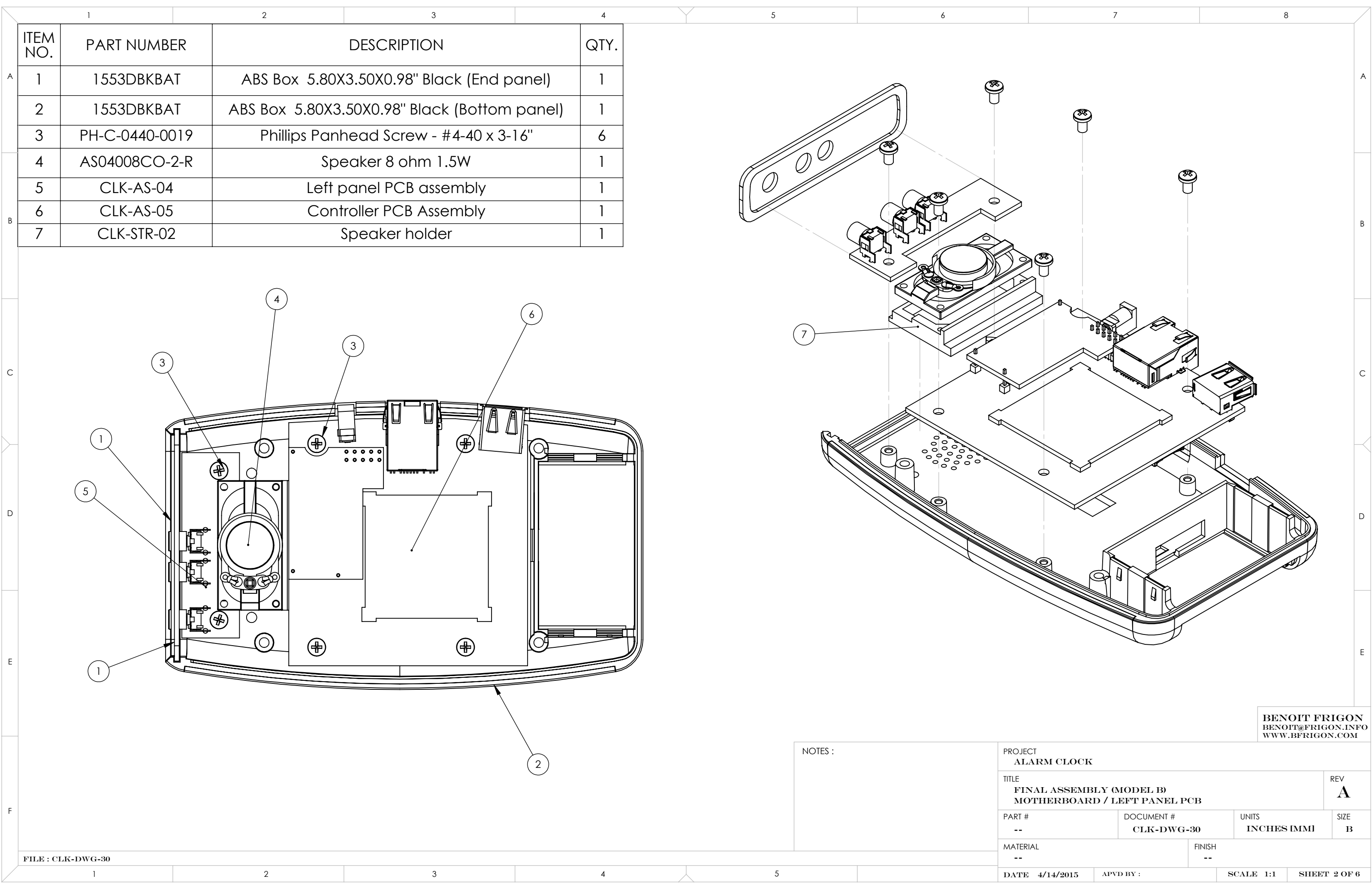


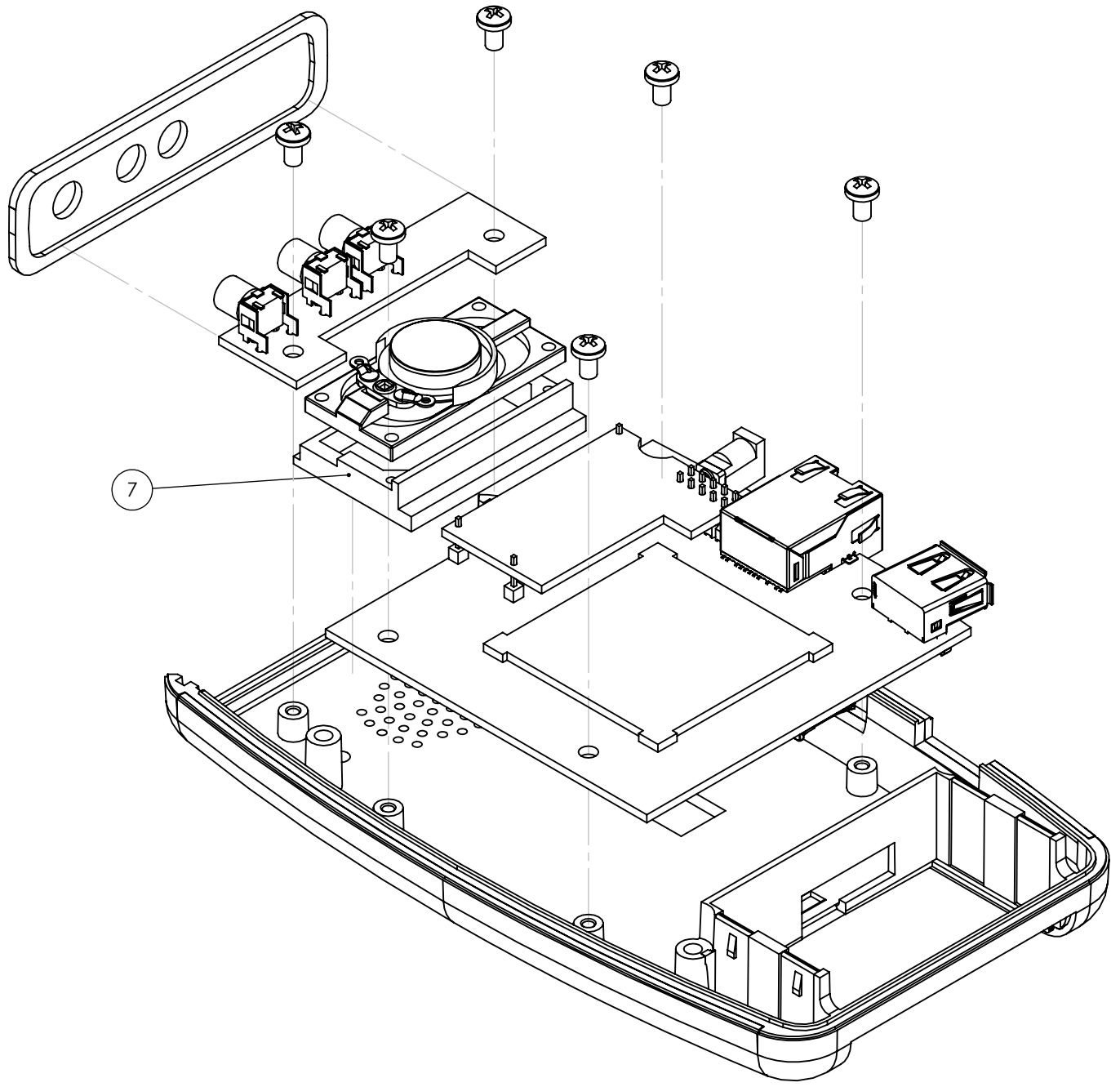
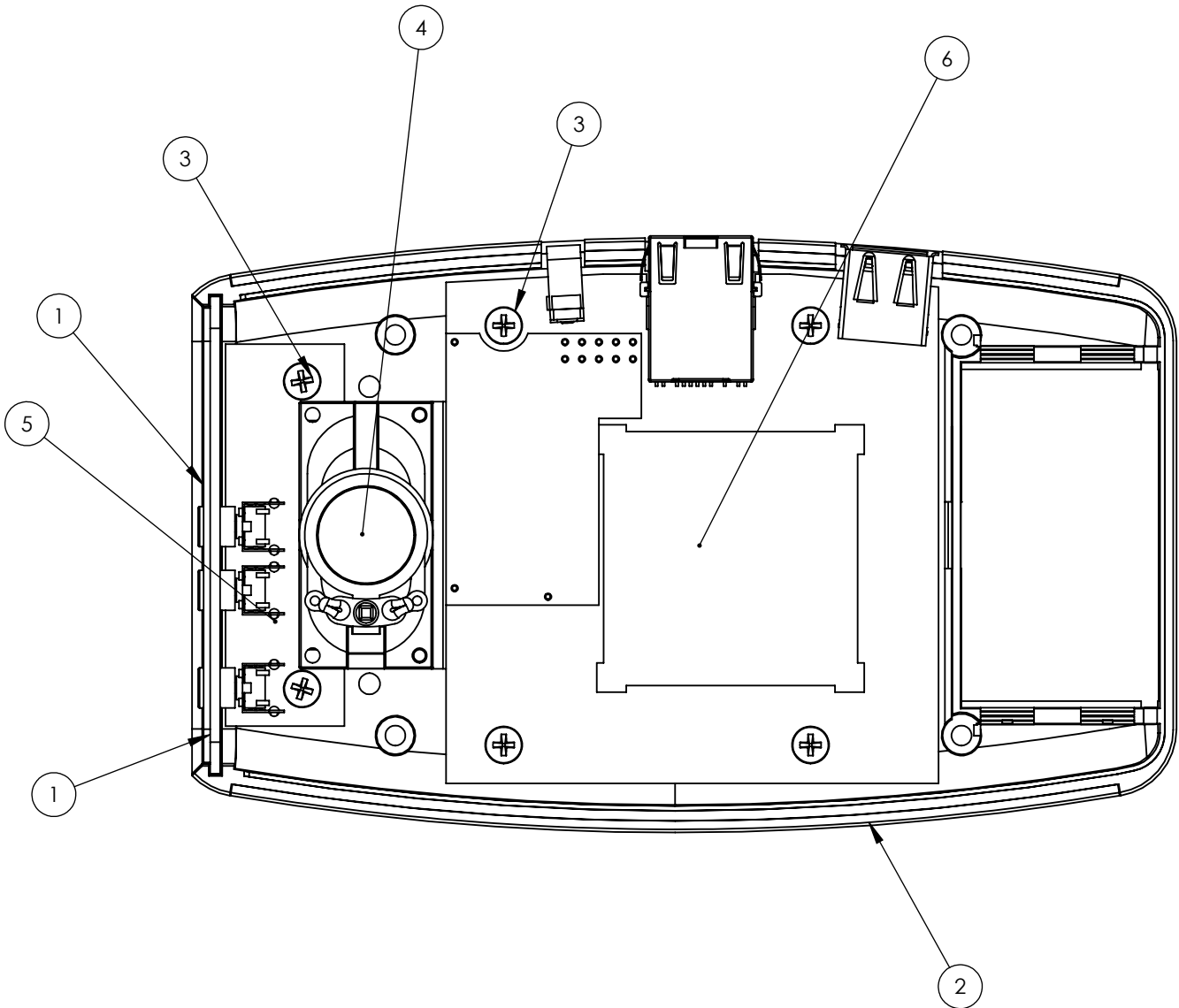
NOTES :

PROJECT ALARM CLOCK				
TITLE FINAL ASSEMBLY (MODEL B) DIMENSIONS				REV A
PART # --		DOCUMENT # CLK-DWG-30	UNITS INCHES IMMI	SIZE B
MATERIAL --			FINISH --	
DATE	4/14/2015	APVD BY :	SCALE 3:4	SHEET 1 OF 6

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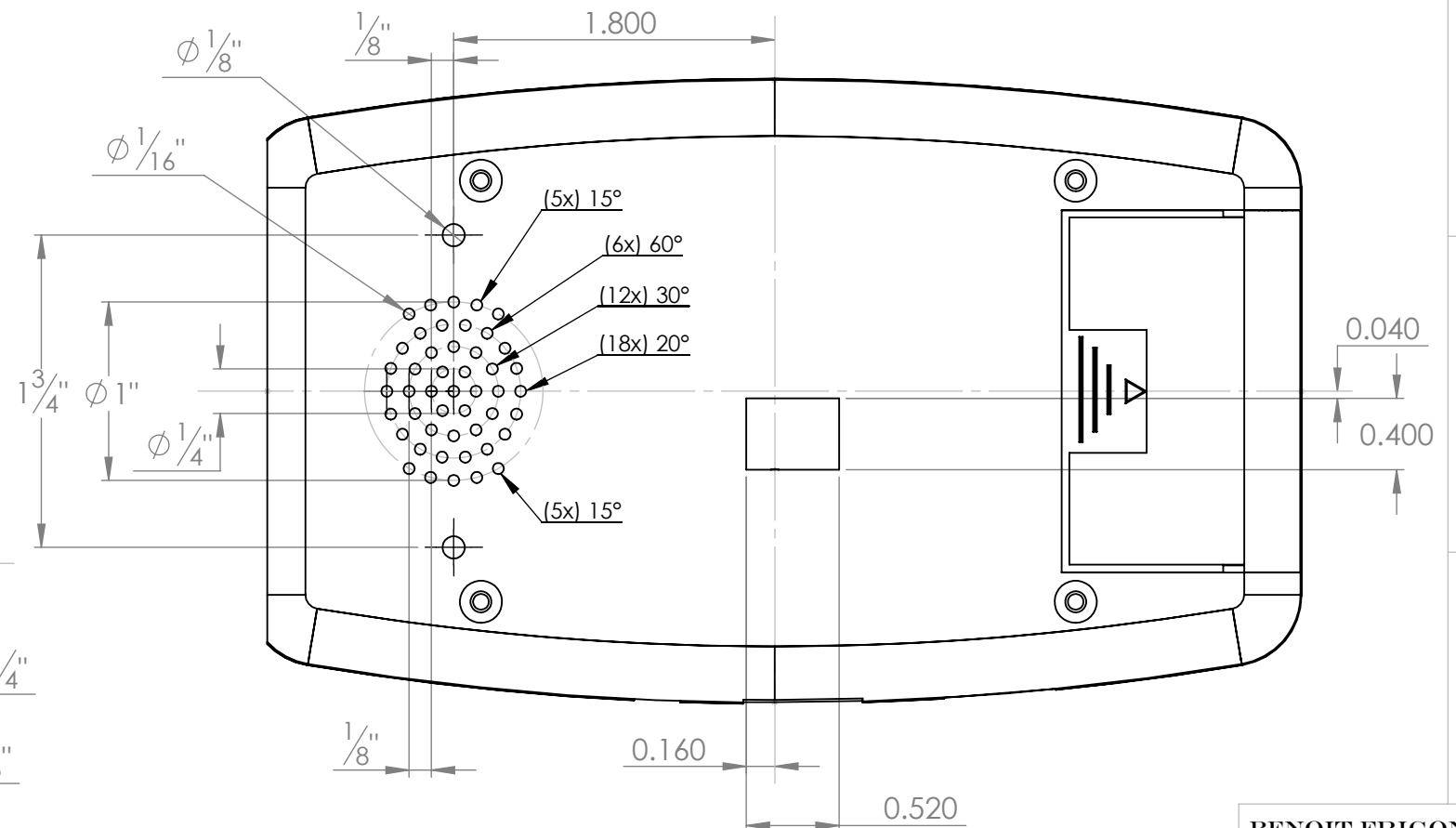
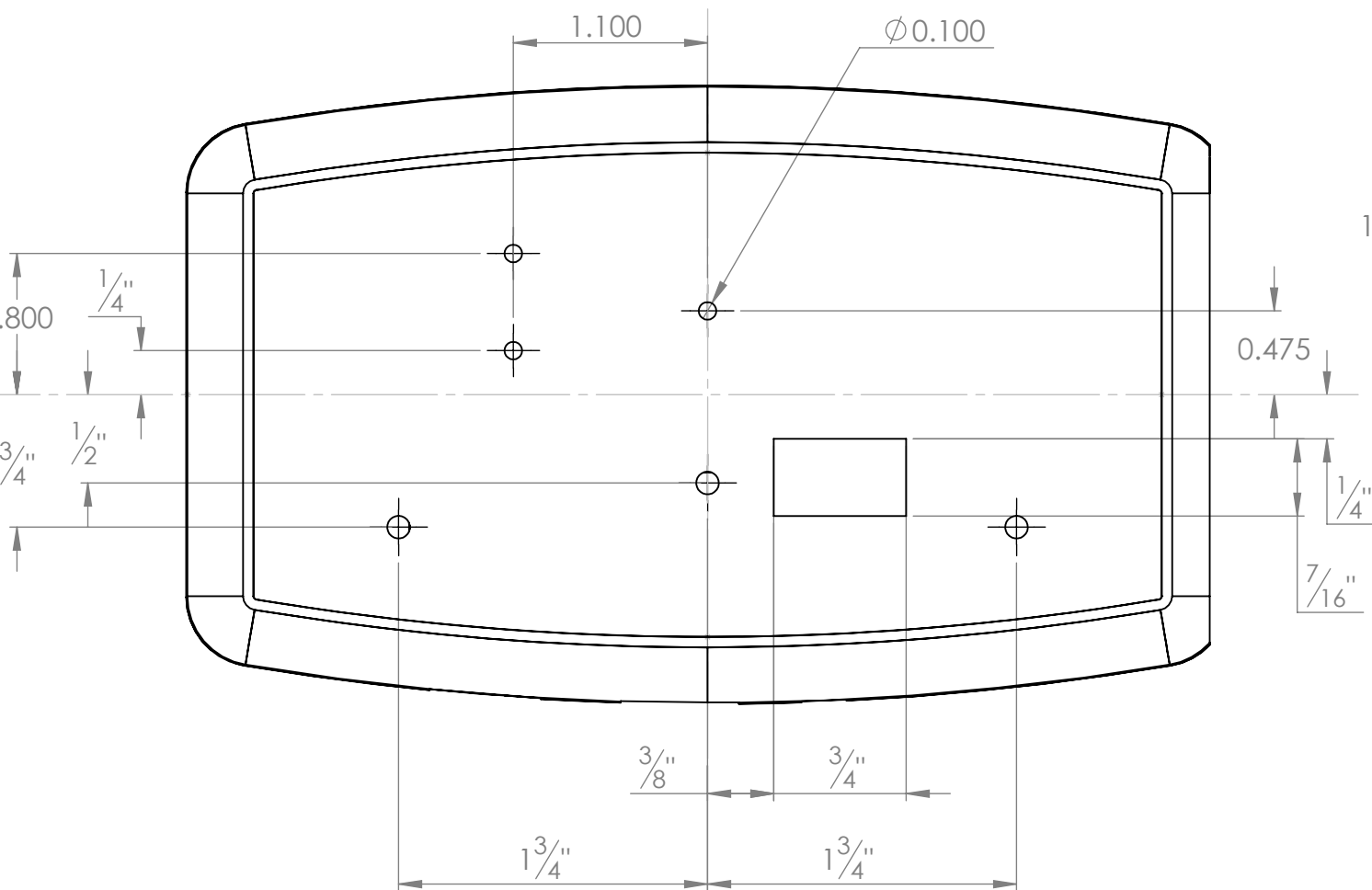


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1553DBKBAT	ABS Box 5.80X3.50X0.98" Black (End panel)	1
2	1553DBKBAT	ABS Box 5.80X3.50X0.98" Black (Bottom panel)	1
3	PH-C-0440-0019	Phillips Panhead Screw - #4-40 x 3-16"	6
4	AS04008CO-2-R	Speaker 8 ohm 1.5W	1
5	CLK-AS-04	Left panel PCB assembly	1
6	CLK-AS-05	Controller PCB Assembly	1
7	CLK-STR-02	Speaker holder	1

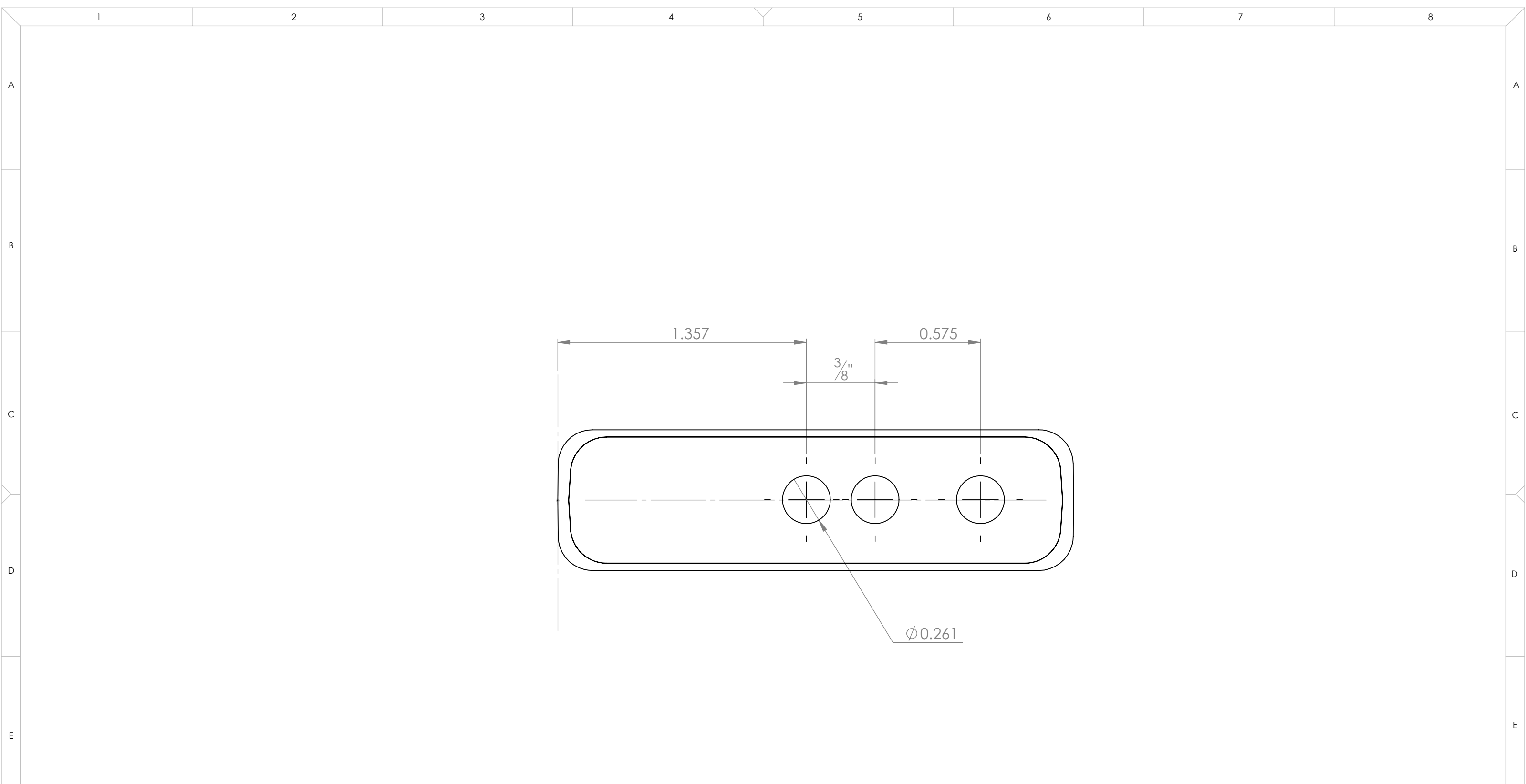


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NOTES :	PROJECT ALARM CLOCK			
	TITLE FINAL ASSEMBLY (MODEL B) MOTHERBOARD / LEFT PANEL PCB			REV A
	PART # --	DOCUMENT # CLK-DWG-30	UNITS INCHES IMMI	SIZE B
	MATERIAL --	FINISH --		
DATE 4/14/2015		APVD BY :		SCALE 1:1
				SHEET 2 OF 6

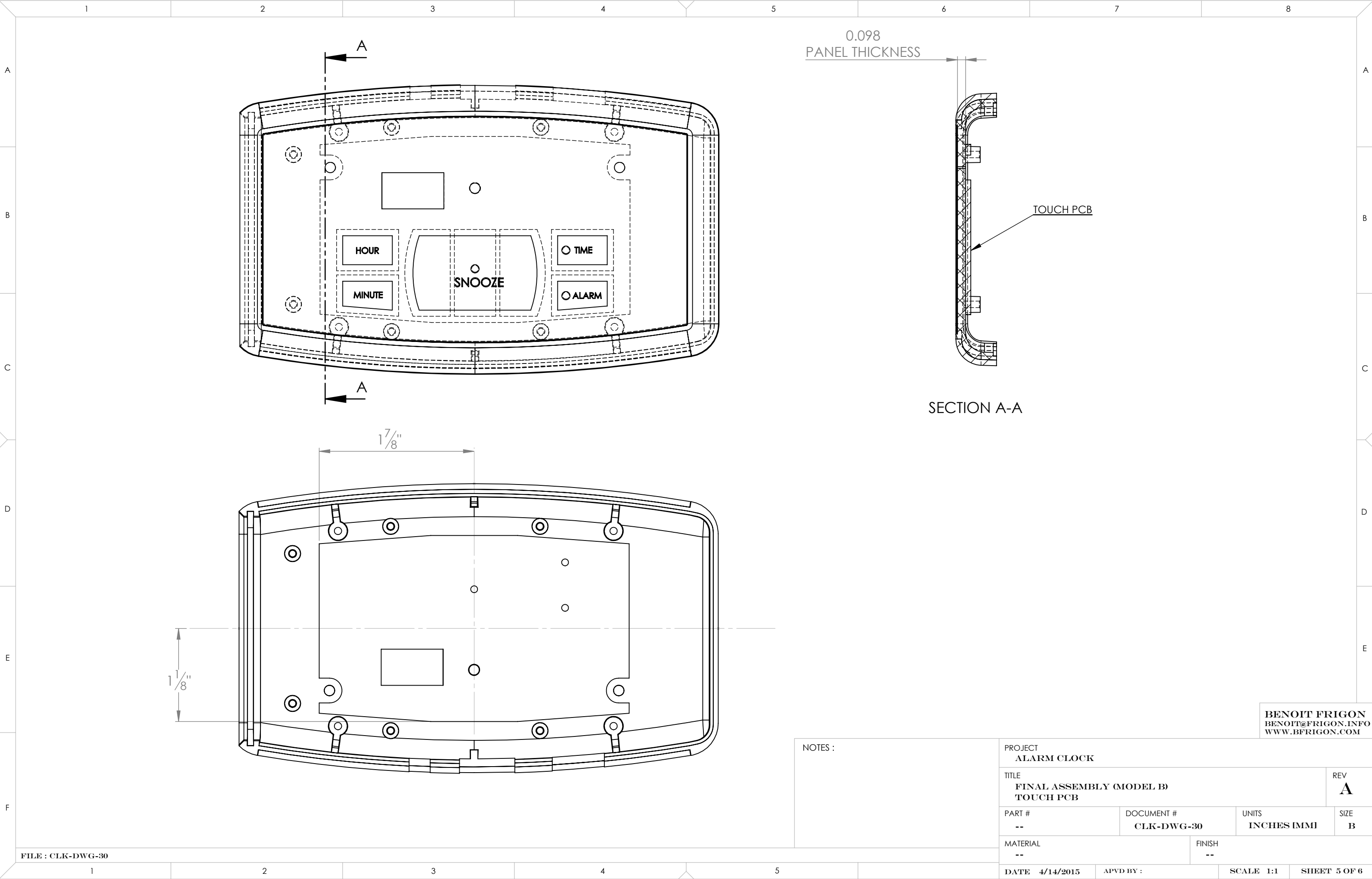


NOTES :	PROJECT ALARM CLOCK									
	TITLE FINAL ASSEMBLY (MODEL B) 1553D CASE MODIFICATIONS									REV A
	PART # --				DOCUMENT # CLK-DWG-30			UNITS INCHES [MM]		SIZE B
	MATERIAL --						FINISH --			
	DATE 4/14/2015 APVD BY : SCALE 1:1 SHEET 3 OF 6									



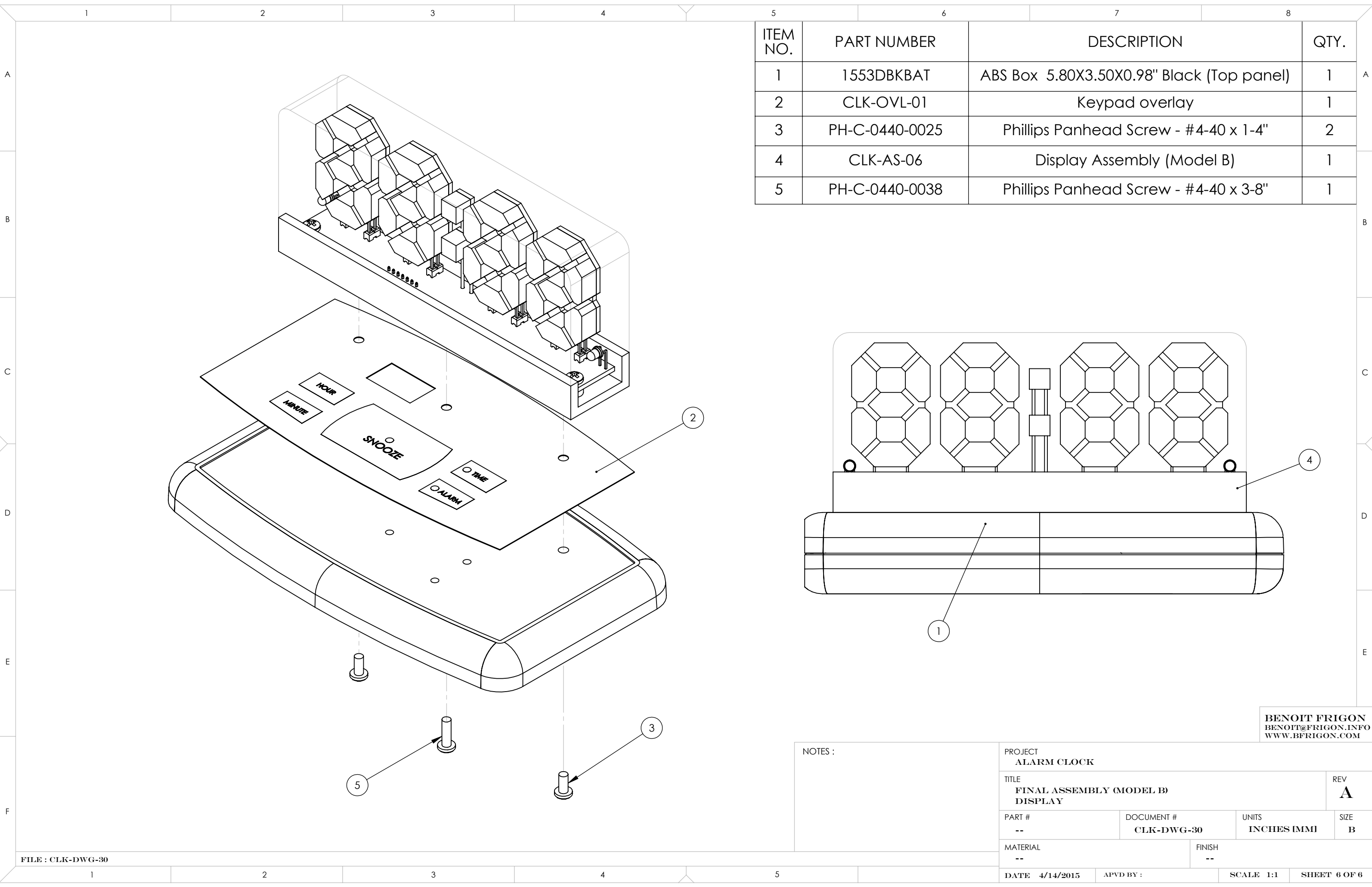
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F	<div>NOTES :</div>					PROJECT ALARM CLOCK					
						TITLE FINAL ASSEMBLY (MODEL B) END PANEL				REV A	
						PART # --	DOCUMENT # CLK-DWG-30	UNITS INCHES IMM	SIZE B		
						MATERIAL --		FINISH --			
	FILE : CLK-DWG-30					DATE	4/14/2015	APVD BY :	SCALE	2:1	SHEET



NOTES :

PROJECT ALARM CLOCK			
TITLE FINAL ASSEMBLY (MODEL B) TOUCH PCB			REV A
PART # --	DOCUMENT # CLK-DWG-30	UNITS INCHES IMMI	SIZE B
MATERIAL --		FINISH --	
DATE 4/14/2015	APVD BY :	SCALE 1:1	SHEET 5 OF 6



The diagram illustrates the assembly of an alarm clock. The main components are the ABS Box (1), Keypad overlay (2), and Display Assembly (Model B) (4). The assembly is secured with Phillips Panhead Screws (3 and 5). The keypad overlay features buttons for HOUR, MINUTE, SNOOZE, TIME, and ALARM. The display assembly shows four digital displays and a central button. The ABS box is shown in an exploded view, revealing internal components and wiring. Callouts 1 through 5 identify the following parts:

- 1: ABS Box 5.80X3.50X0.98" Black (Top panel)
- 2: Keypad overlay
- 3: Phillips Panhead Screw - #4-40 x 1-4"
- 4: Display Assembly (Model B)
- 5: Phillips Panhead Screw - #4-40 x 3-8"

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1553DBKBAT	ABS Box 5.80X3.50X0.98" Black (Top panel)	1
2	CLK-OVL-01	Keypad overlay	1
3	PH-C-0440-0025	Phillips Panhead Screw - #4-40 x 1-4"	2
4	CLK-AS-06	Display Assembly (Model B)	1
5	PH-C-0440-0038	Phillips Panhead Screw - #4-40 x 3-8"	1

NOTES :

PROJECT
ALARM CLOCK

TITLE
FINAL ASSEMBLY (MODEL B)
DISPLAY

PART #
--

MATERIAL
--

DATE 4/14/2015

APVD BY :

SCALE 1:1

REV
A

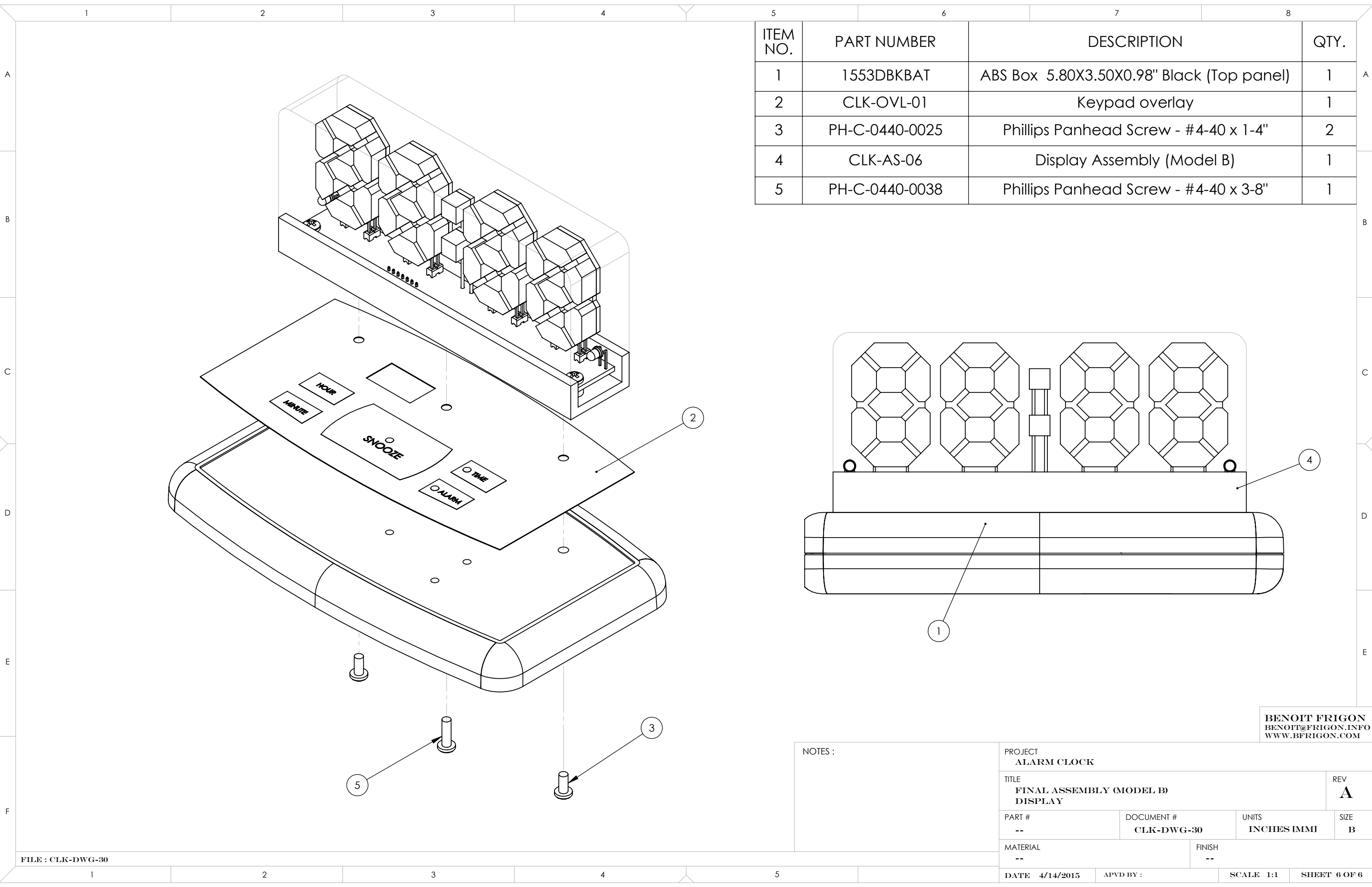
SIZE
B

UNITS
INCHES (MM)

FINISH
--

SHEET 6 OF 6

FILE : CLK-DWG-30



The diagram illustrates the assembly of an alarm clock. The main components shown in an exploded view are:

- ABS Box (1553DBKBAT):** The main housing, shown in a perspective view at the top left.
- Keypad overlay (CLK-OVL-01):** A flat panel with buttons for HOUR, MINUTE, SNOOZE, TIME, and ALARM, shown below the ABS box.
- Display Assembly (Model B) (CLK-AS-06):** A rectangular unit with four digital displays and a central indicator, shown below the keypad overlay.
- Fasteners:** Phillips Panhead Screws (PH-C-0440-0025 and PH-C-0440-0038) are shown being inserted into the assembly.

Callouts 1 through 5 identify specific parts and fasteners:

- 1:** ABS Box
- 2:** Keypad overlay
- 3:** Phillips Panhead Screw - #4-40 x 1-4"
- 4:** Display Assembly (Model B)
- 5:** Phillips Panhead Screw - #4-40 x 3-8"

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1553DBKBAT	ABS Box 5.80X3.50X0.98" Black (Top panel)	1
2	CLK-OVL-01	Keypad overlay	1
3	PH-C-0440-0025	Phillips Panhead Screw - #4-40 x 1-4"	2
4	CLK-AS-06	Display Assembly (Model B)	1
5	PH-C-0440-0038	Phillips Panhead Screw - #4-40 x 3-8"	1

NOTES :

PROJECT: ALARM CLOCK

TITLE: FINAL ASSEMBLY (MODEL B) DISPLAY

PART #: --

DOCUMENT #: CLK-DWG-30

UNITS: INCHES (MM)

SCALE: 1:1

DATE: 4/14/2015

APVD BY:

FINISH: --

REV: A

SIZE: B

SHEET 6 OF 6

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FILE : CLK-DWG-30

The diagram illustrates the assembly of an alarm clock. The main components shown in an exploded view are:

- ABS Box (1553DBKBAT):** The main housing, shown in a perspective view at the top left.
- Keypad overlay (CLK-OVL-01):** A flat panel with buttons for HOUR, MINUTE, SNOOZE, TIME, and ALARM, shown below the ABS box.
- Display Assembly (Model B) (CLK-AS-06):** A rectangular unit with four digital displays and a central indicator, shown below the keypad overlay.
- Fasteners:** Phillips Panhead Screws (PH-C-0440-0025 and PH-C-0440-0038) are shown being inserted into the assembly.

Callouts 1 through 5 identify specific parts and fasteners:

- 1:** ABS Box
- 2:** Keypad overlay
- 3:** Phillips Panhead Screw - #4-40 x 1-4"
- 4:** Display Assembly (Model B)
- 5:** Phillips Panhead Screw - #4-40 x 3-8"

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1553DBKBAT	ABS Box 5.80X3.50X0.98" Black (Top panel)	1
2	CLK-OVL-01	Keypad overlay	1
3	PH-C-0440-0025	Phillips Panhead Screw - #4-40 x 1-4"	2
4	CLK-AS-06	Display Assembly (Model B)	1
5	PH-C-0440-0038	Phillips Panhead Screw - #4-40 x 3-8"	1

NOTES :

PROJECT: ALARM CLOCK

TITLE: FINAL ASSEMBLY (MODEL B) DISPLAY

PART #: --

DOCUMENT #: CLK-DWG-30

UNITS: INCHES (MM)

SCALE: 1:1

DATE: 4/14/2015

APVD BY:

FINISH: --

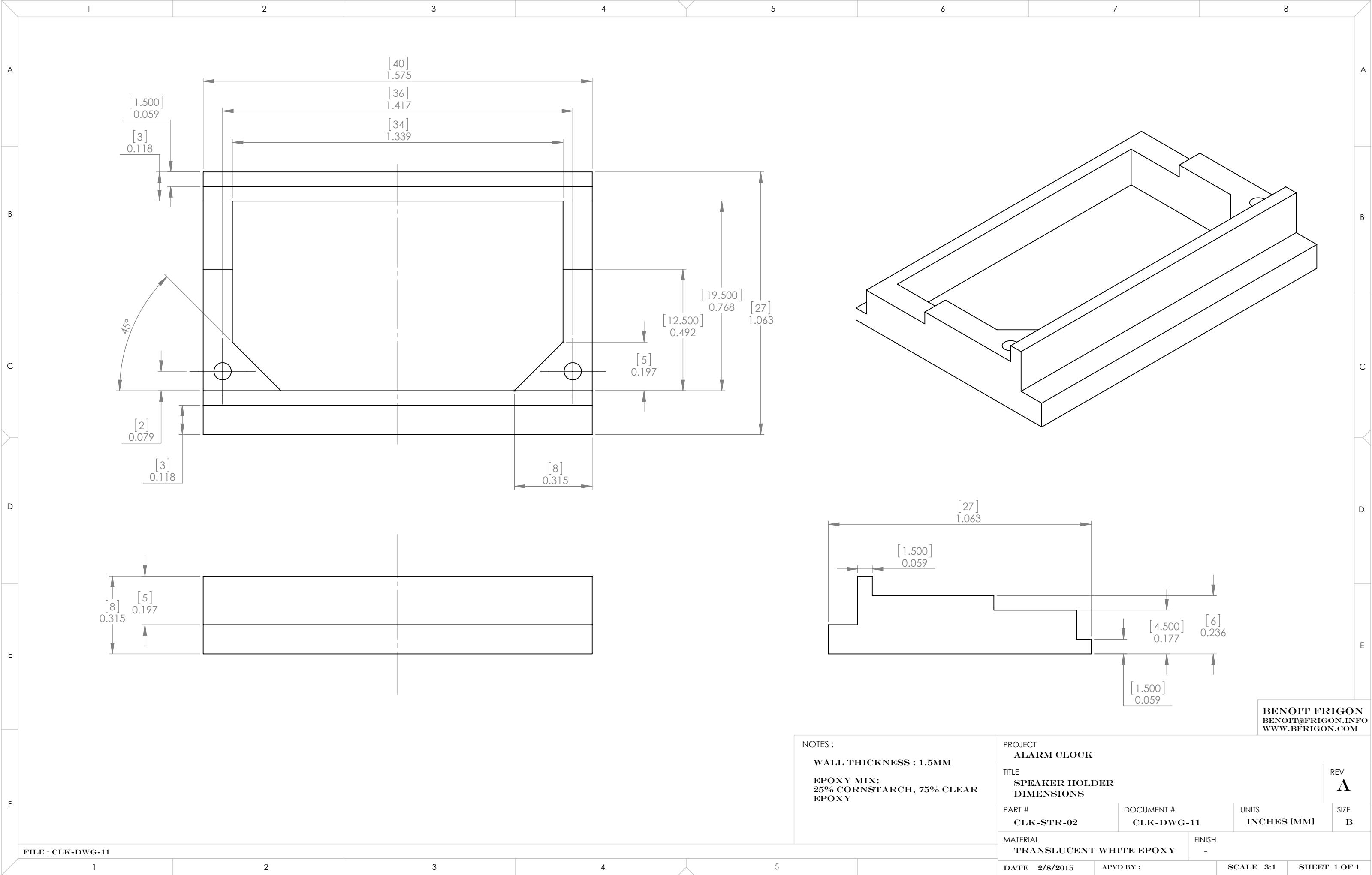
REV: A

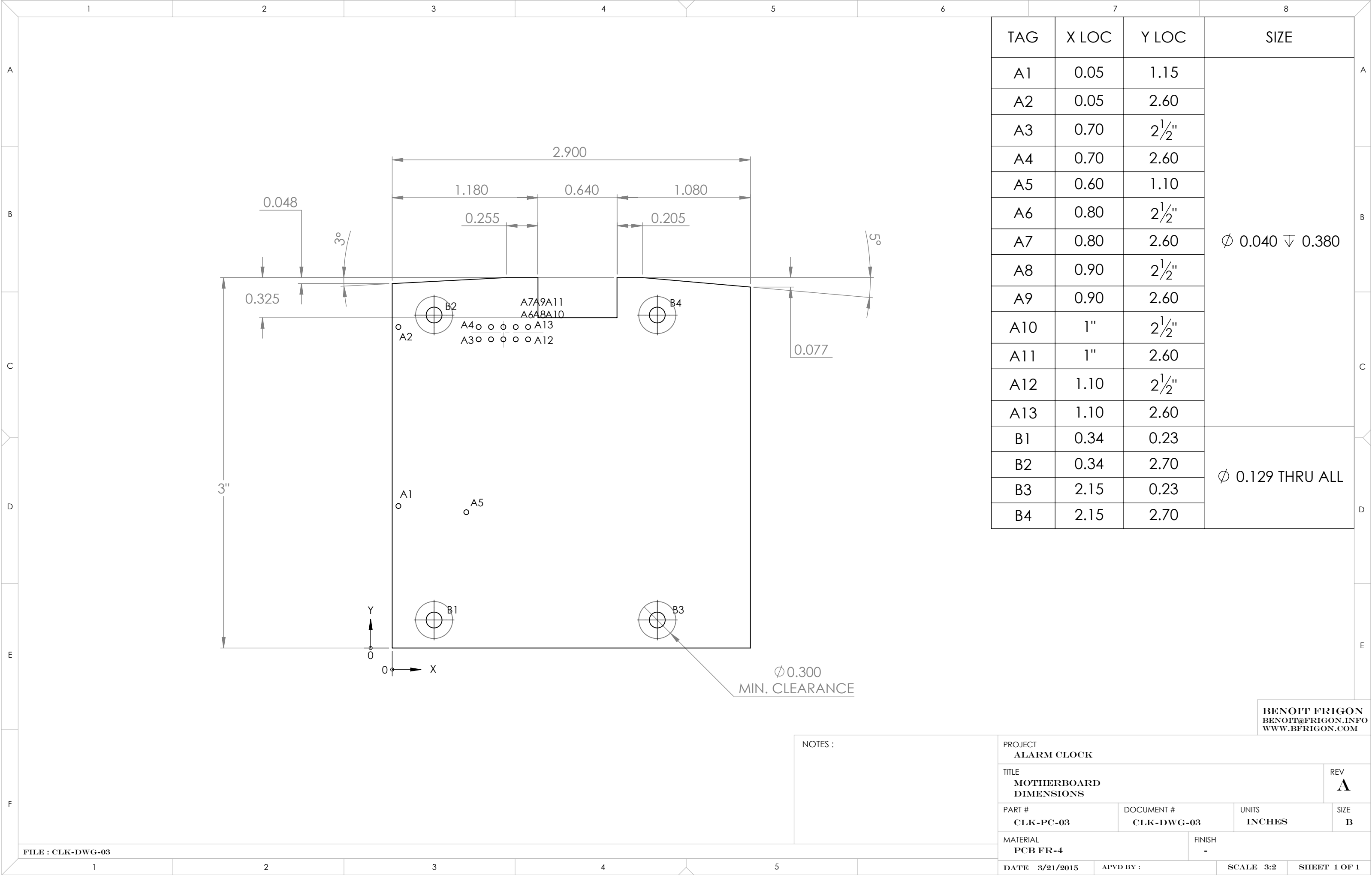
SIZE: B

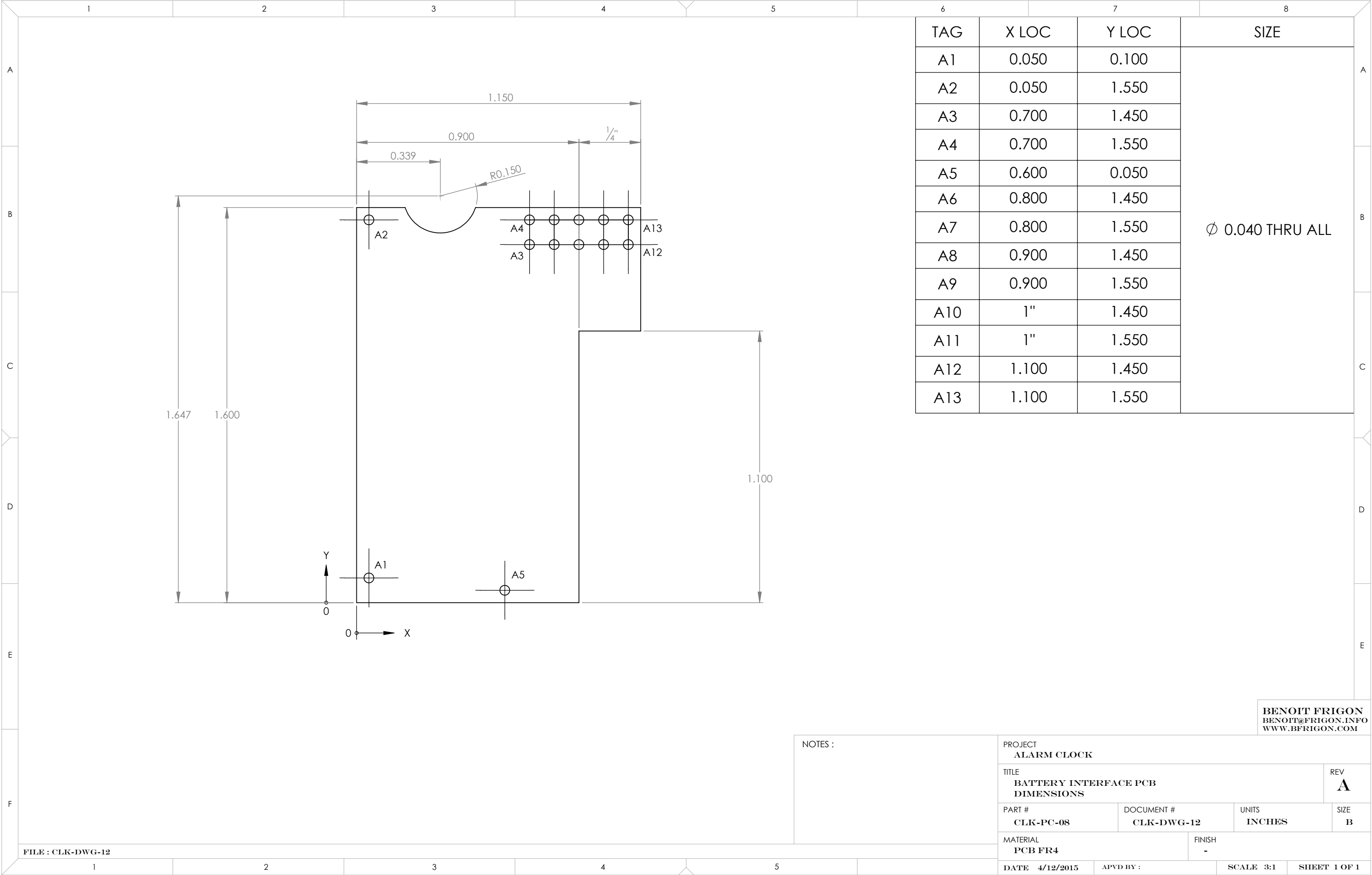
SHEET 6 OF 6

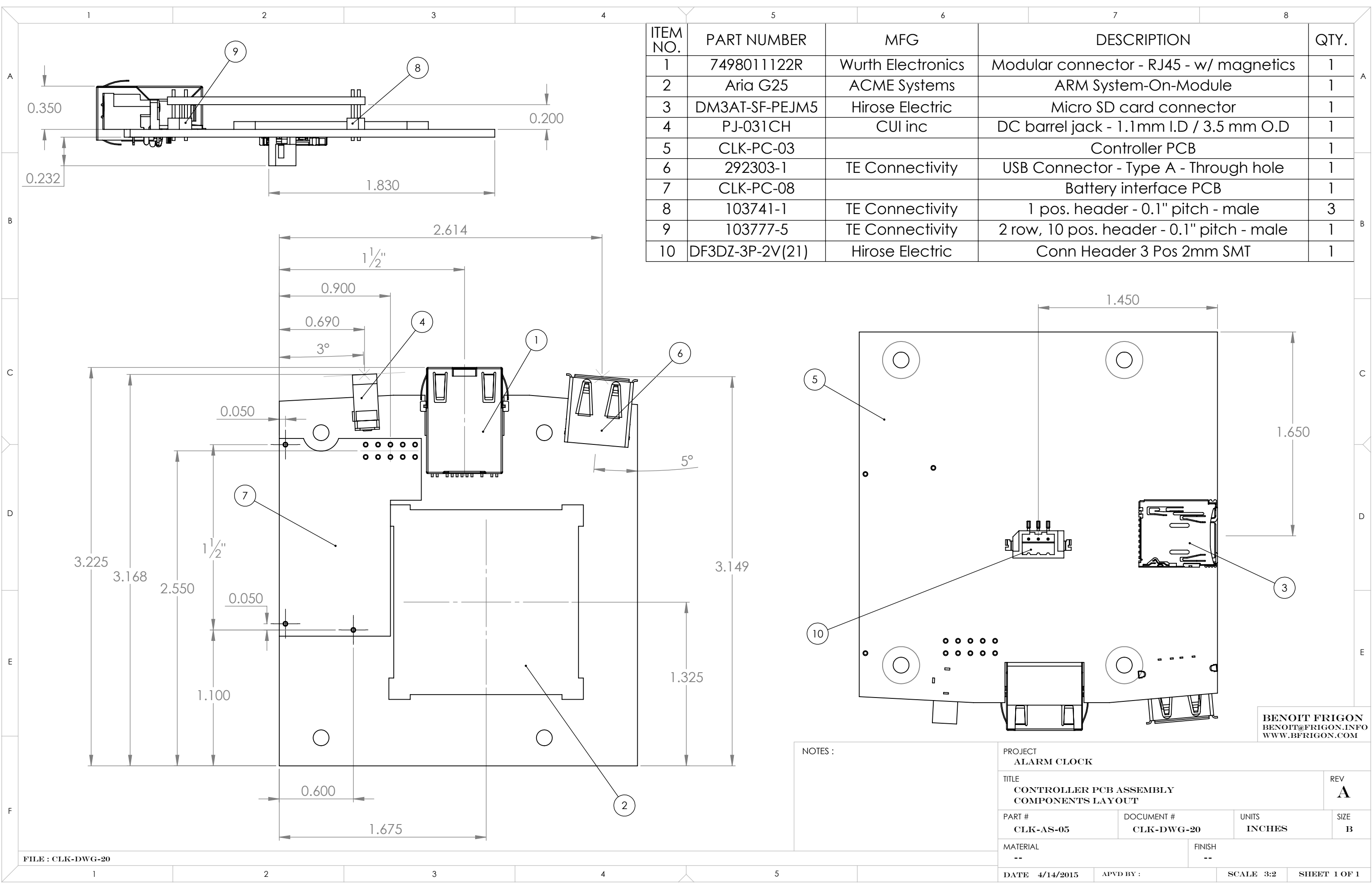
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FILE : CLK-DWG-30







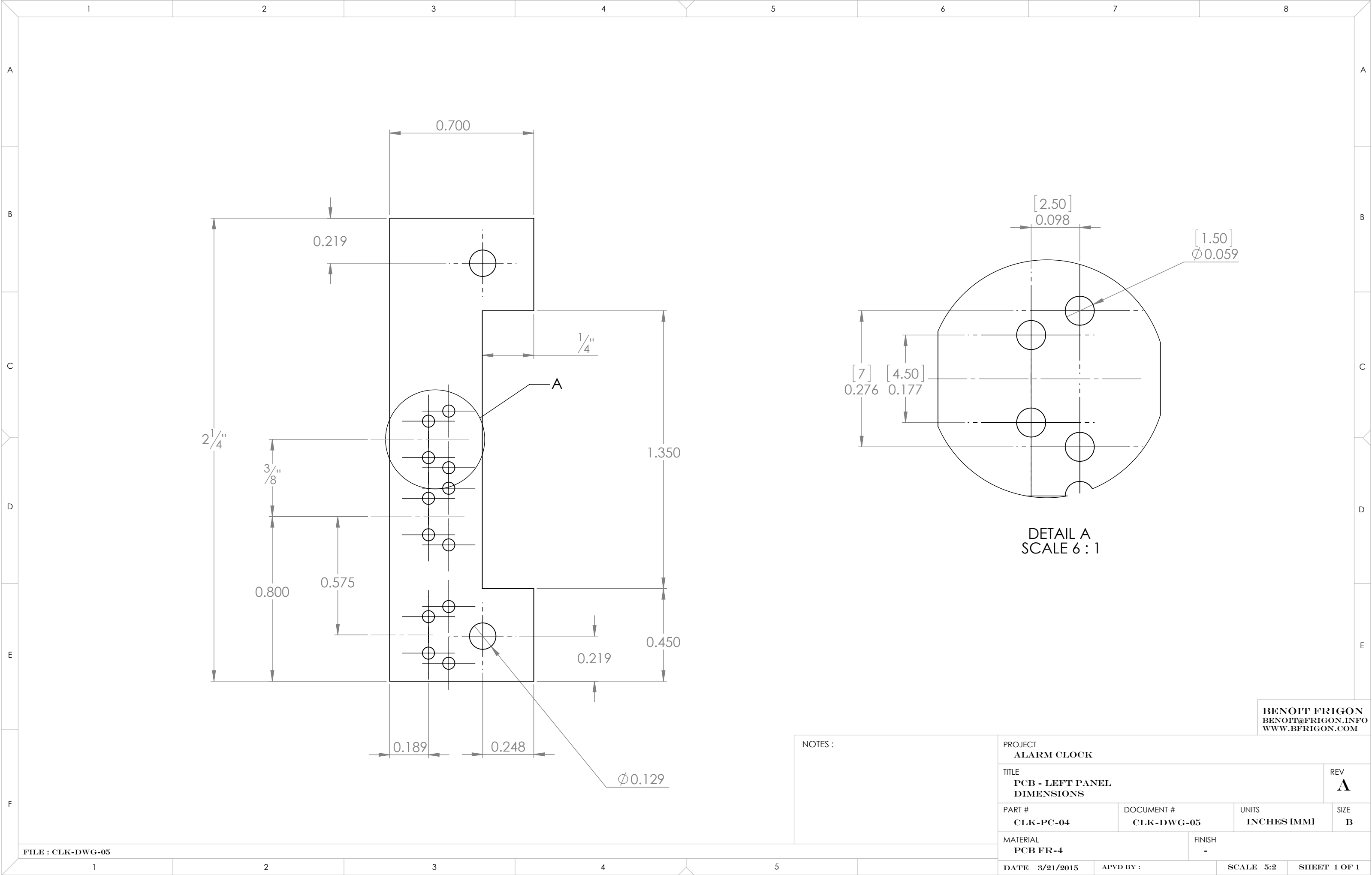


ITEM NO.	PART NUMBER	MFG	DESCRIPTION	QTY.
1	7498011122R	Würth Electronics	Modular connector - RJ45 - w/ magnetics	1
2	Aria G25	ACME Systems	ARM System-On-Module	1
3	DM3AT-SF-PEJM5	Hirose Electric	Micro SD card connector	1
4	PJ-031CH	CUI inc	DC barrel jack - 1.1mm I.D / 3.5 mm O.D	1
5	CLK-PC-03		Controller PCB	1
6	292303-1	TE Connectivity	USB Connector - Type A - Through hole	1
7	CLK-PC-08		Battery interface PCB	1
8	103741-1	TE Connectivity	1 pos. header - 0.1" pitch - male	3
9	103777-5	TE Connectivity	2 row, 10 pos. header - 0.1" pitch - male	1
10	DF3DZ-3P-2V(21)	Hirose Electric	Conn Header 3 Pos 2mm SMT	1

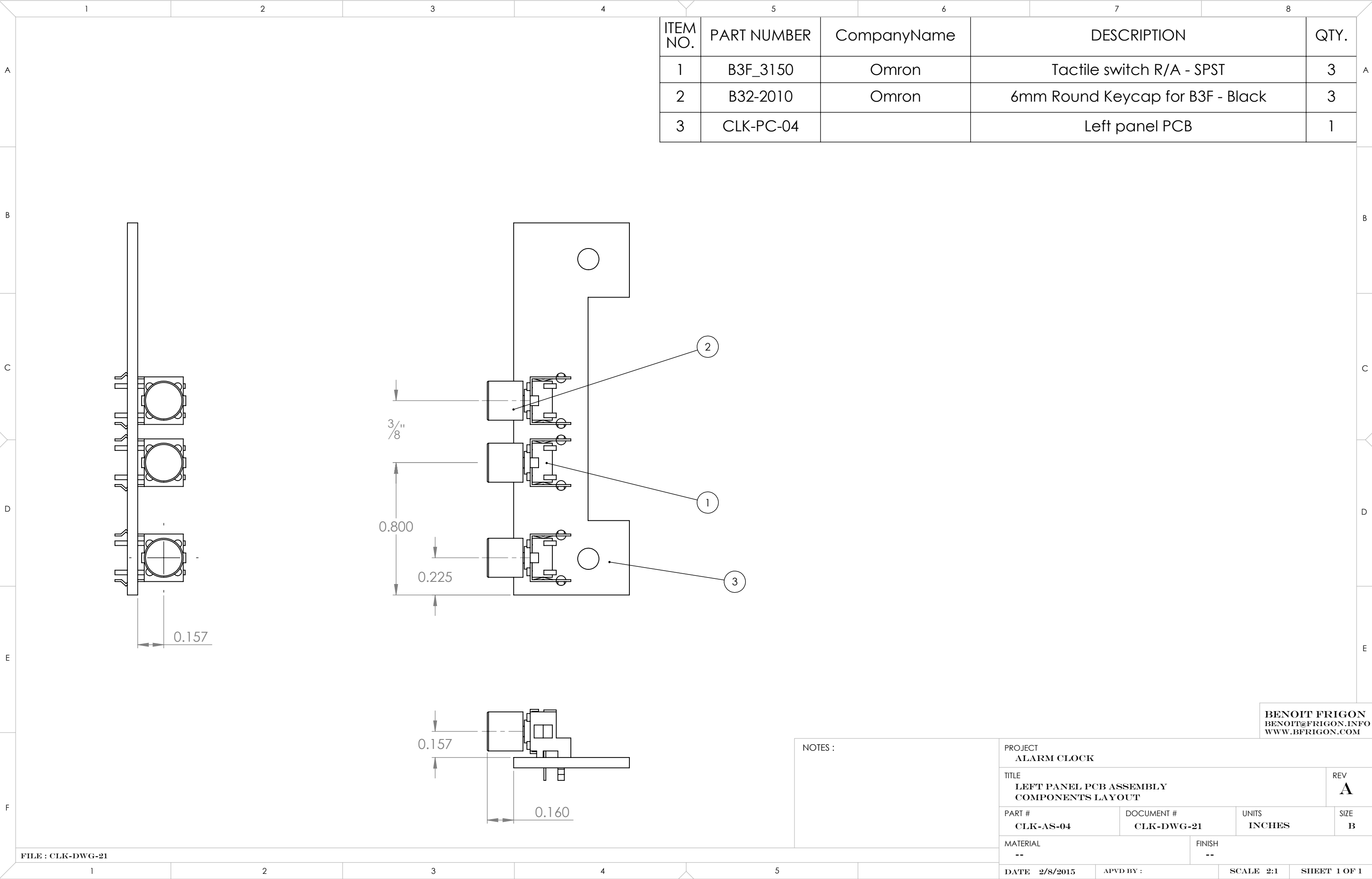
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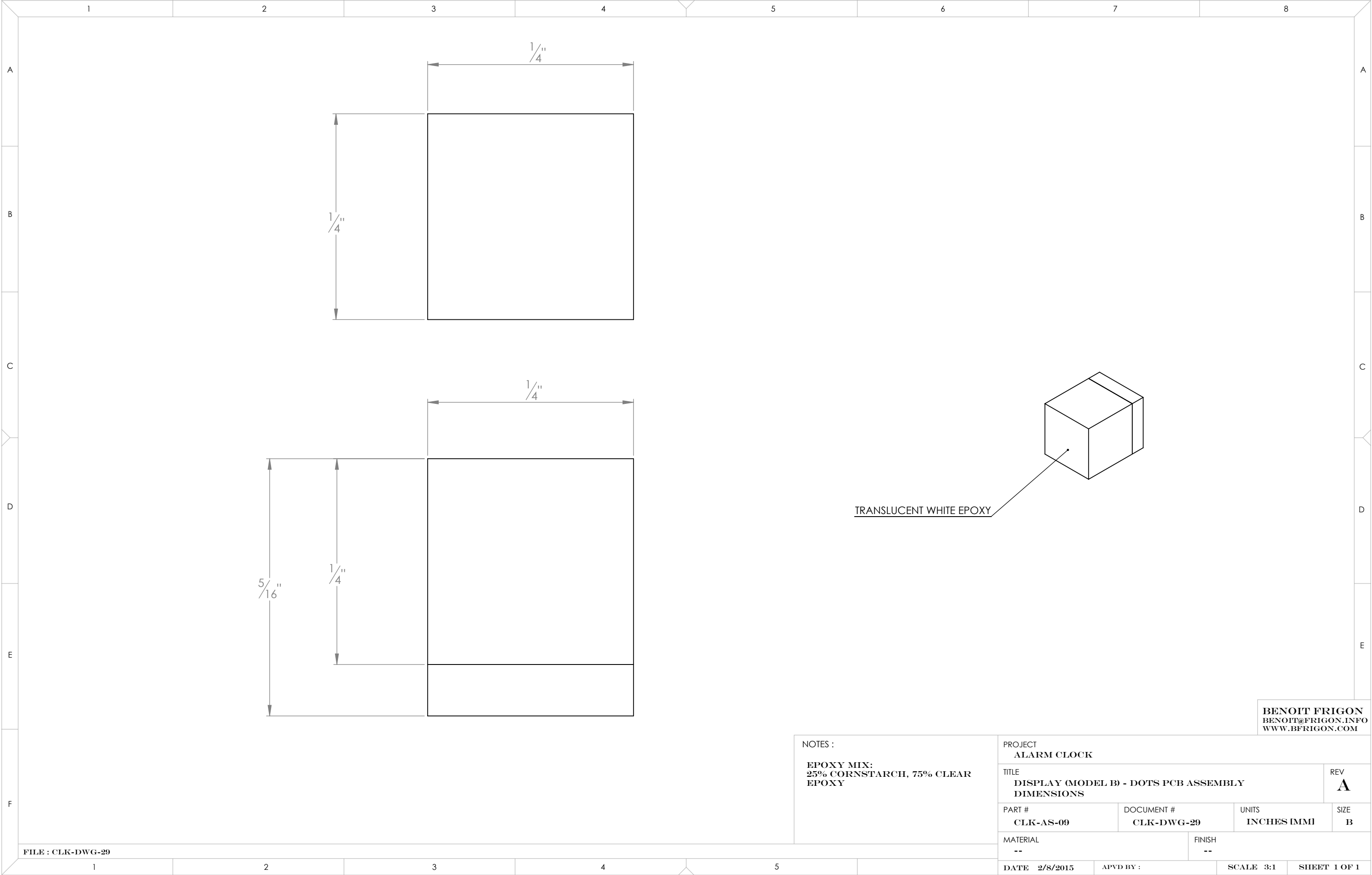
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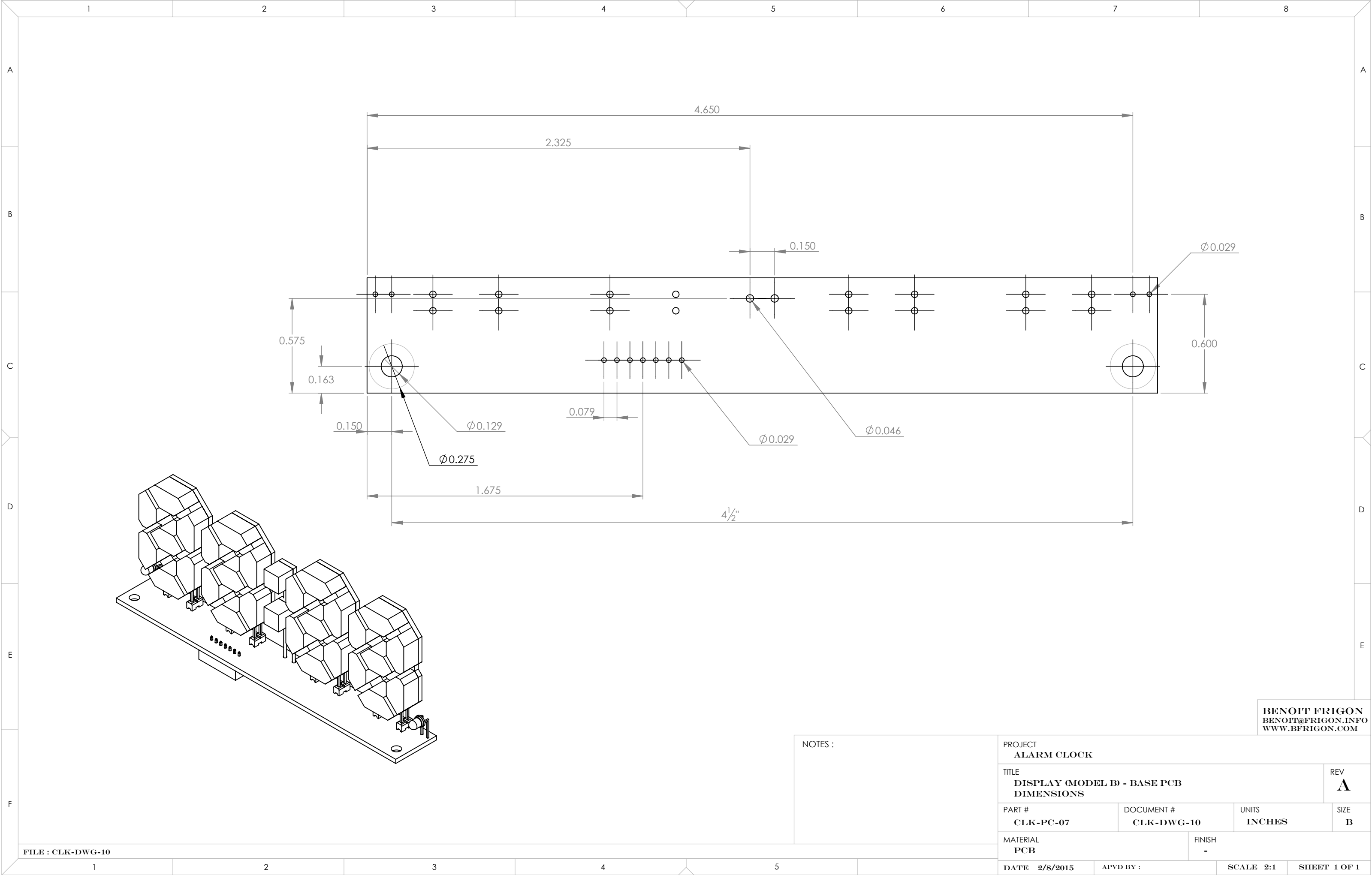
PROJECT ALARM CLOCK			
TITLE CONTROLLER PCB ASSEMBLY COMPONENTS LAYOUT			REV A
PART # CLK-AS-05	DOCUMENT # CLK-DWG-20	UNITS INCHES	SIZE B
MATERIAL --		FINISH --	
DATE 4/14/2015	APVD BY :	SCALE 3:2	SHEET 1 OF 1



PROJECT ALARM CLOCK			
TITLE PCB - LEFT PANEL DIMENSIONS			REV A
PART # CLK-PC-04	DOCUMENT # CLK-DWG-05	UNITS INCHES IMMI	SIZE B
MATERIAL PCB FR-4		FINISH -	
DATE 3/21/2015	APVD BY :	SCALE 5:2	SHEET 1 OF 1



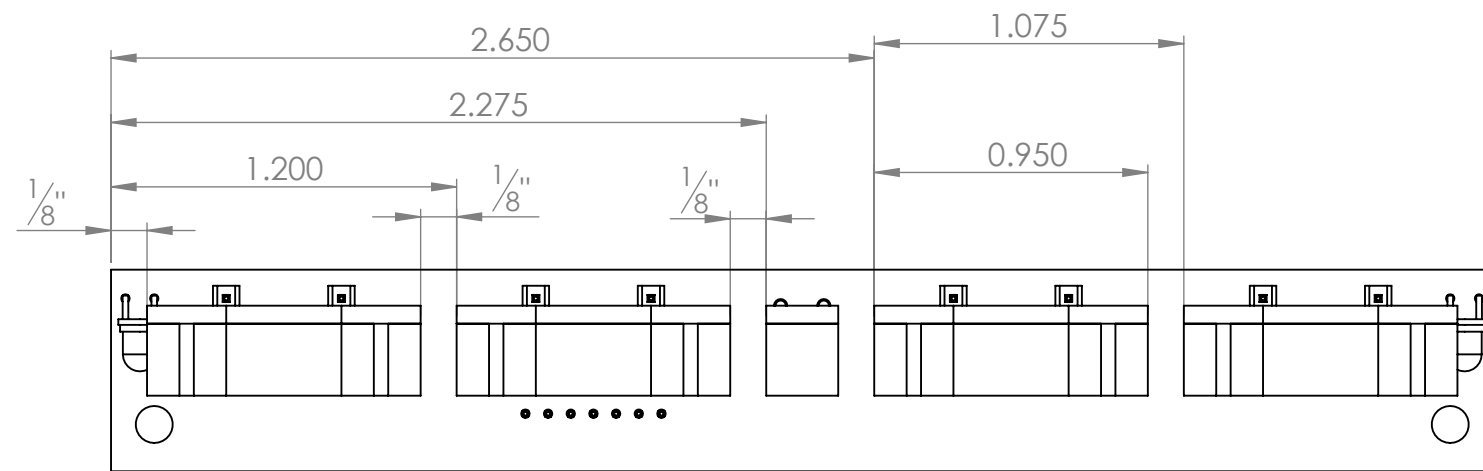




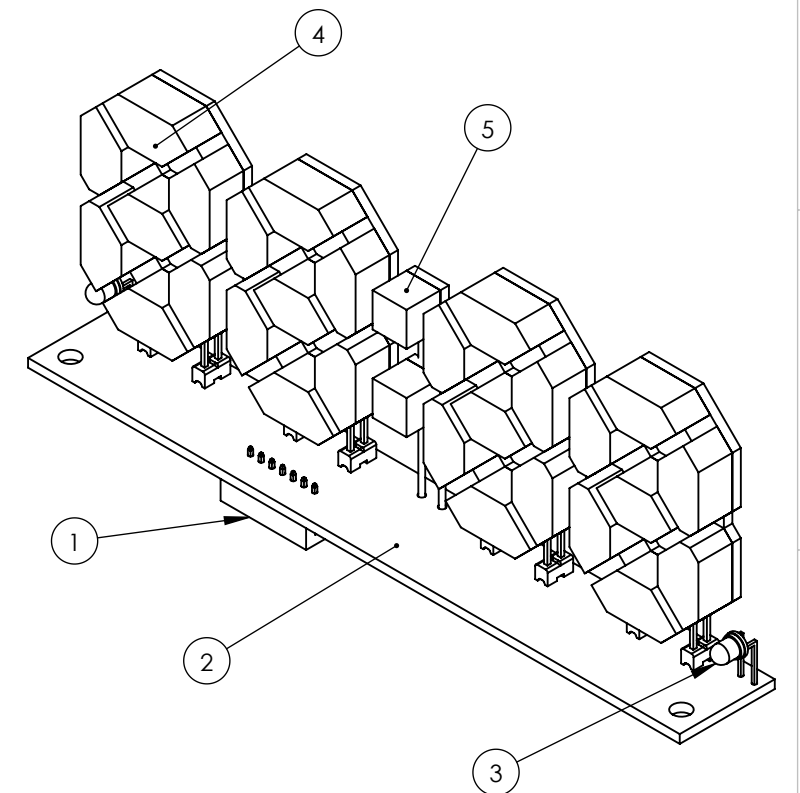
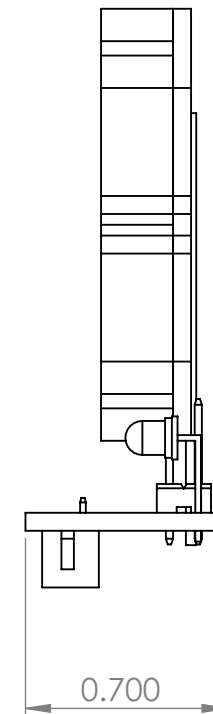
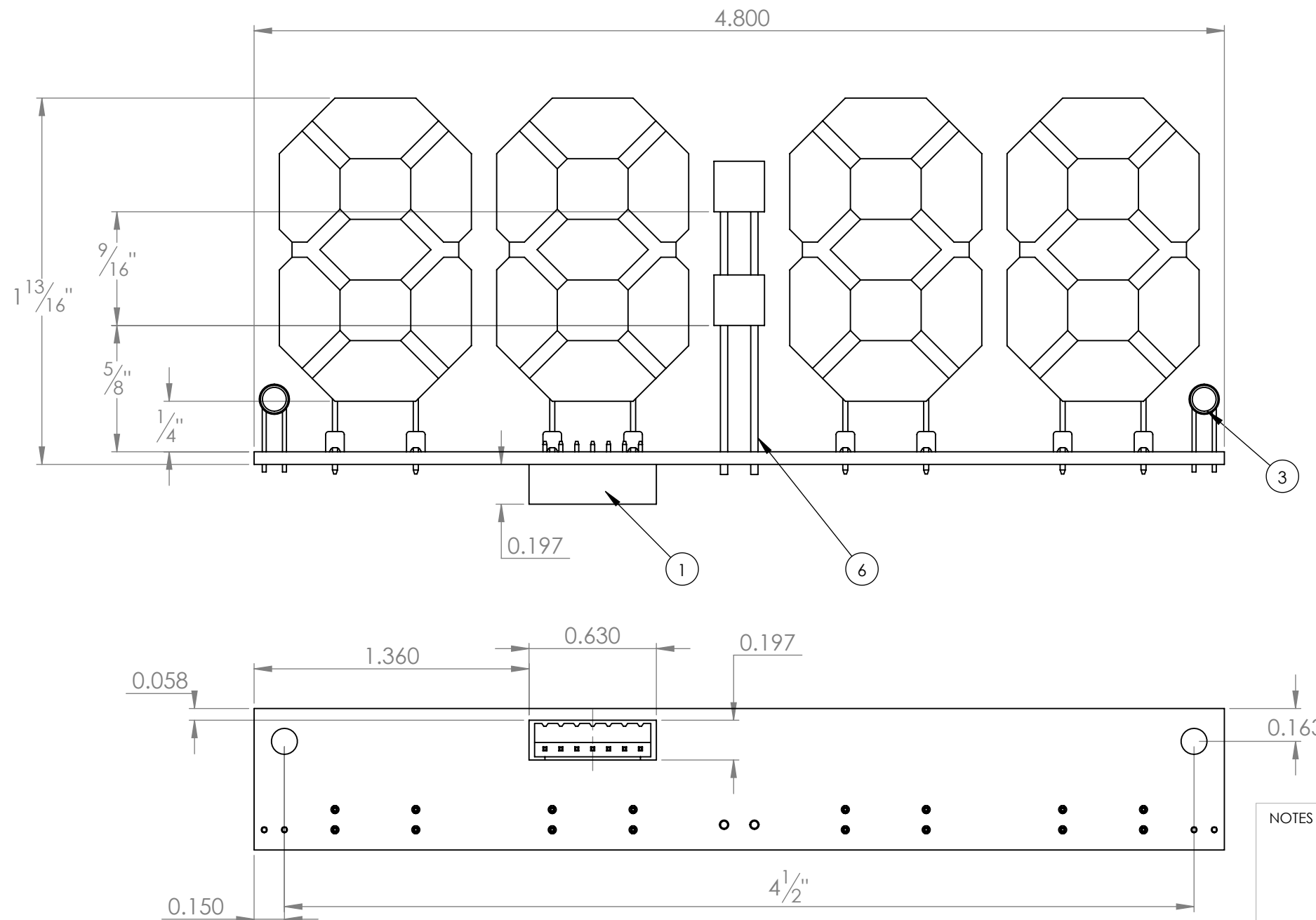
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NOTES :

PROJECT ALARM CLOCK			
TITLE DISPLAY (MODEL B) - BASE PCB DIMENSIONS			REV A
PART # CLK-PC-07	DOCUMENT # CLK-DWG-10	UNITS INCHES	SIZE B
MATERIAL PCB		FINISH -	
DATE 2/8/2015	APVD BY :	SCALE 2:1	SHEET 1 OF 1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	DF3A-7P-2DSA	Conn. Header 7 Pos - 2mm Pitch	1
2	CLK-PC-07	Display (Model B) - Base PCB	1
3	WP710A10SRC/D	Clear Red LED 3mm	2
4	CLK-AS-07	Segment PCB Assembly	4
5	CLK-AS-09	Dots PCB Assembly	2
6	--	Wire - 1.5"	2



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NOTES :

PROJECT ALARM CLOCK

TITLE
<p>DISPLAY (MODEL B) - BASE PCB ASSEMBLY DIMENSIONS</p>

EV
A

PART #
CLK-AS-08

DOCUMENT #
CLK-DWG-27

UNITS
INCHES [MM]

SIZE
B

	MATERIAL
	--

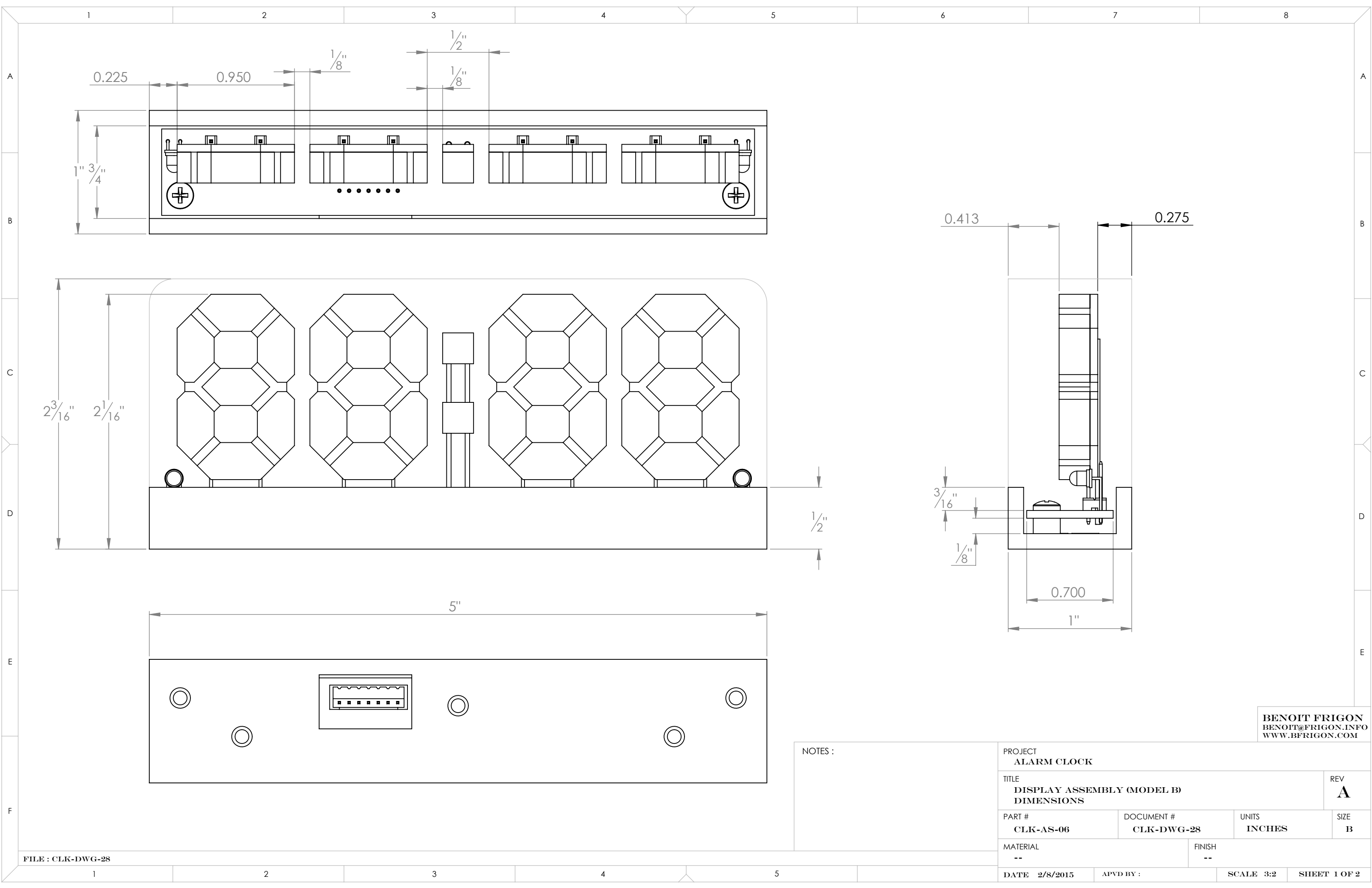
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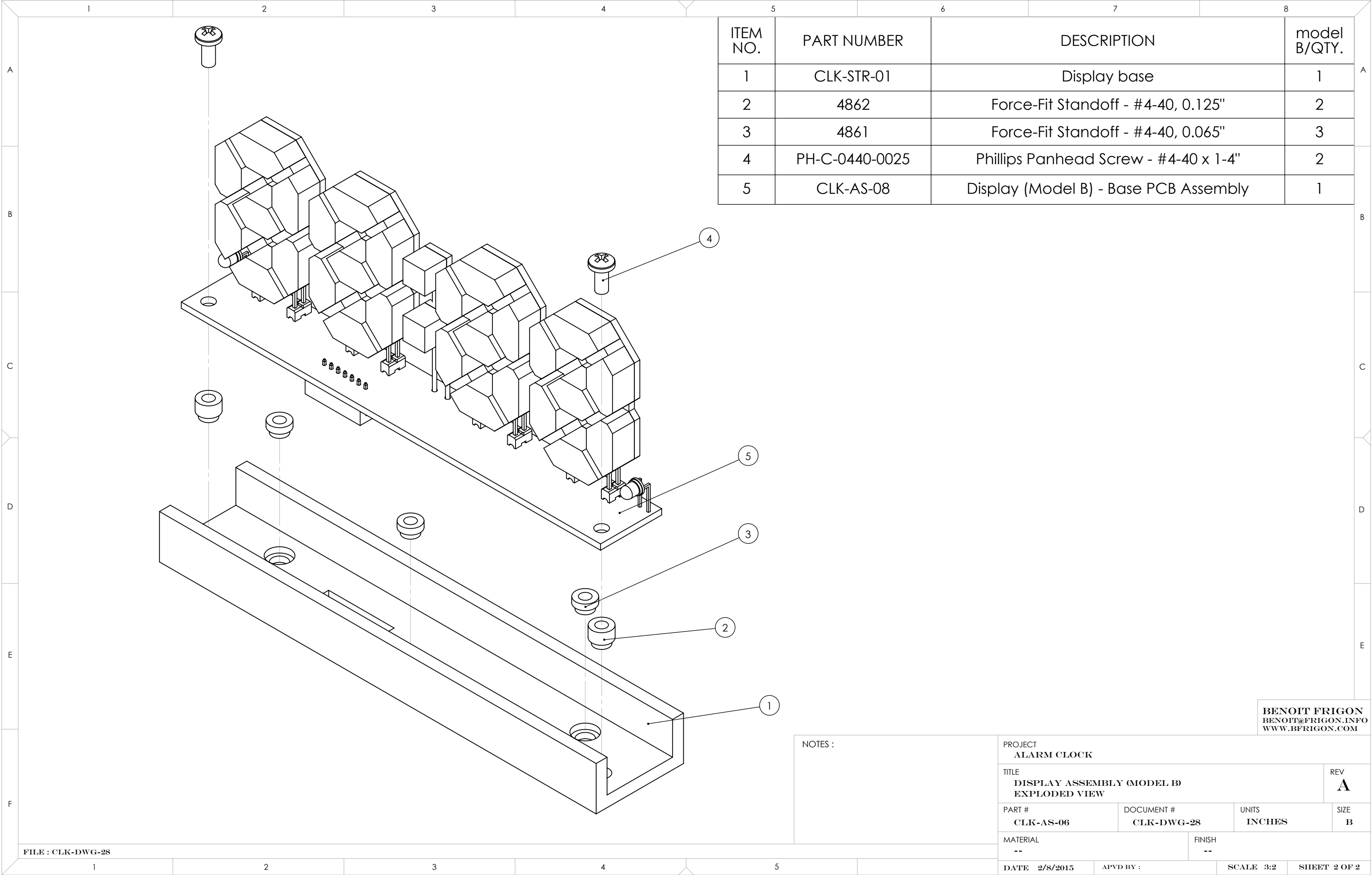
DATE	2/8/2015
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APVD BY :

SCALE 3:2

SHEET 1 OF 1



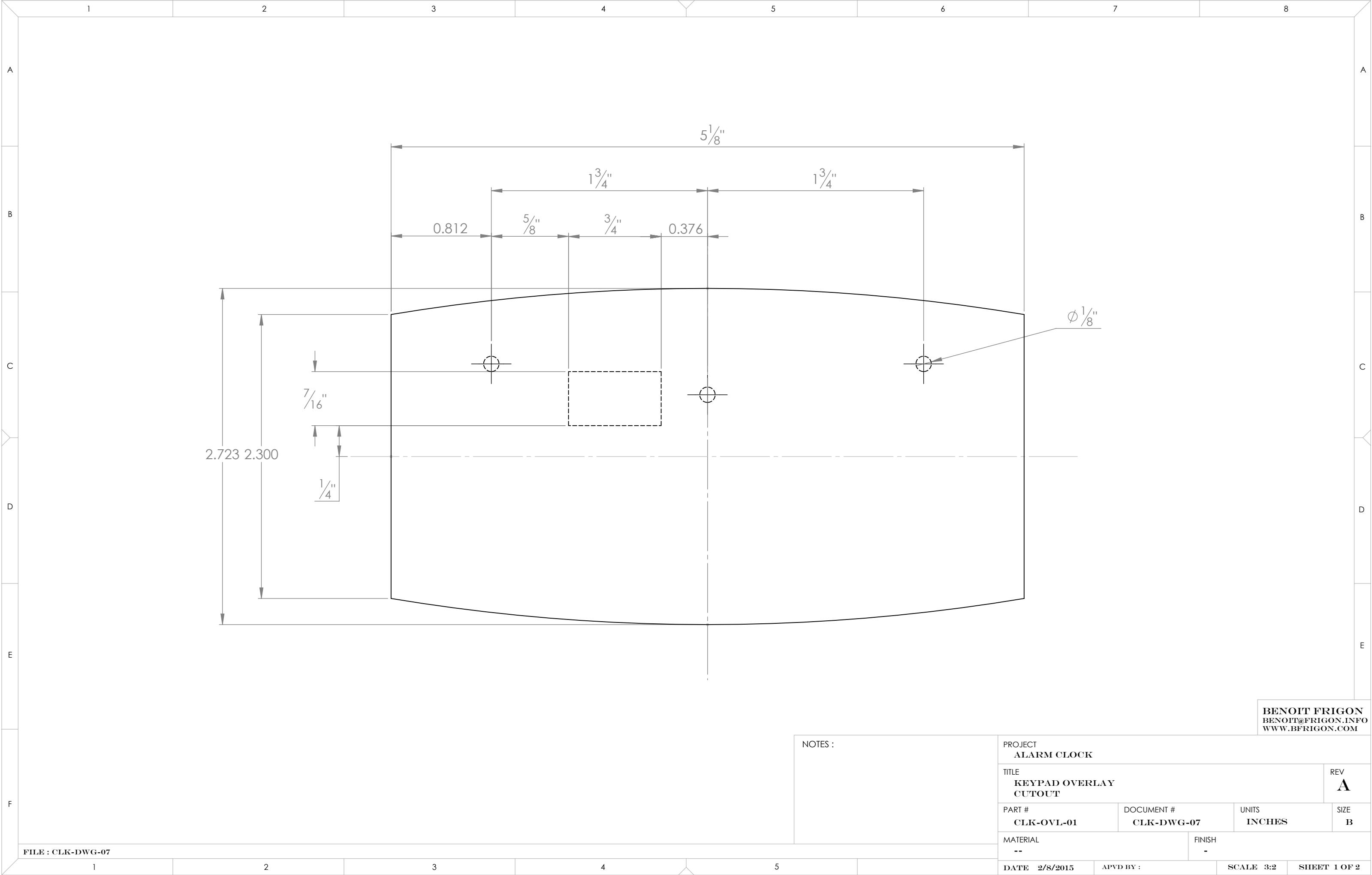


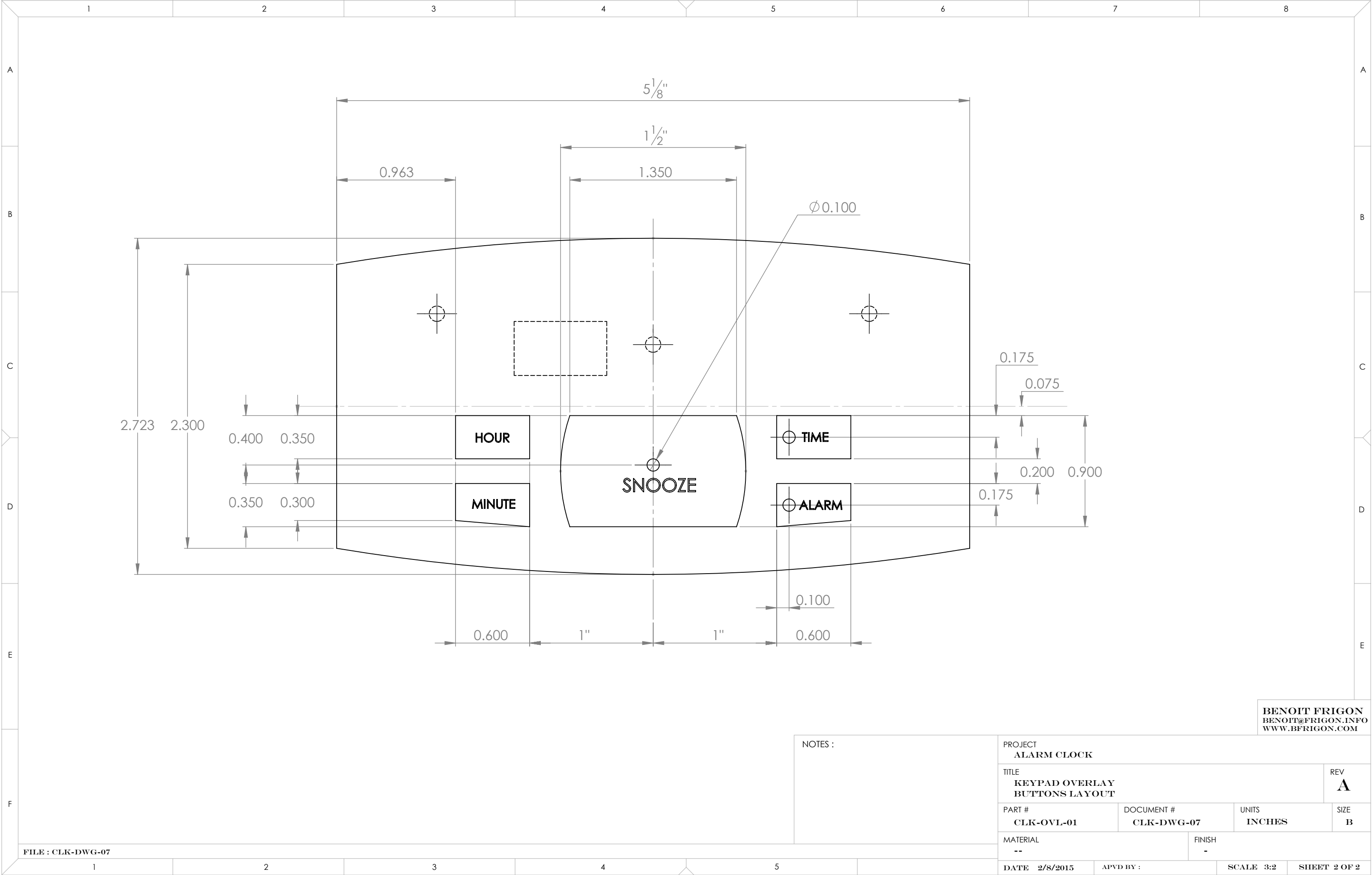
ITEM NO.	PART NUMBER	DESCRIPTION	model B/QTY.
1	CLK-STR-01	Display base	1
2	4862	Force-Fit Standoff - #4-40, 0.125"	2
3	4861	Force-Fit Standoff - #4-40, 0.065"	3
4	PH-C-0440-0025	Phillips Panhead Screw - #4-40 x 1-4"	2
5	CLK-AS-08	Display (Model B) - Base PCB Assembly	1

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NOTES :

PROJECT ALARM CLOCK			
TITLE DISPLAY ASSEMBLY (MODEL B) EXPLODED VIEW			REV A
PART # CLK-AS-06	DOCUMENT # CLK-DWG-28	UNITS INCHES	SIZE B
MATERIAL --		FINISH --	
DATE 2/8/2015	APVD BY :	SCALE 3:2	SHEET 2 OF 2





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NOTES :

PROJECT
ALARM CLOCK

TITLE
KEYPAD OVERLAY
BUTTONS LAYOUT

REV
A

PART #
CLK-OVL-01

DOCUMENT #
CLK-DWG-07

UNITS
INCHES

SIZE
B

MATERIAL
--

FINISH
-

FILE : CLK-DWG-07

DATE 2/8/2015

APVD BY :

SCALE 3:2

SHEET 2 OF 2

