

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1	INITIAL RELEASE OF DRAWING	7/16/2014	RJT

ASSEMBLY STEPS:

1. NEMA 17 MOTOR (8) IS FIXED TO LEFT PLASTIC CARRIAGE CAR (7) BY THREE SCREWS (3).
2. PULLEY (1) IS FIXED ONTO MOTOR SHAFT BY TWO SET SCREWS (5).
3. MICROSWITCH PCB (13) IS SCREWED TO RIGHT PLASTIC CARRIAGE CAR (9) BY TWO SCREWS (4).
4. SHEET METAL RAIL (10) IS PLACED INTO BOTH PLASTIC CARRIAGE CARS (7, 9) AND SCREWED IN PLACE BY TWO SCREWS (4) (ONE PER SIDE).
5. GROUND ROD (6) IS INSERTED SIMILARLY INTO BOTH PLASTIC CARRIAGE CARS (7, 9) AND SCREWED IN PLACE BY TWO SCREWS (3) (ONE PER SIDE).
6. BELT (11) IS ATTACHED TO PULLEY (1) ON LEFT SIDE, AND PULLED THROUGH OPENING IN RIGHT PLASTIC CARRIAGE CAR (9).
7. BELT (11) IS THEN LOOSELY FIXED TO SECOND PULLEY(2), WHICH IS THEN PUT IN PLACE.
8. DOWEL PIN (12) IS THEN INSERTED INTO SECOND PULLEY (2), FIXING THE BELT INTO PLACE.

**NOTE: ASSEMBLY STEPS PROVIDED ARE THEORETICAL STEPS LAID OUT BY TOOL. KENVOX SHOULD DEVELOP ITS OWN MOST EFFICIENT METHOD FOR ASSEMBLY USING TOOL'S STEPS AS A GUIDE.**

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1844_052	20 Tooth Pulley	1
2	1844_053	20 Tooth Pulley - Fly	1
3	m4x10_socket_cap_screw		5
4	m3x10_plastite		4
5	m3x6_set_screw_cup		2
6	1844_046_rev_03	8mm Precision Ground Rod	1
7	1844_014_rev_05	Internal - Carriage Y-Left	1
8	1844_054	Stepper Motor - X	1
9	1844_015_rev_06	Internal - Carriage Y-Right	1
10	1844_037_rev_04	Y-Rail	1
11	1844_049_rev_02	Carriage Belt	1
12	1844_058	Dowel Pin M5	1
13	Solidoodle_Micro_Switch_Assy		1

**Solidoodle**

631 Hicks St., Brooklyn, NY 11231

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ENGINEERED

DRAWN

CHECKED

APPROVED

DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED. DO NOT SCALE.

UNSPECIFIED TOLERANCES  
X ±.5  
.XX ±.1  
X\* ±.05  
X\* ±.5\*

THIRD ANGLE PROJECTION

PREPARED FOR

PROJECT 1844

JOB NUMBER

PART NAME

Solidoodle\_Carriage\_Assy

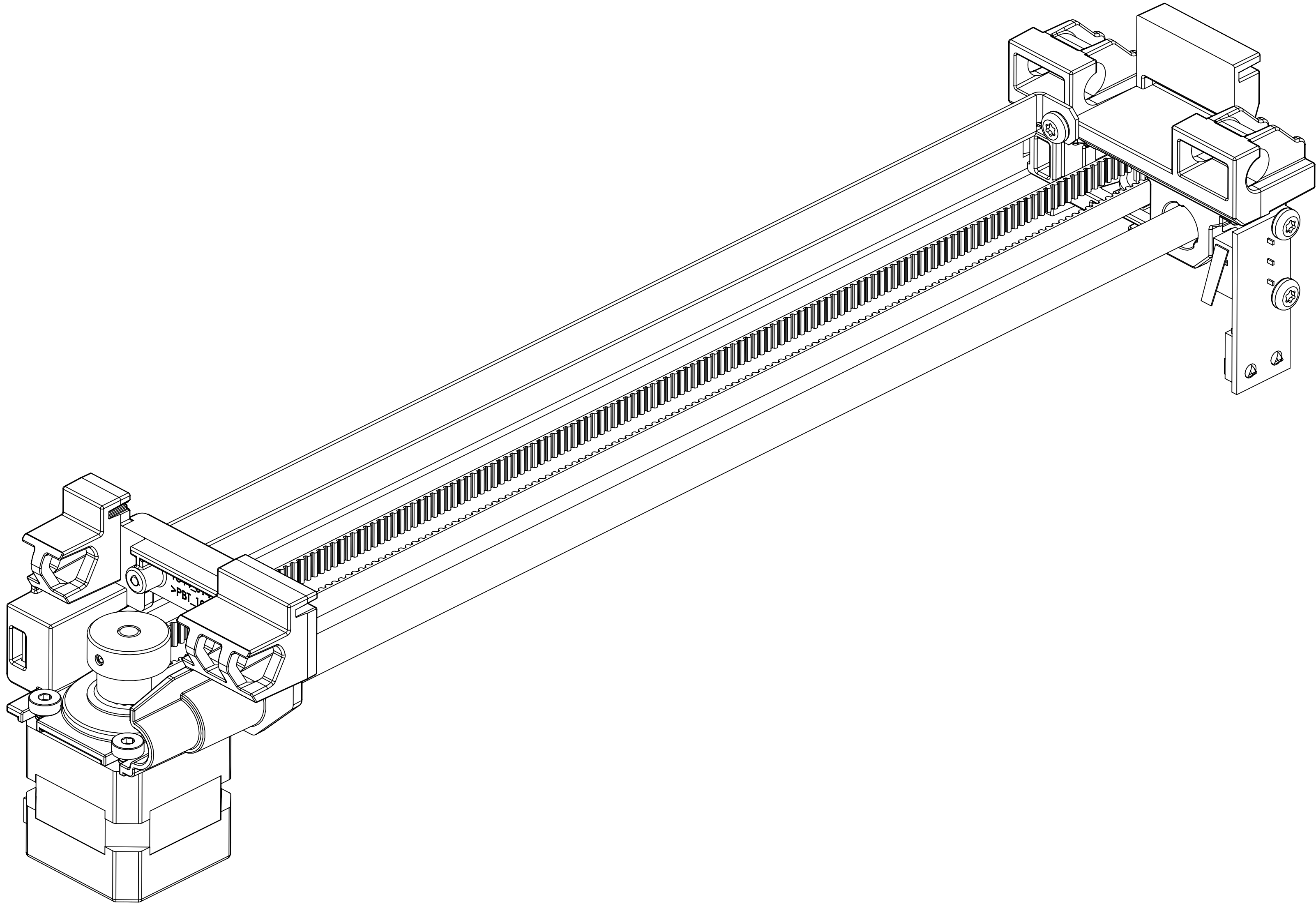
SIZE C

PART NUMBER Solidoodle\_Carriage\_Assy

REVISION 1

SCALE 2:3

SHEET 1 OF 2



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ENGINEERED	
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DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED. DO NOT SCALE.	
UNSPECIFIED	X ±.5
TOLERANCES	.X ±.1
	.XX ±.05
	X" ±.5"
THIRD ANGLE PROJECTION	

PREPARED FOR		
PROJECT		1844
JOB NUMBER		
PART NAME		Solidoodle_Carriage_Assy
SIZE	PART NUMBER	REVISION
C	Solidoodle_Carriage_Assy	1
SCALE 1:5		SHEET 2 OF 2
		8