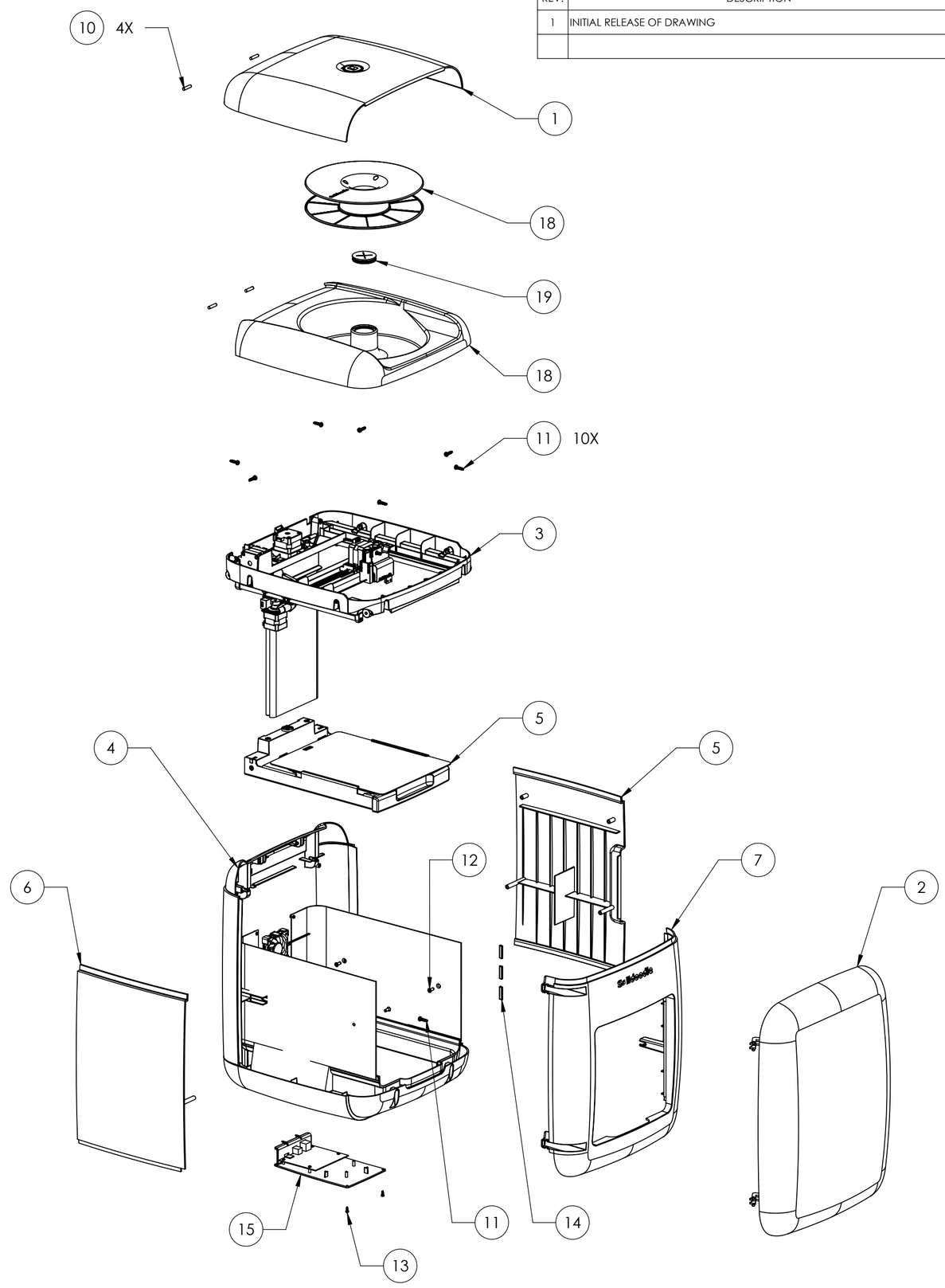
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1	INITIAL RELEASE OF DRAWING	7/16/2014	RJT

ASSEMBLY STEPS:

1. BUILD PLATFORM ASSEMBLY (5) IS ATTACHED TO PLASTIC GANTRY ASSEMBLY (3) BY THREADING THE LEAD SCREW ONTO THE LEAD NUT.
2. PLASTIC GANTRY ASSEMBLY (3) IS THEN LOWERED INTO BACK BOTTOM ASSEMBLY (4), WITH THE TWO GROUND RODS INSERTING INTO THE HOLES IN THE BACK BOTTOM ASSEMBLY (4).
3. PLASTIC GANTRY ASSEMBLY IS SECURED USING TWO SCREWS (11) IN THE BACK CORNERS.
4. MAGNETS (14) ARE PLACED INSIDE INNER FRONT PLASTIC PIECE (7) AND ARE EITHER GLUED OR PRESSED INTO PLACE.
5. THE INNER FRONT PLASTIC PIECE IS THEN SECURED TO THE BACK BOTTOM ASSEMBLY WITH TWO SCREWS (11) FROM THE LOWER INSIDE, AS WELL AS TWO SCREWS (11) FROM THE TOP INSIDE THROUGH THE PLASTIC GANTRY.
6. FRONT DOOR ASSEMBLY IS INSERTED INTO THE INNER FRONT PLASTIC PIECE AND HELD IN PLACE BY HAND.
7. LEFT OUTER SHELL (6) IS THEN INSERTED INTO THE BACK BOTTOM ASSEMBLY, CLAMPING THE FRONT DOOR ASSEMBLY IN PLACE.
8. THE LEFT OUTER SHELL IS THEN FIXED IN PLACE WITH TWO SCREWS (12) FROM THE INSIDE THROUGH THE INNER WALLS, AS WELL AS TWO SCREWS (11) FROM THE INSIDE THROUGH THE PLASTIC GANTRY.
9. THE RIGHT OUTER SHELL IS THEN ASSEMBLED TO THE BACK BOTTOM ASSEMBLY IN A SIMILAR MANNER, USING FOUR SCREWS, TWO (12) THROUGH THE INNER WALLS AND TWO (11) THROUGH THE PLASTIC GANTRY.
10. LID ASSEMBLY (1) IS PLACED INTO BACK BOTTOM ASSEMBLY AND SECURED IN PLACE BY TWO DOWEL PINS (10), WHICH ARE PLACED INTO SLOTS WITHIN THE BACK SHELL. THE LID IS HELD OPEN TO ALLOW ASSEMBLY OF REMAINING COMPONENTS.
11. TRAY RUBBER CAP (17) IS PRESSED INTO THE SPOOL TRAY (16).
12. SPOOL TRAY (16) IS THEN PLACED INTO THE BACK BOTTOM ASSEMBLY AND HELD IN PLACE BY TWO DOWEL PINS (10), WHICH ARE ASSEMBLED INTO SLOTS IN THE BACK SHELL PIECE.
13. SPOOL ASSEMBLY (18) IS THEN PLACED INTO OPENING IN SPOOL TRAY (16).
14. ONCE ALL WIRING HAS BEEN ORGANIZED INTO ONE BUNDLE TRAVELING DOWN THE LEFT SIDE OF THE PRINTER AND OUT THE BOTTOM, THE WIRES ARE PLUGGED INTO THEIR VARIOUS LOCATIONS ON THE MAIN PCB BOARD, LOCATED ON THE PCB DOOR ASSEMBLY (15).
15. ONCE ALL WIRING IS CONNECTED, THE PCB DOOR ASSEMBLY (15) IS INSERTED INTO THE BACK BOTTOM ASSEMBLY FROM BELOW, AND SECURED WITH TWO SCREWS (13).

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	Solidoodle_Lid_Assy		1
2	Front_Door_Assy		1
3	Plastic_Gantry_Assy		1
4	Back_Bottom_Assy		1
5	1844_007_rev_04	Shell - Outer Right	1
6	1844_006_rev_05	Shell - Outer Left	1
7	1844_003_rev_05	Shell - Inner Front	1
8	Solidoodle_Build_Platform_Assy		1
9	build_volume		1
10	dowel pin m5x20	Dowel Pin M5	4
11	m4.5x16_plastite		10
12	m4.5x12_flathead_plastite		4
13	m3x8_plastite		2
14	1844_057	Door Magnet	3
15	PCB_Door_Assy		1
16	m2.5x6_plastite		4
17	main_pcb		1
18	1844_004_rev_04	Shell - Spool Tray	1
19	1844_069_rev_02	Tray Rubber Cap	1
20	Solidoodle_Spool_Assy		1
21	m3.5x10_plastite		3

Solidoodle

631 Hicks St., Brooklyn, NY 11231

ENGINEERED		PREPARED FOR
DRAWN		PROJECT 1844
CHECKED		JOB NUMBER
APPROVED		PART NAME Solidoodle_Main_Assy

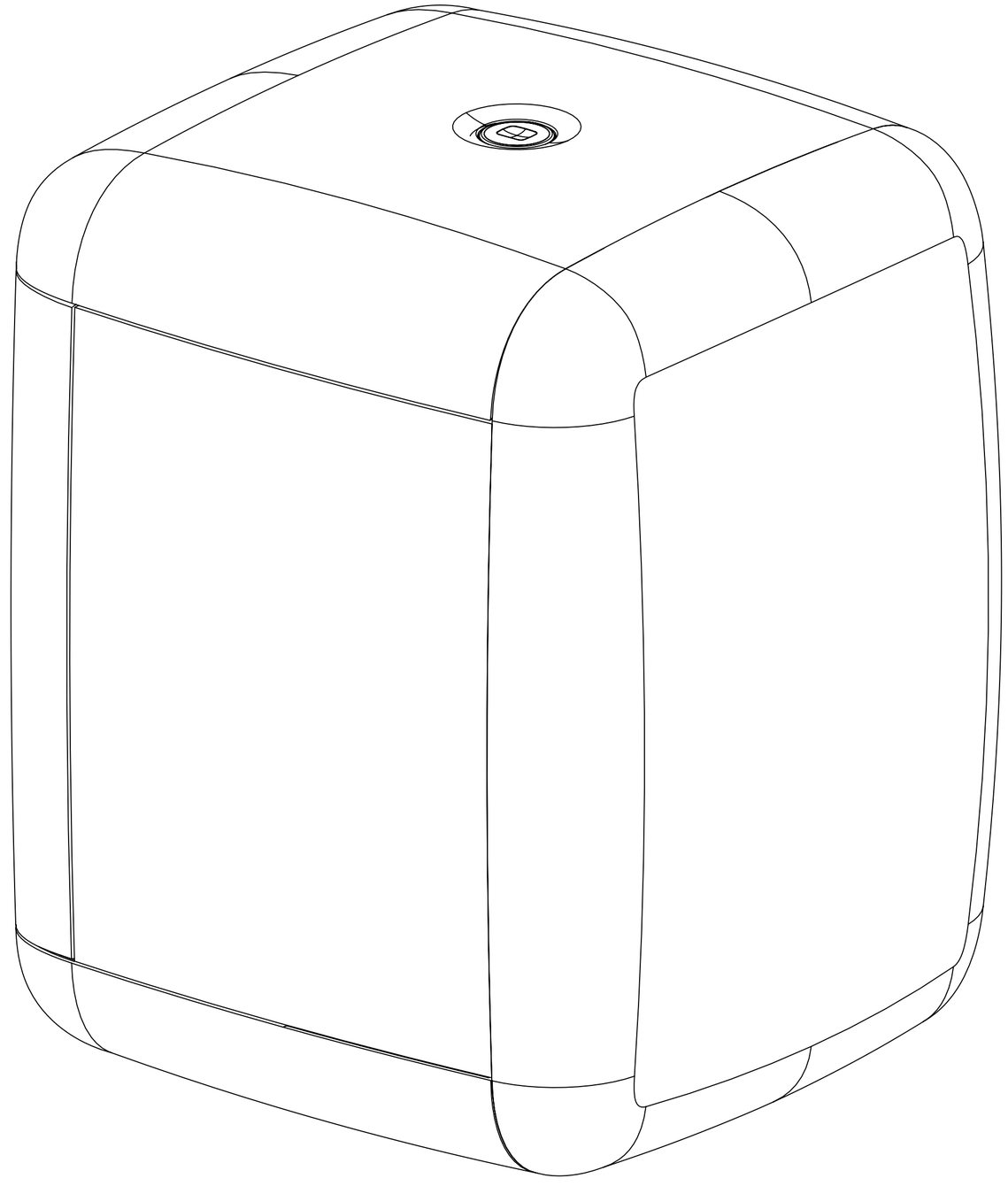
DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED. DO NOT SCALE.

UNSPECIFIED TOLERANCES: X ±.5; .X ±.1; .XX ±.05; X° ±.5°

THIRD ANGLE PROJECTION

SIZE	PART NUMBER	REVISION
C	Solidoodle_Main_Assy	1

SCALE 1:7 SHEET 1 OF 2



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Solidoodle_Main_Assy

UNSPECIFIED TOLERANCES
X ±.5
.X ±.1
.XX ±.05
X° ±.5°

THIRD ANGLE PROJECTION

SIZE	PART NUMBER	REVISION
C	Solidoodle_Main_Assy	1

SCALE 1:2 SHEET 2 OF 2