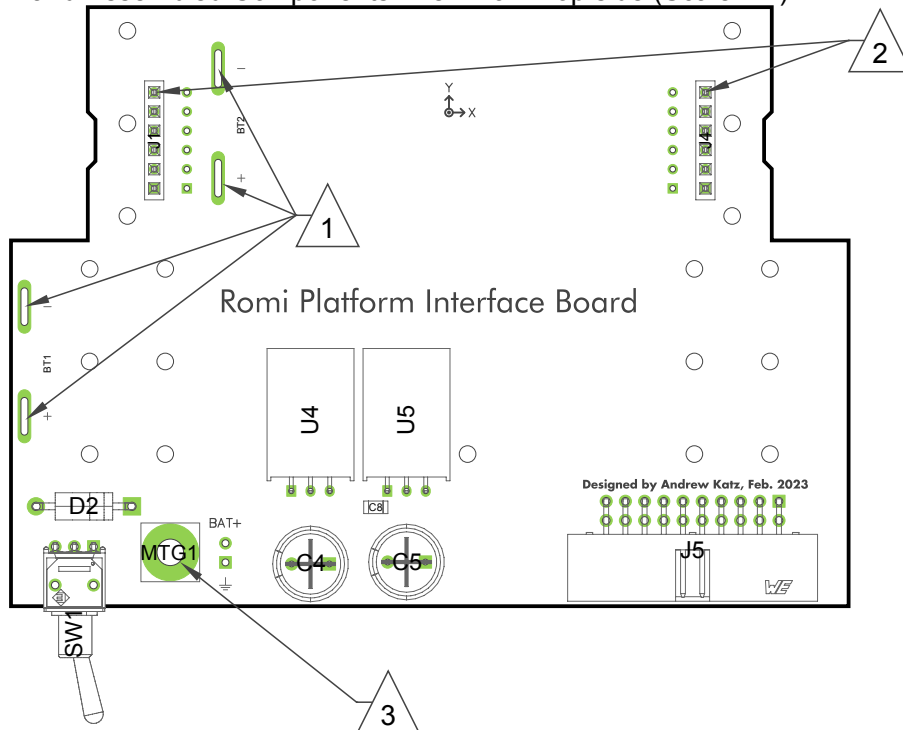
A

B

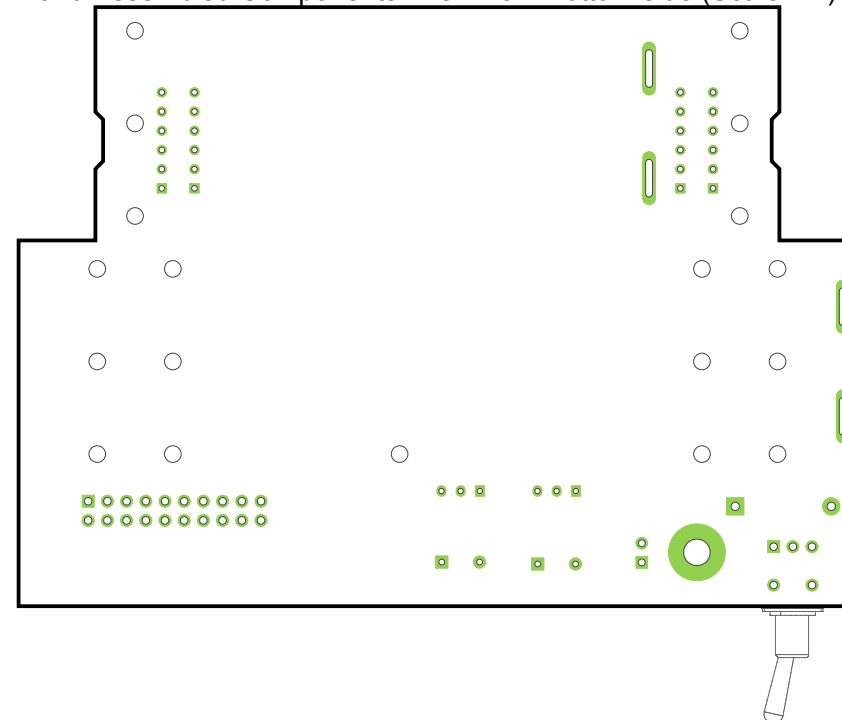
C

D

Hand Assembled Components: View from Top side (Scale 1:1)



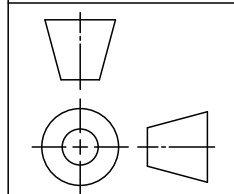
Hand Assembled Components: View from Bottom side (Scale 1:1)



Notes:

- 1 Install battery contacts last. Insert into ROMI Chassis, then install PCB. Use 2-56 nuts and screws to secure, then solder indicated locations.
- 2 Install flush with board, Once chassis is assembled, use this to hold motor PCB pins flush when tacking. Then remove motor assembly to finish soldering.
- 3 Install standoff into chassis before installing board, secure overhang of board to standoff.

THIRD ANGLE PROJECTION



UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN Inches	
TOLERANCES:	
FRACTIONAL $\pm 1/64$	
ANGULAR: MACH $\pm 0.5^\circ$ BEND $\pm 1.0^\circ$	
TWO PLACE DECIMAL ± 0.005	
THREE PLACE DECIMAL ± 0.001	
FOUR PLACE DECIMAL ± 0.0005	
INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5-2018	
MATERIAL	N/A
FINISH	N/A

NAME	DATE
DRAWN	AAK
CHECKED	
ENG APPR.	
MFG APPR.	
Q.A.	
COMMENTS:	



TITLE		
Romi Mainboard.PrjPcb		
SIZE	DWG. NO.	REV
A		A.2
SCALE: 1:1	DO NOT SCALE	SHEET 2 OF 2