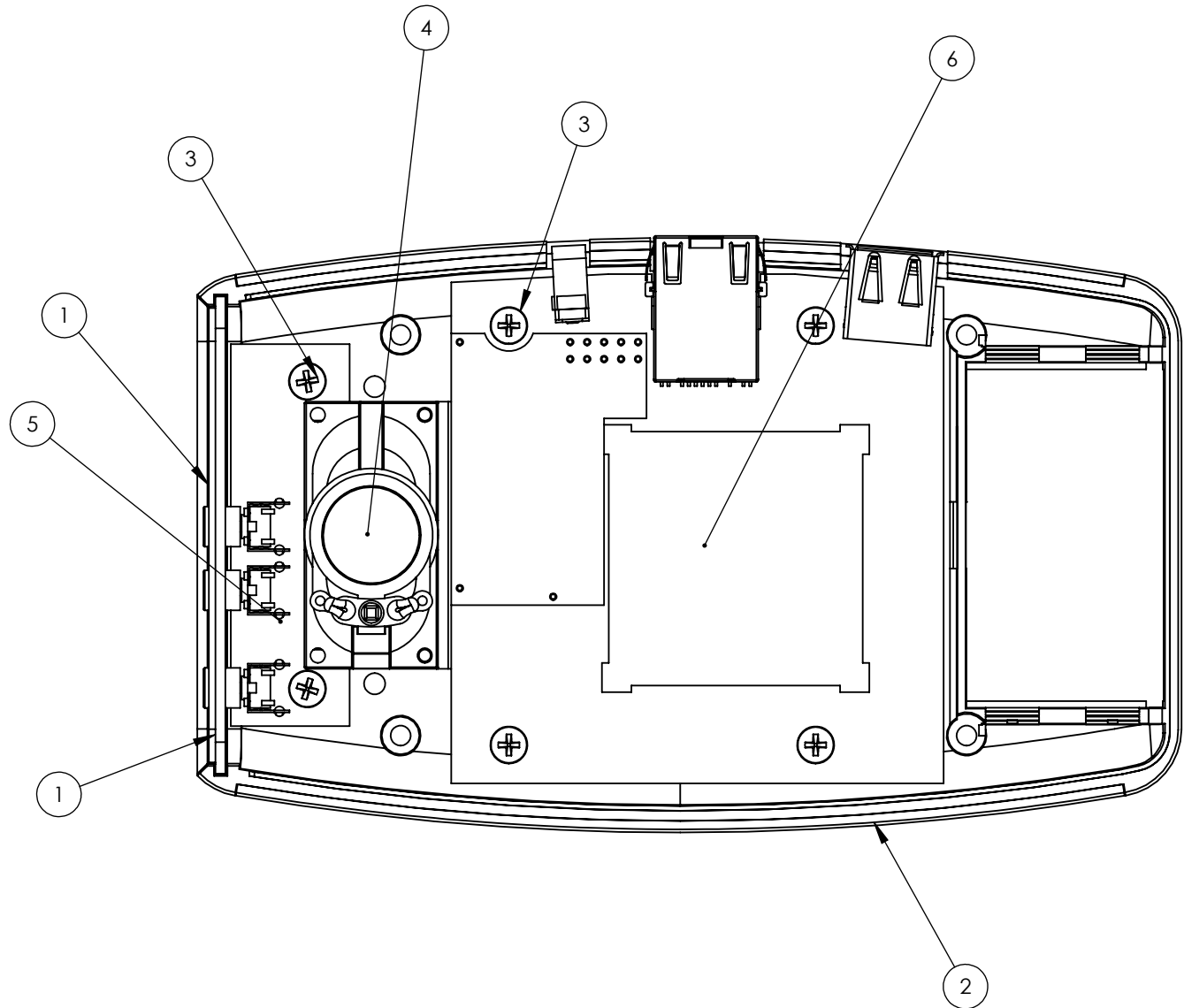
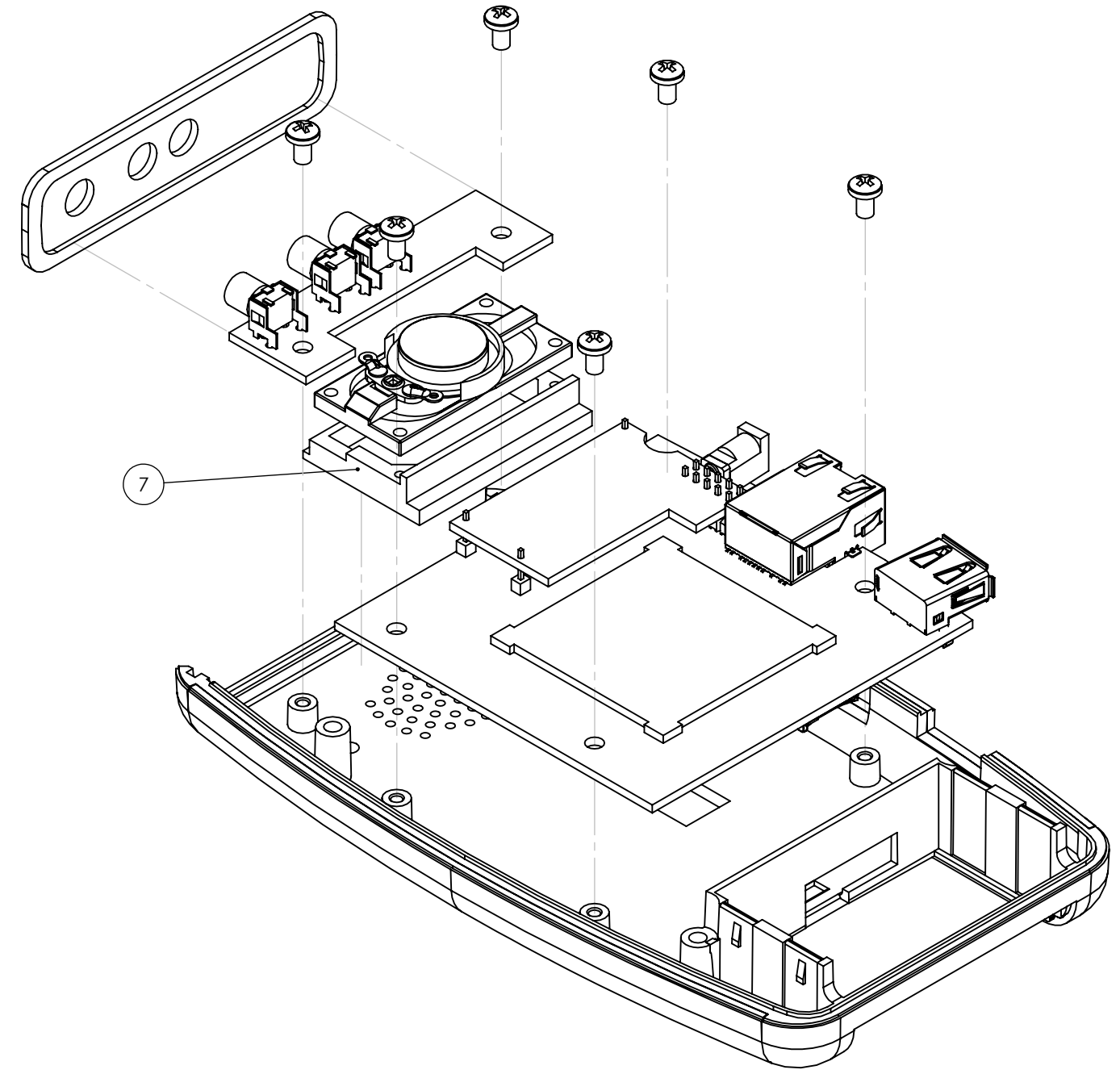


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NOTES :

PROJECT ALARM CLOCK			
TITLE FINAL ASSEMBLY (MODEL B) DIMENSIONS			REV A
PART # --	DOCUMENT # CLK-DWG-30	UNITS INCHES IMM1	SIZE B
MATERIAL --		FINISH --	
DATE 4/22/2015	APVD BY :	SCALE 3:4	SHEET 1 OF 6

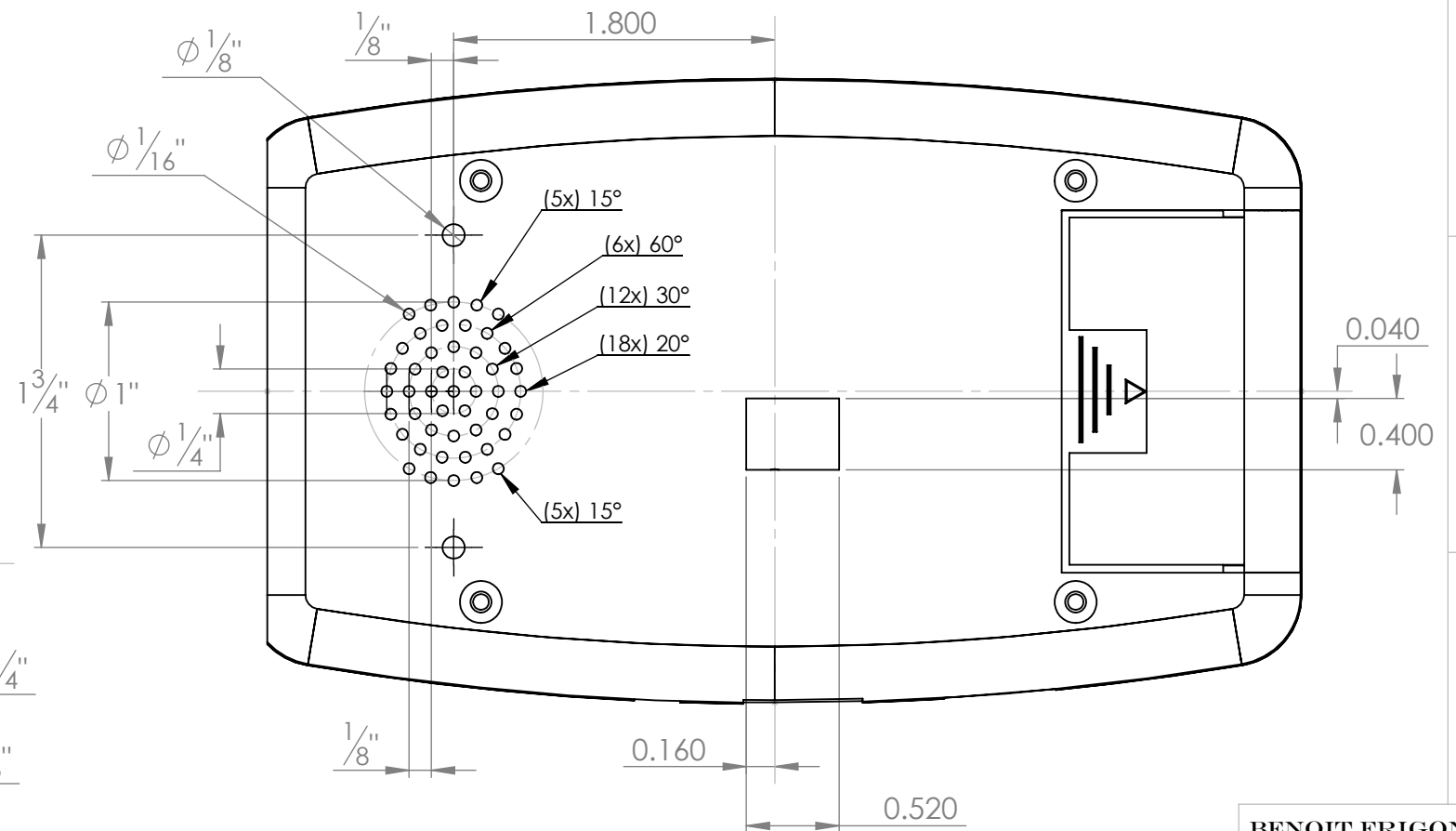
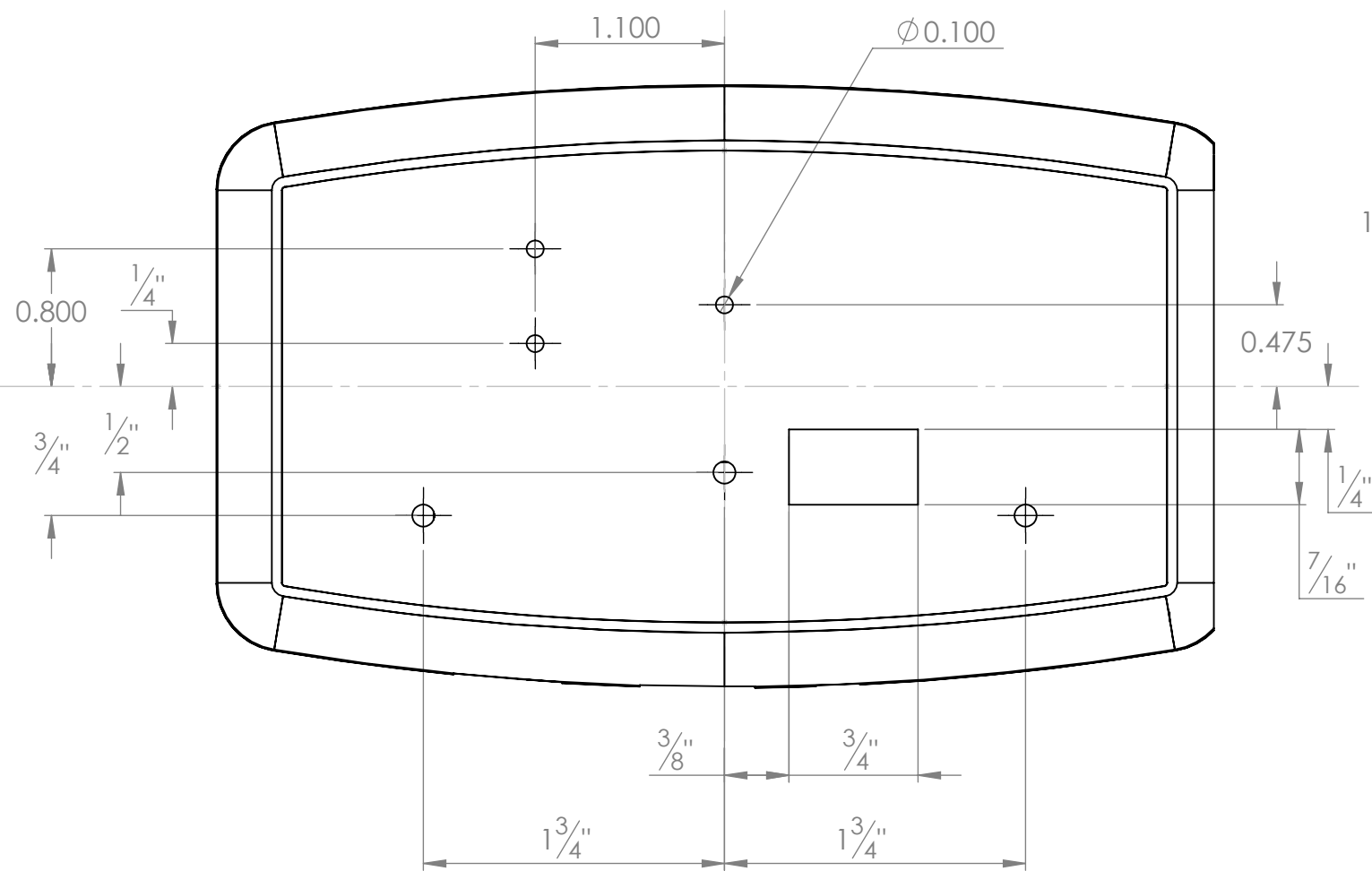
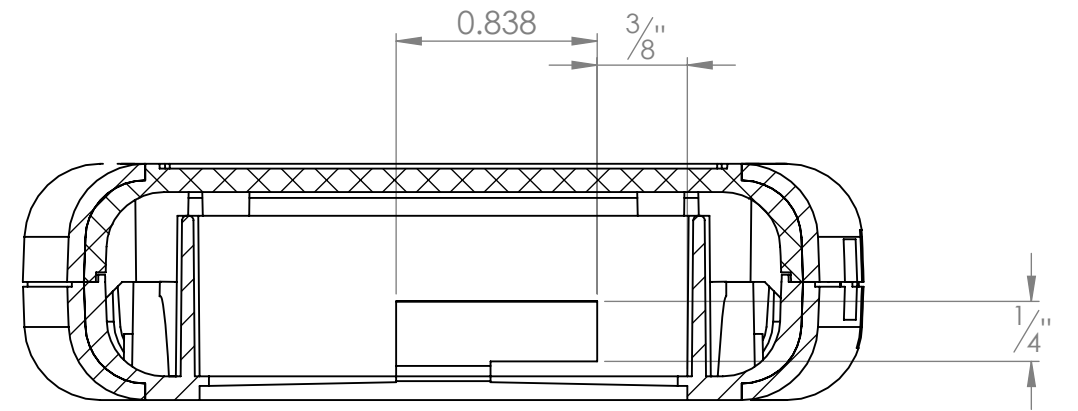
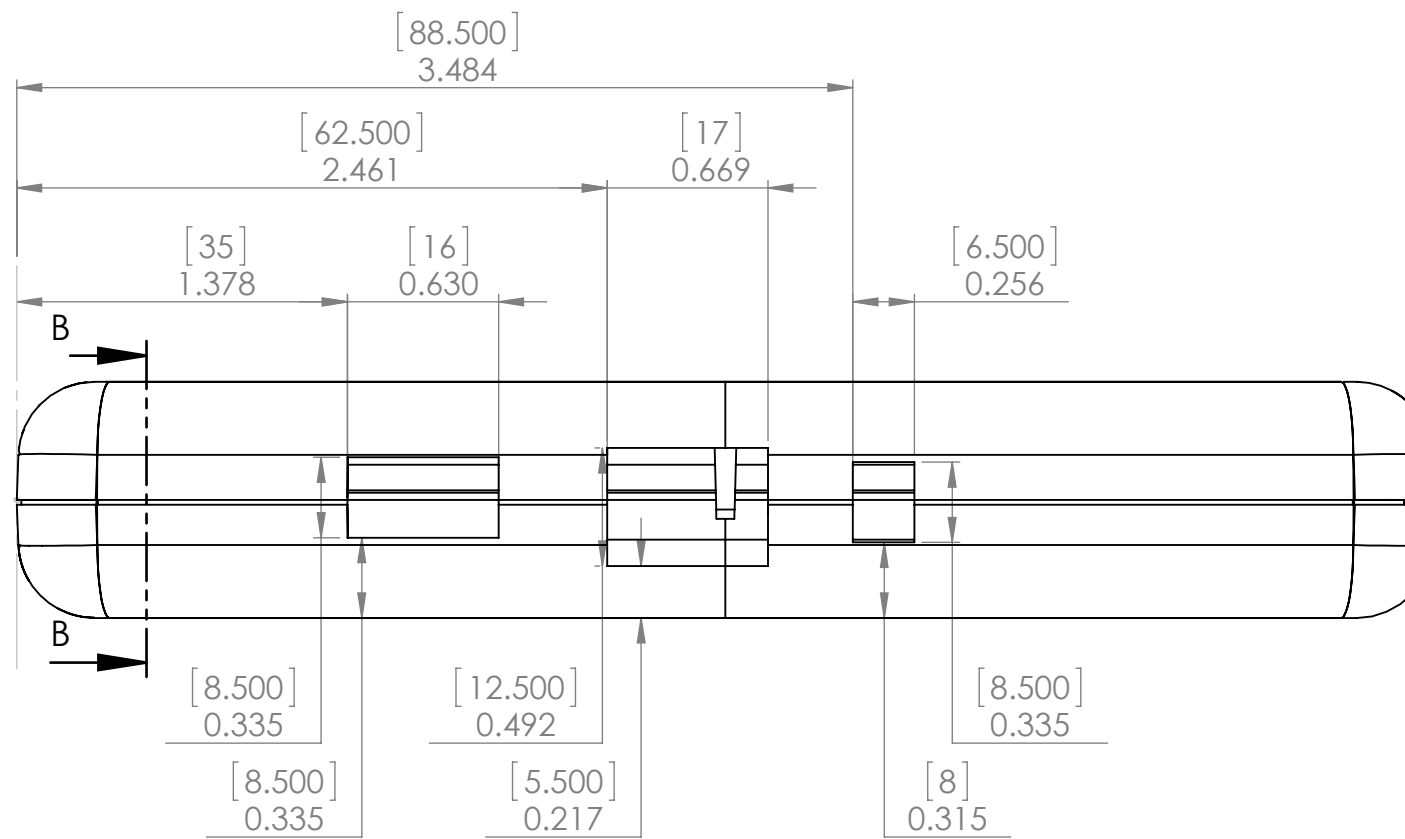
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1553DBKBAT	ABS Box 5.80X3.50X0.98" Black (End panel)	1
2	1553DBKBAT	ABS Box 5.80X3.50X0.98" Black (Bottom panel)	1
3	PH-C-0440-0019	Phillips Panhead Screw - #4-40 x 3-16"	6
4	AS04008CO-2-R	Speaker 8 ohm 1.5W	1
5	CLK-AS-04	Left panel PCB assembly	1
6	CLK-AS-05	Controller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



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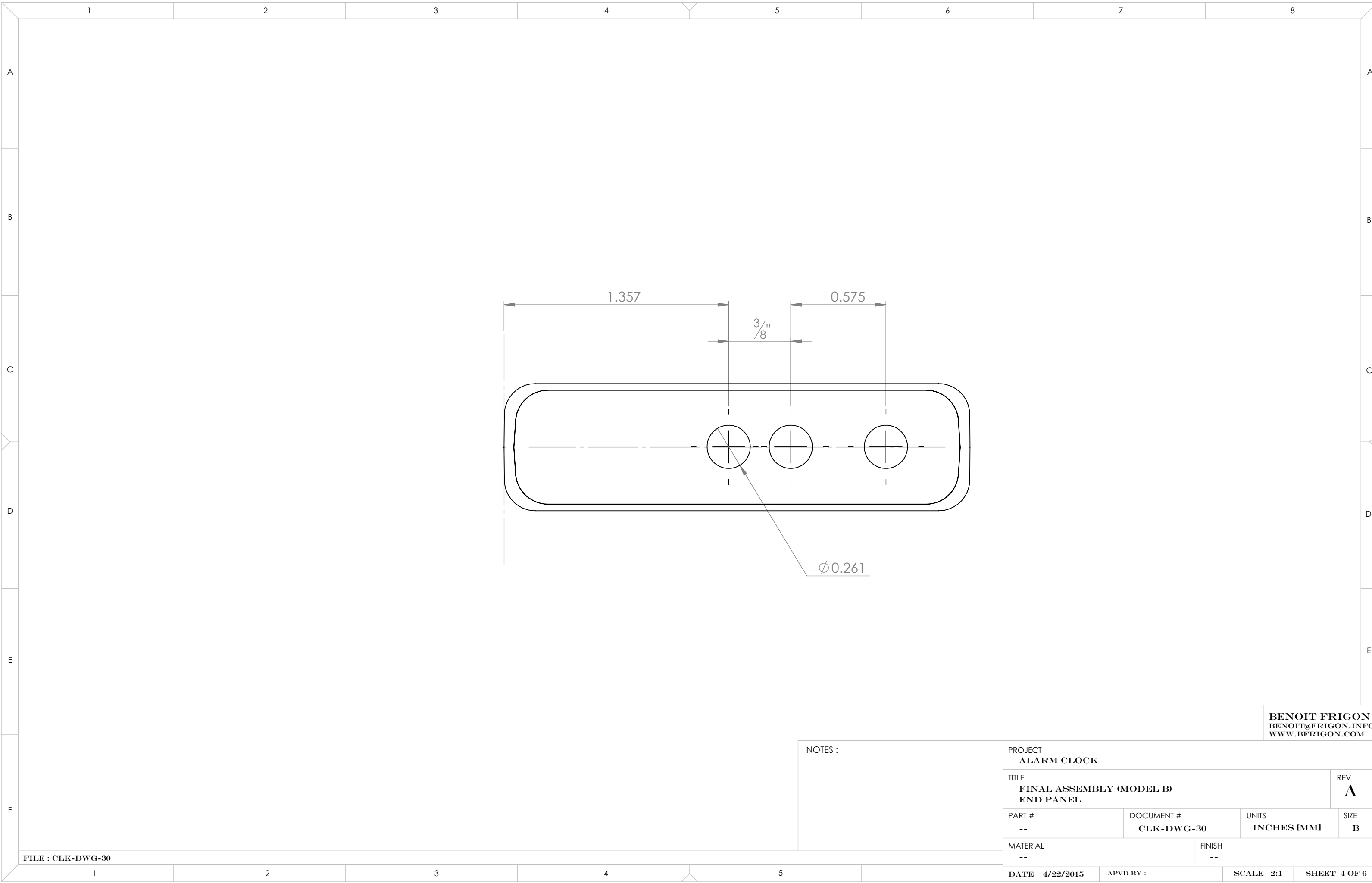
NOTES :

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 4/22/2015	APVD BY :	SCALE 1:1	SHEET 2 OF 6



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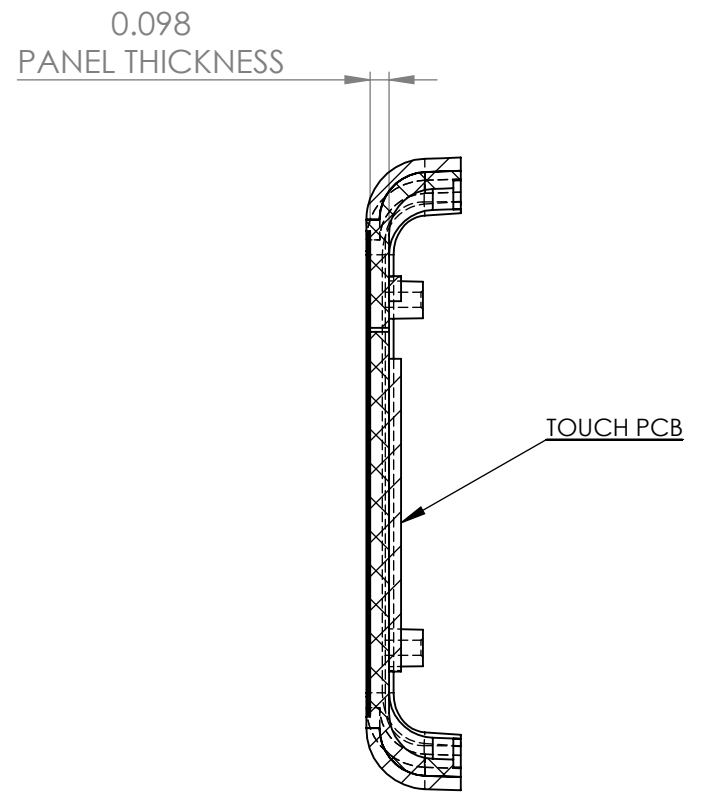
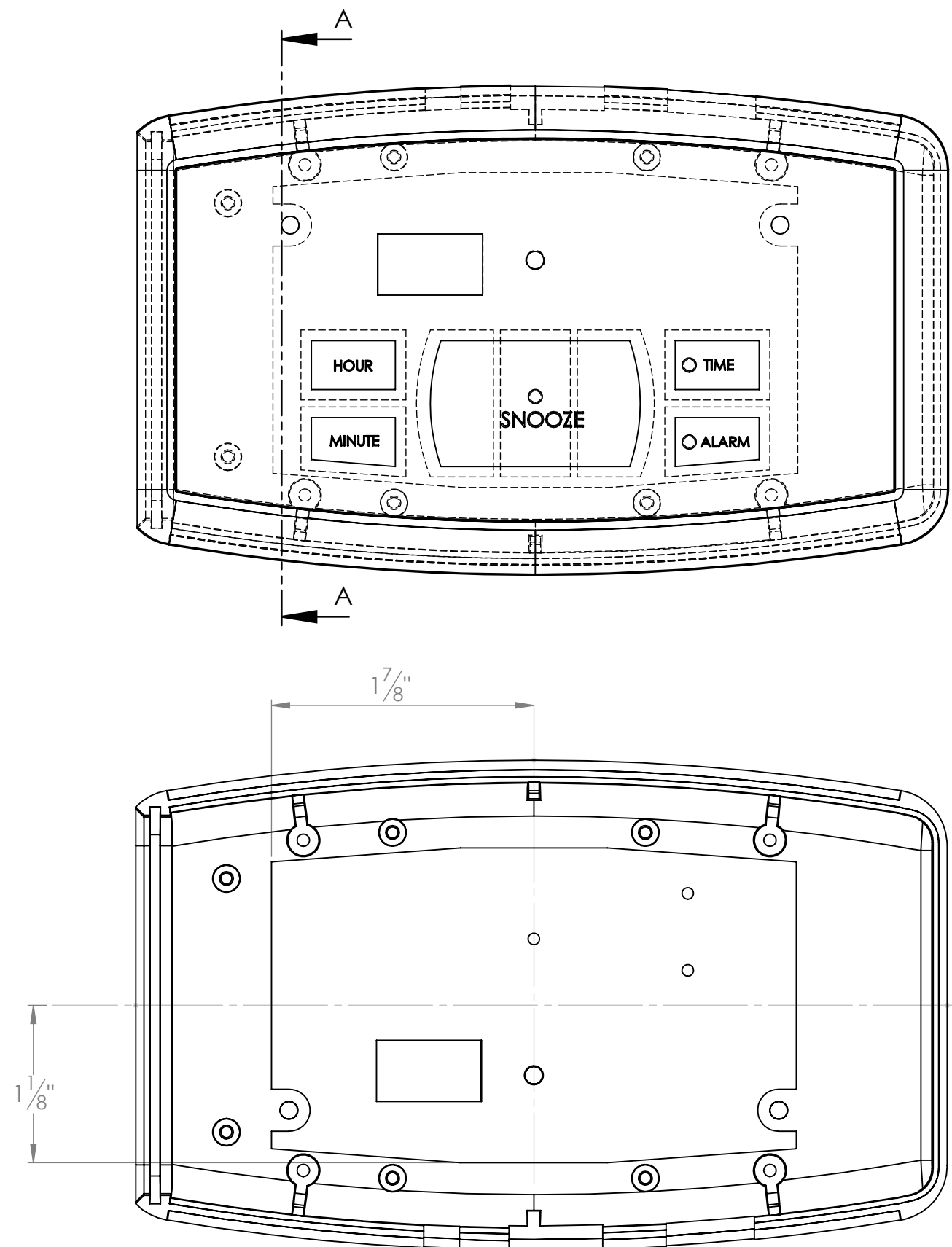
NOTES :		PROJECT ALARM CLOCK		REV A
		TITLE FINAL ASSEMBLY (MODEL B) 1553D CASE MODIFICATIONS		
PART # --	DOCUMENT # CLK-DWG-30	UNITS INCHES IMM1	SIZE B	
MATERIAL --		FINISH --		
DATE 4/22/2015	APVD BY :	SCALE 1:1	SHEET 3 OF 6	



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NOTES :

PROJECT ALARM CLOCK			
TITLE FINAL ASSEMBLY (MODEL B) END PANEL			REV A
PART # --	DOCUMENT # CLK-DWG-30	UNITS INCHES IMM	SIZE B
MATERIAL --		FINISH --	
DATE 4/22/2015	APVD BY :	SCALE 2:1	SHEET 4 OF 6

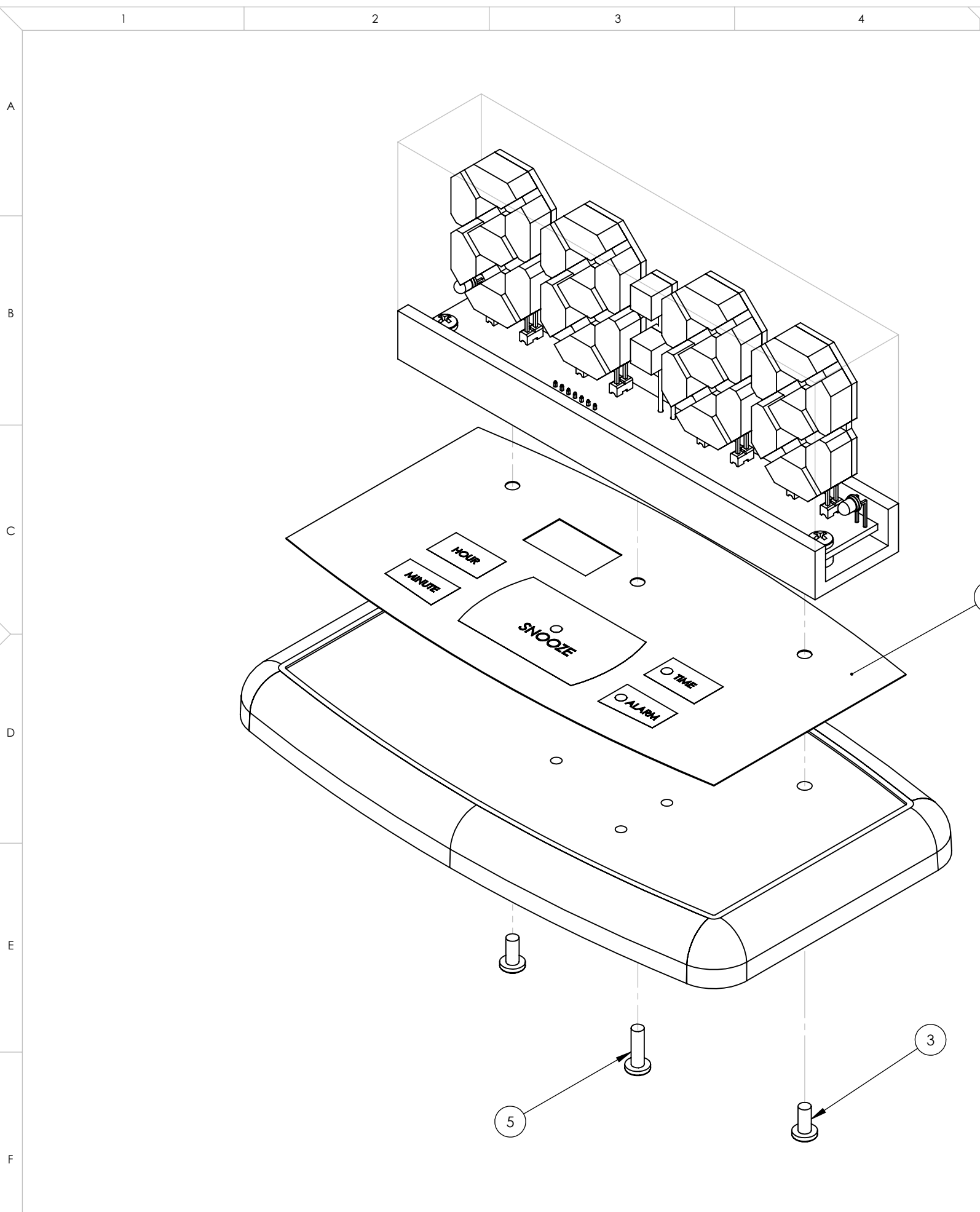


SECTION A-A

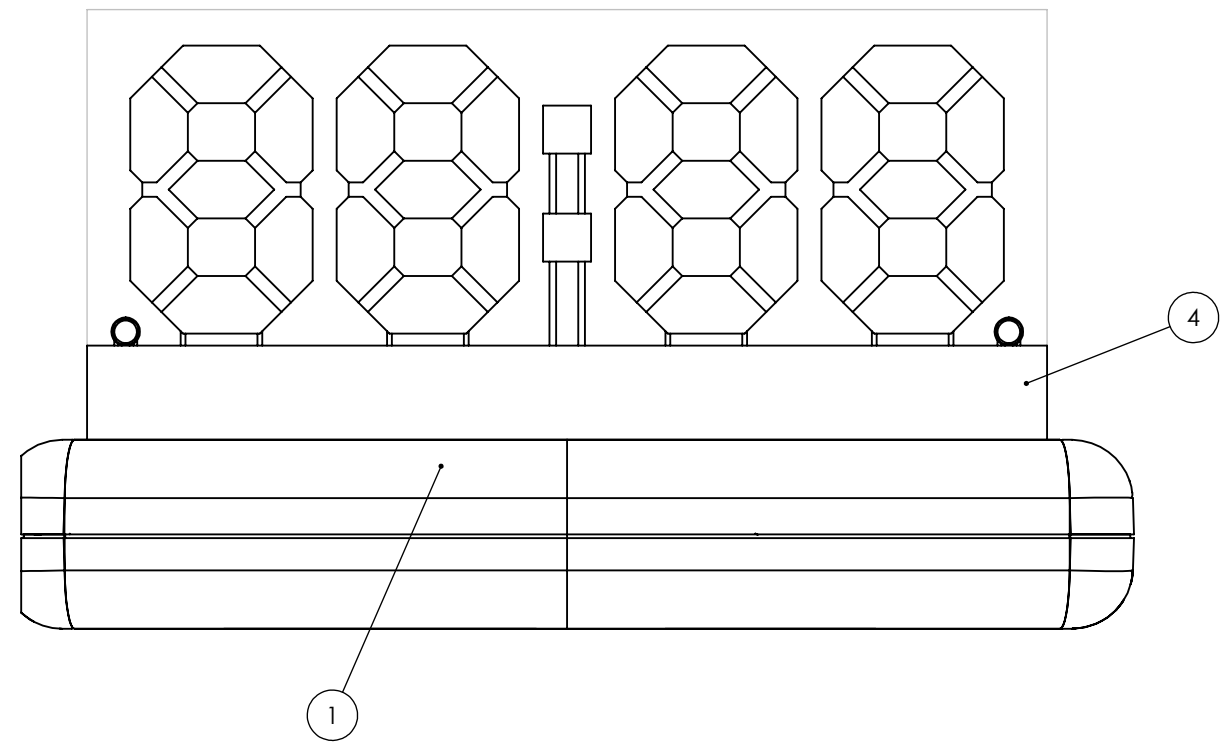
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NOTES :

PROJECT ALARM CLOCK			
TITLE FINAL ASSEMBLY (MODEL B) TOUCH PCB			REV A
PART # --	DOCUMENT # CLK-DWG-30	UNITS INCHES IMM1	SIZE B
MATERIAL --		FINISH --	
DATE 4/22/2015	APVD BY :	SCALE 1:1	SHEET 5 OF 6



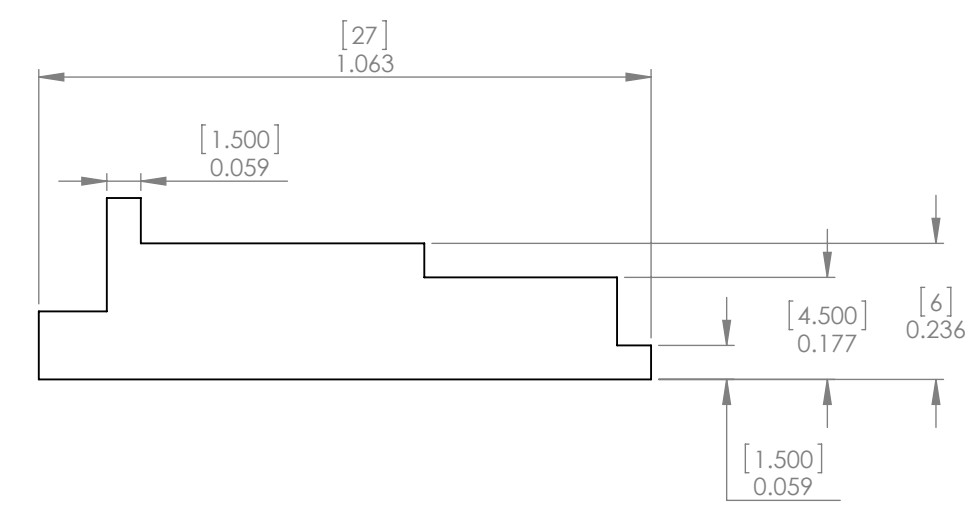
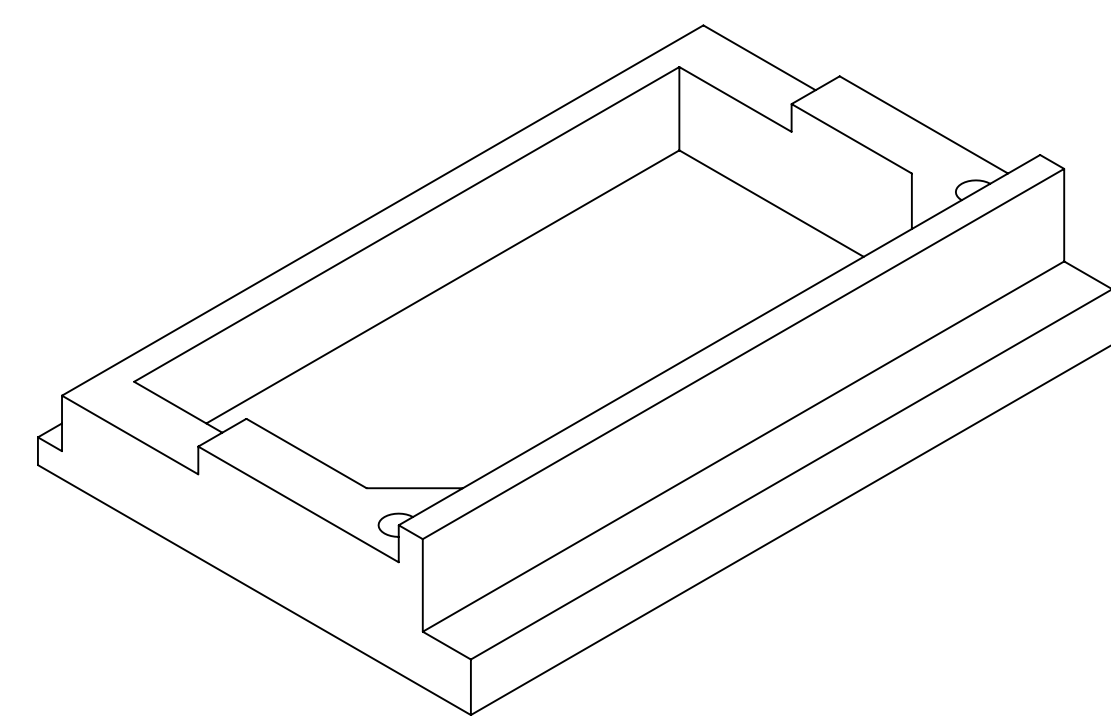
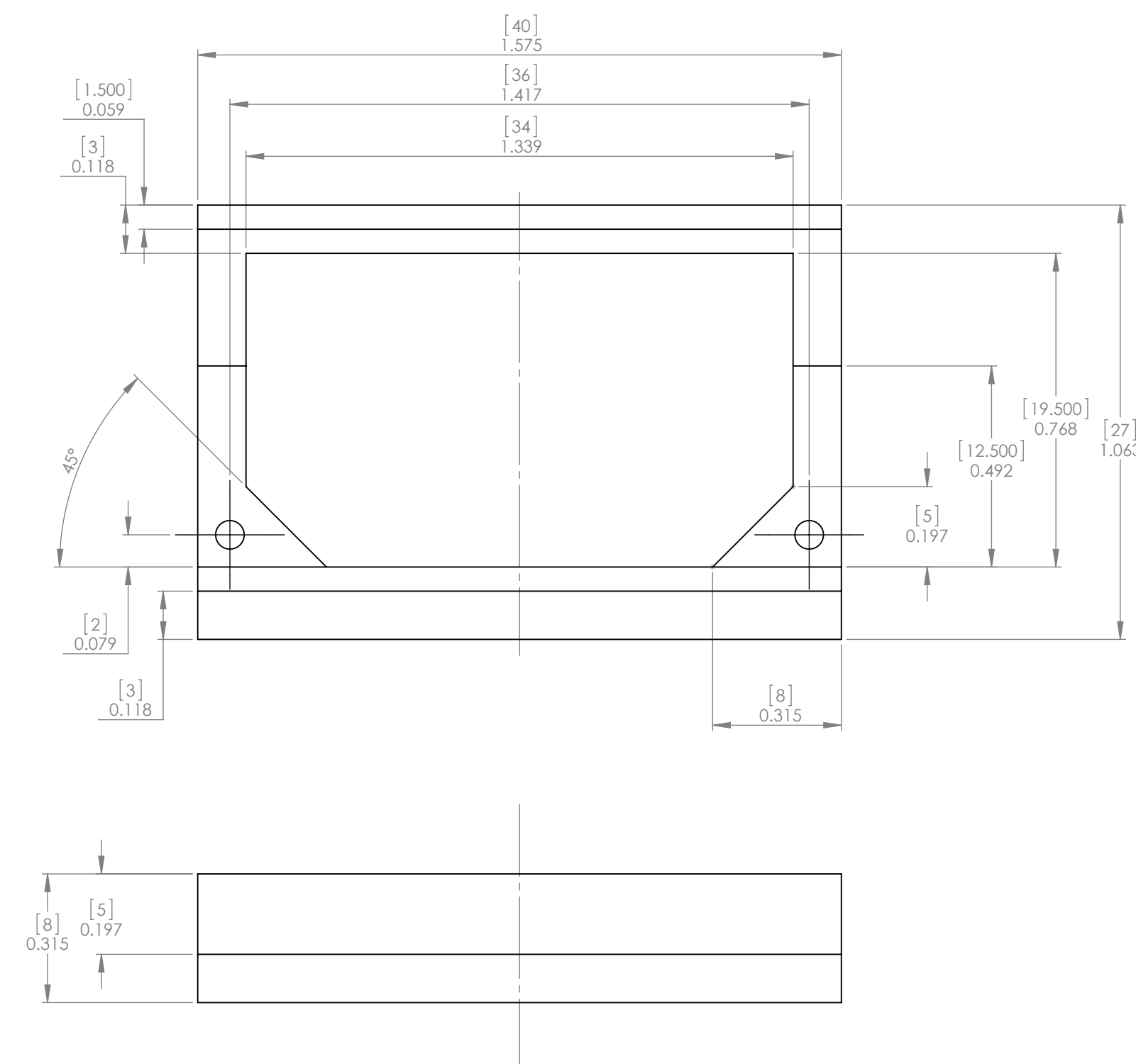
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1553DBKBAT	ABS Box 5.80X3.50X0.98" Black (Top panel)	1
2	CLK-OVL-01	Keypad overlay	1
3	PH-C-0440-0025	Phillips Panhead Screw - #4-40 x 1-4"	2
4	CLK-AS-06	Display Assembly (Model B)	1
5	PH-C-0440-0038	Phillips Panhead Screw - #4-40 x 3-8"	1



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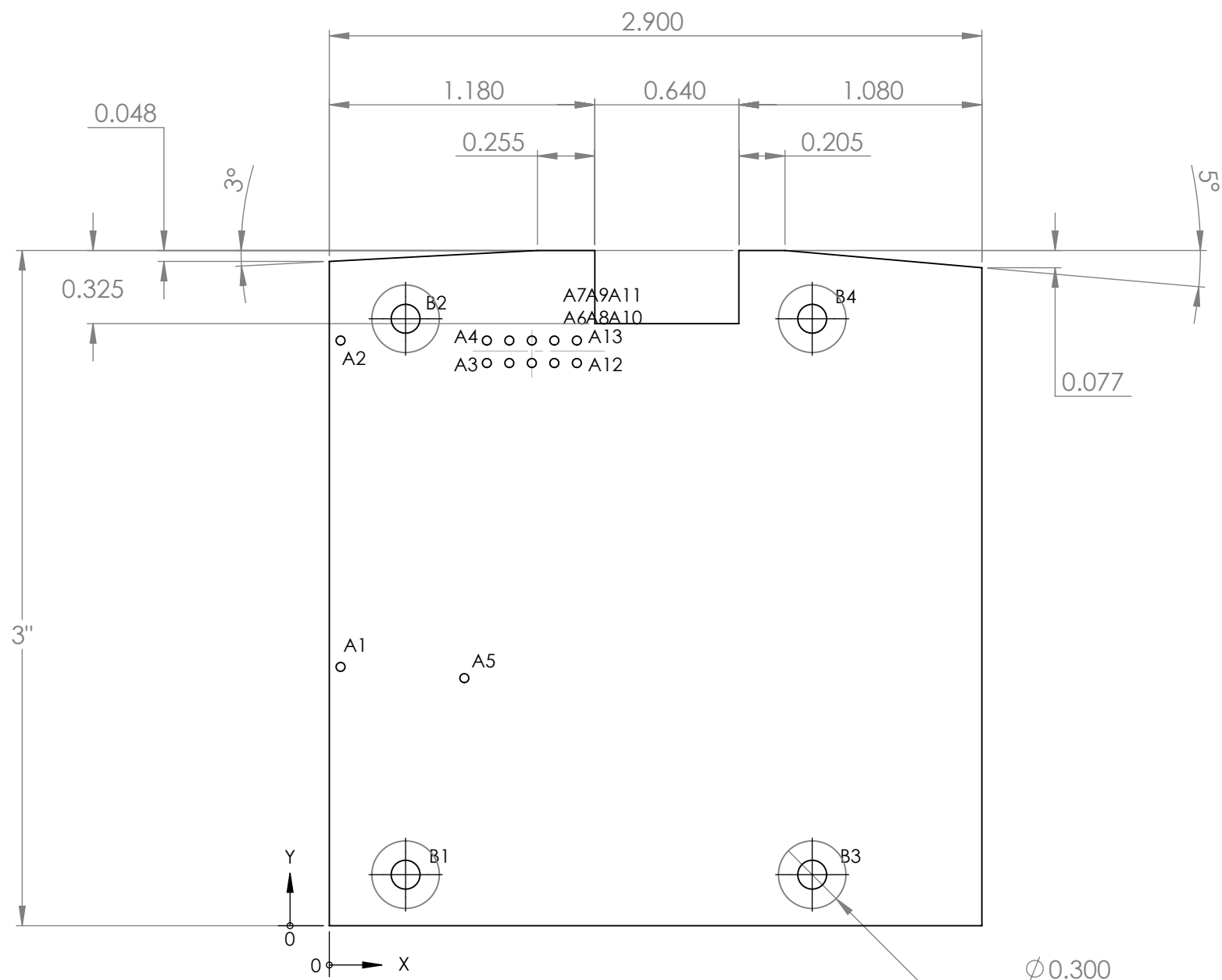
NOTES :

PROJECT ALARM CLOCK			
TITLE FINAL ASSEMBLY (MODEL B) DISPLAY			REV A
PART # --	DOCUMENT # CLK-DWG-30	UNITS INCHES IMM1	SIZE B
MATERIAL --		FINISH --	
DATE 4/22/2015	APVD BY :	SCALE 1:1	SHEET 6 OF 6



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NOTES :		PROJECT ALARM CLOCK			
WALL THICKNESS : 1.5MM		TITLE SPEAKER HOLDER DIMENSIONS			REV A
EPOXY MIX: 25% CORNSTARCH, 75% CLEAR EPOXY		PART # CLK-STR-02	DOCUMENT # CLK-DWG-11	UNITS INCHES IMM	SIZE B
MATERIAL TRANSLUCENT WHITE EPOXY				FINISH -	
DATE 2/8/2015	APVD BY :	SCALE 3:1	SHEET 1 OF 1		



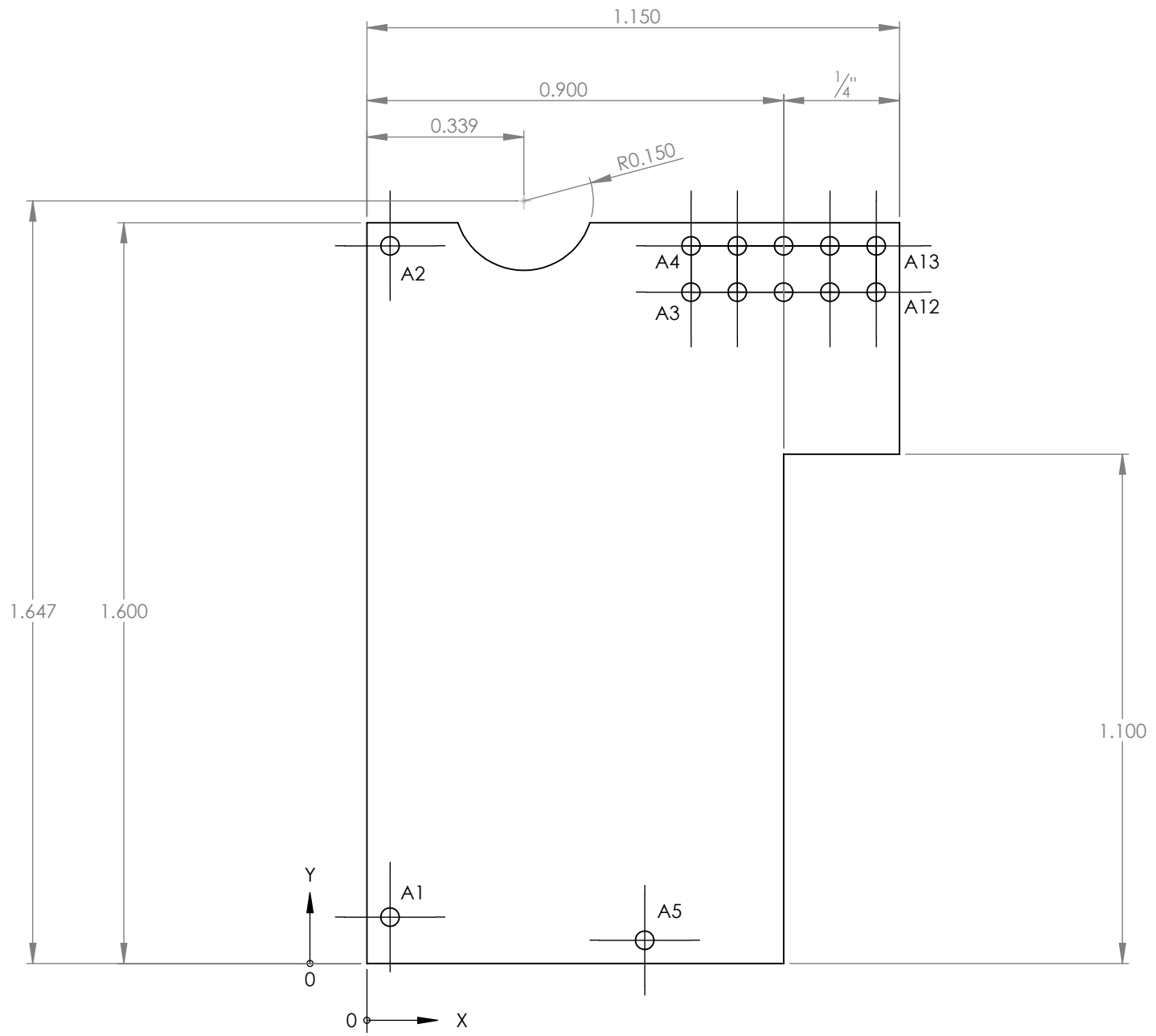
Ø 0.300
MIN. CLEARANCE

TAG	X LOC	Y LOC	SIZE
A1	0.05	1.15	Ø 0.040 ▽ 0.380
A2	0.05	2.60	
A3	0.70	2 1/2"	
A4	0.70	2.60	
A5	0.60	1.10	
A6	0.80	2 1/2"	
A7	0.80	2.60	
A8	0.90	2 1/2"	
A9	0.90	2.60	
A10	1"	2 1/2"	
A11	1"	2.60	
A12	1.10	2 1/2"	
A13	1.10	2.60	
B1	0.34	0.23	Ø 0.129 THRU ALL
B2	0.34	2.70	
B3	2.15	0.23	
B4	2.15	2.70	

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NOTES :

PROJECT ALARM CLOCK			
TITLE MOTHERBOARD DIMENSIONS			REV A
PART # CLK-PC-03	DOCUMENT # CLK-DWG-03	UNITS INCHES	SIZE B
MATERIAL PCB FR-4		FINISH -	
DATE 3/21/2015	APVD BY :	SCALE 3:2	SHEET 1 OF 1

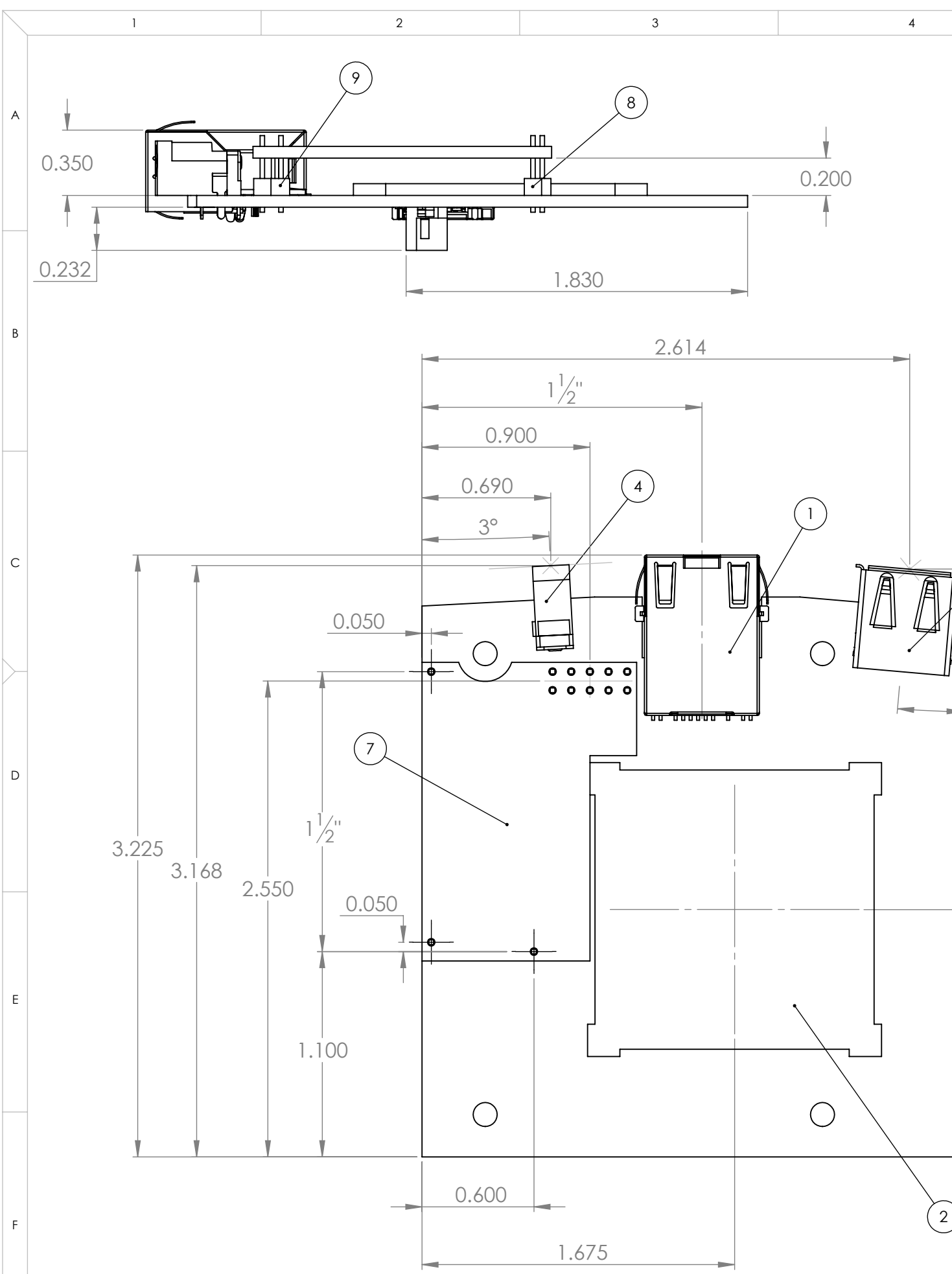


TAG	X LOC	Y LOC	SIZE
A1	0.050	0.100	Ø 0.040 THRU ALL
A2	0.050	1.550	
A3	0.700	1.450	
A4	0.700	1.550	
A5	0.600	0.050	
A6	0.800	1.450	
A7	0.800	1.550	
A8	0.900	1.450	
A9	0.900	1.550	
A10	1"	1.450	
A11	1"	1.550	
A12	1.100	1.450	
A13	1.100	1.550	

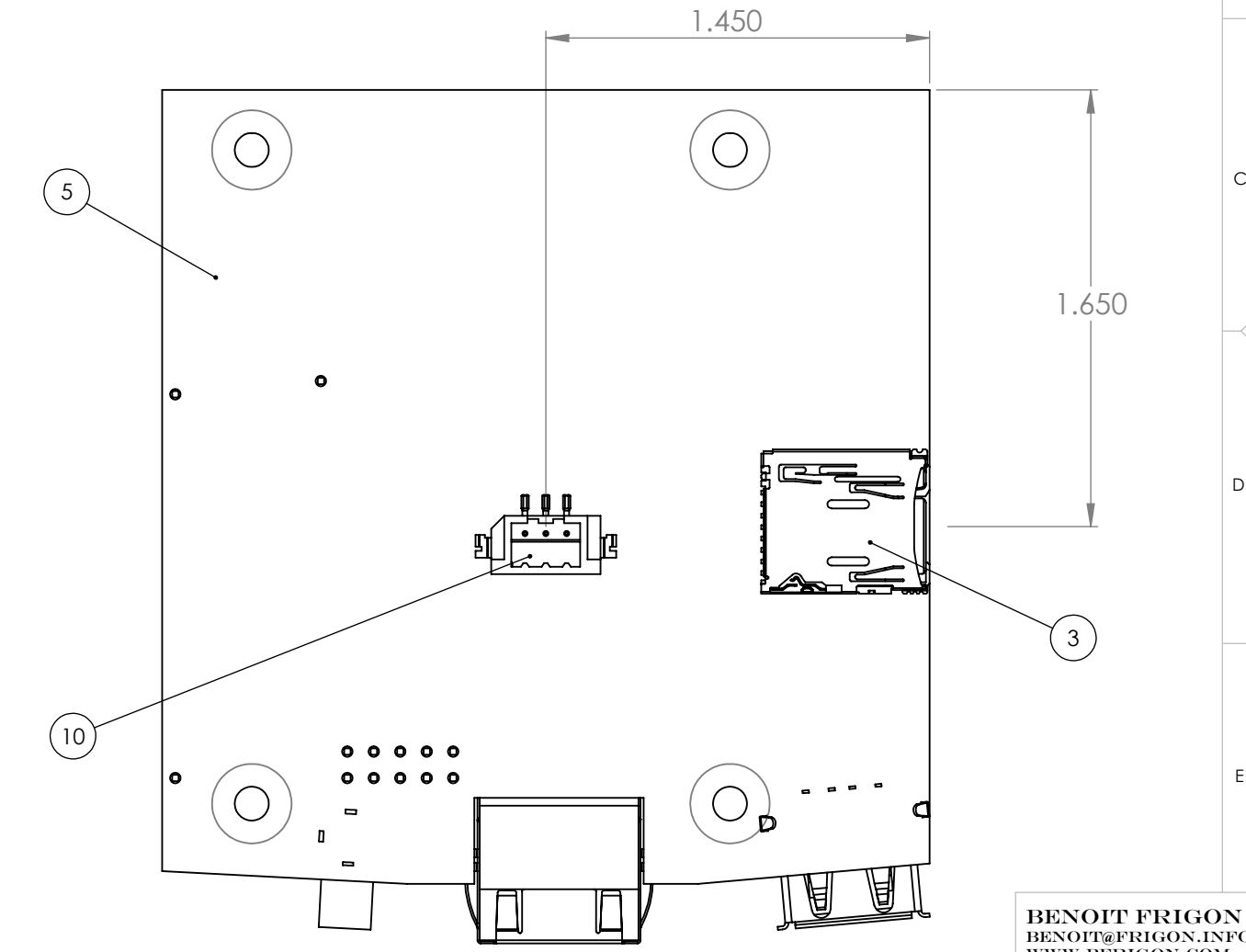
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NOTES :

PROJECT ALARM CLOCK			
TITLE BATTERY INTERFACE PCB DIMENSIONS			REV A
PART # CLK-PC-08	DOCUMENT # CLK-DWG-12	UNITS INCHES	SIZE B
MATERIAL PCB FR4		FINISH -	
DATE 4/12/2015	APVD BY :	SCALE 3:1	SHEET 1 OF 1



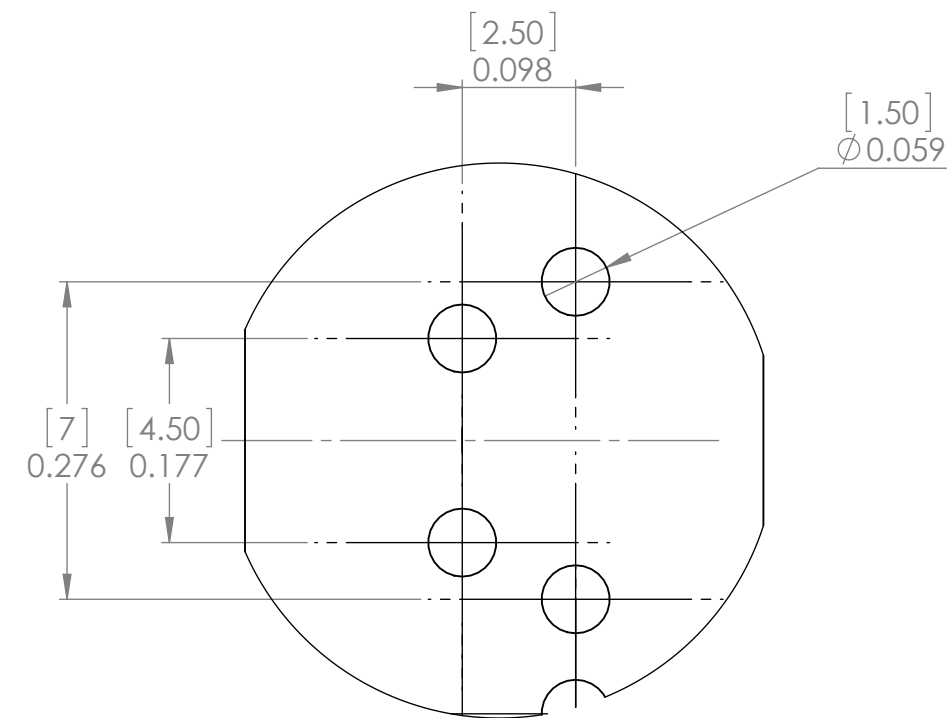
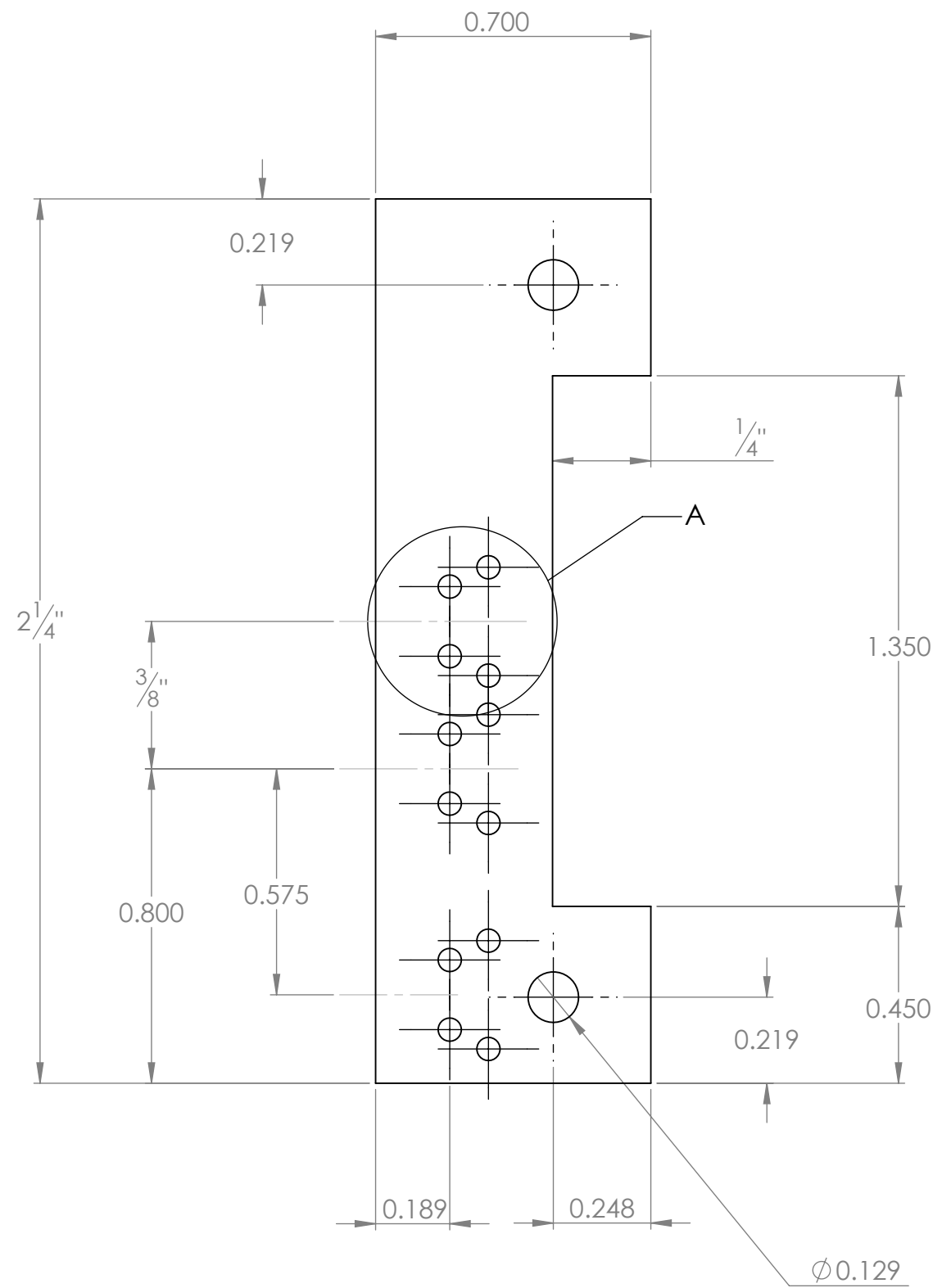
ITEM NO.	PART NUMBER	MFG	DESCRIPTION	QTY.
1	7498011122R	Würth Electronics	Modular connector - RJ45 - w/ magnetics	1
2	Aria G25	ACME Systems	ARM System-On-Module	1
3	DM3AT-SF-PEJM5	Hirose Electric	Micro SD card connector	1
4	PJ-031CH	CUI inc	DC barrel jack - 1.1mm I.D / 3.5 mm O.D	1
5	CLK-PC-03		Controller 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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NOTES :

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



DETAIL A
SCALE 6 : 1

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NOTES :

PROJECT
ALARM CLOCK

TITLE
PCB - LEFT PANEL
DIMENSIONS

REV
A

PART #
CLK-PC-04

DOCUMENT #
CLK-DWG-05

UNITS
INCHES IMM1

SIZE
B

MATERIAL
PCB FR-4

FINISH
-

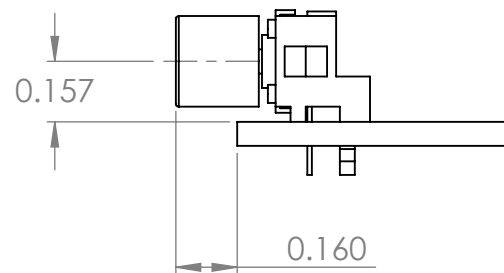
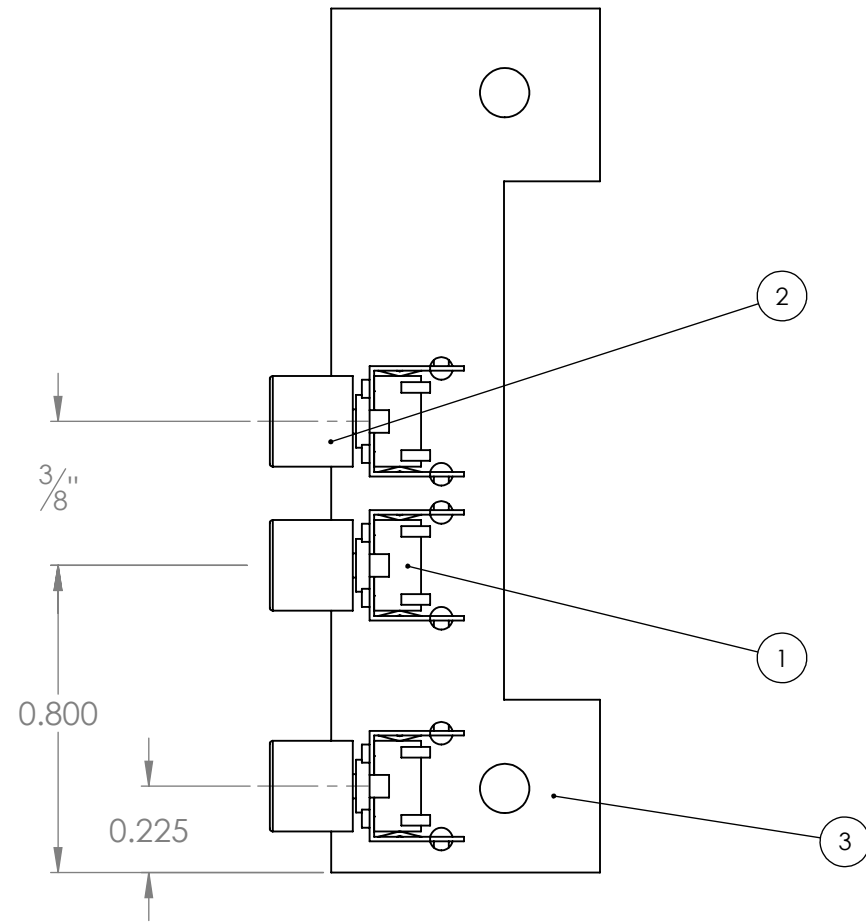
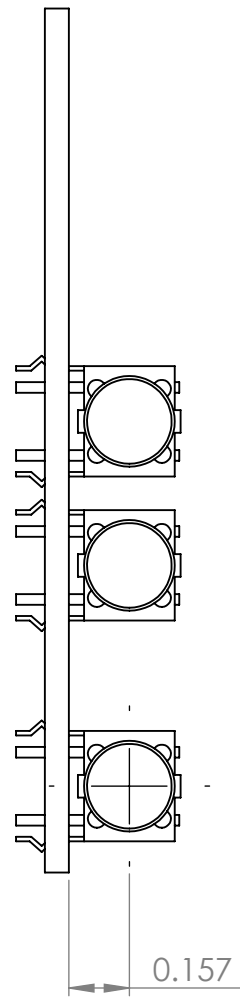
DATE 3/21/2015

APVD BY :

SCALE 5:2

SHEET 1 OF 1

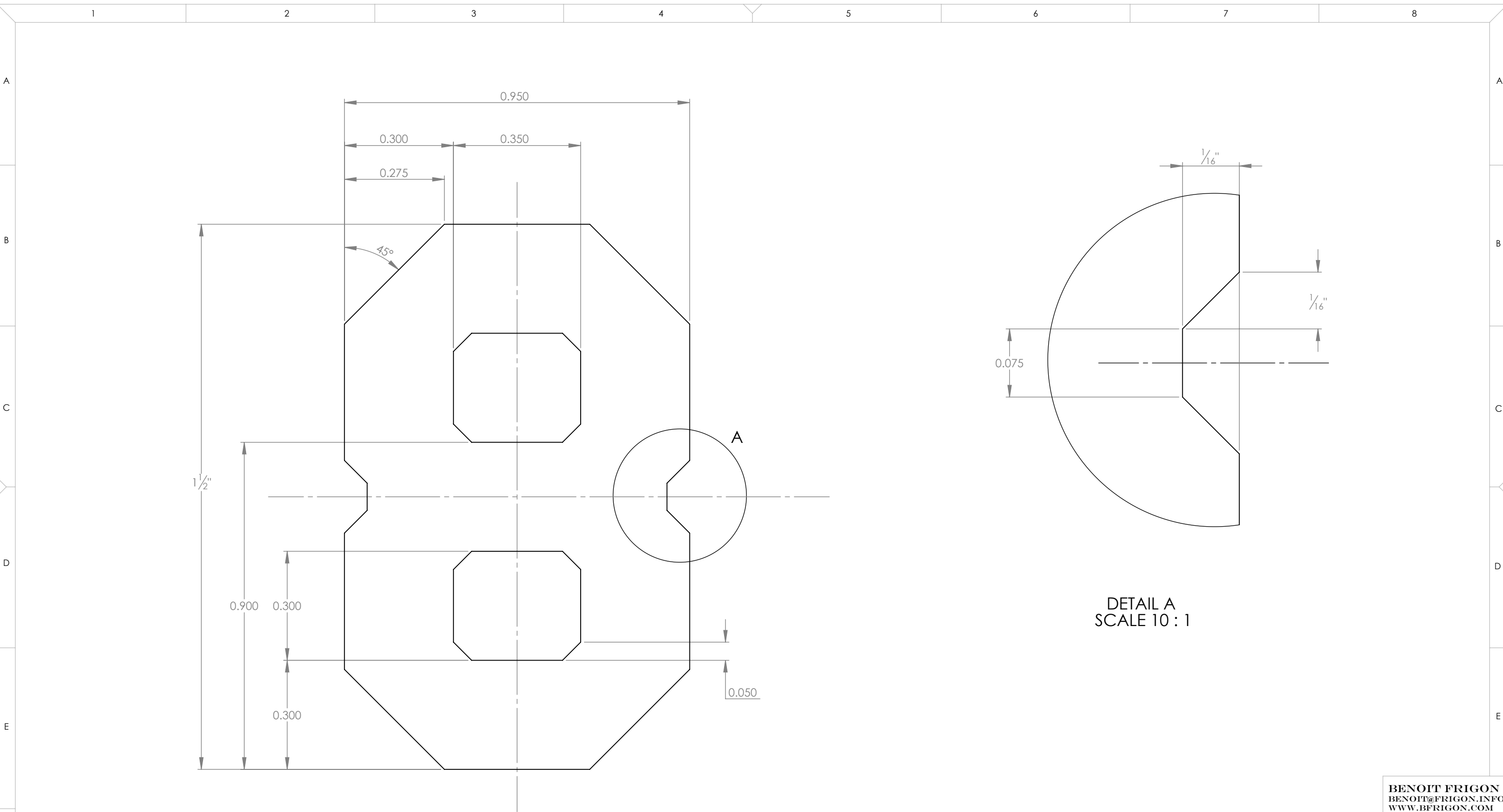
ITEM NO.	PART NUMBER	CompanyName	DESCRIPTION	QTY.
1	B3F_3150	Omron	Tactile switch R/A - SPST	3
2	B32-2010	Omron	6mm Round Keycap for B3F - Black	3
3	CLK-PC-04		Left panel PCB	1



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NOTES :

PROJECT ALARM CLOCK			
TITLE LEFT PANEL PCB ASSEMBLY COMPONENTS LAYOUT			REV A
PART # CLK-AS-04	DOCUMENT # CLK-DWG-21	UNITS INCHES	SIZE B
MATERIAL --		FINISH --	
DATE 2/8/2015	APVD BY :	SCALE 2:1	SHEET 1 OF 1

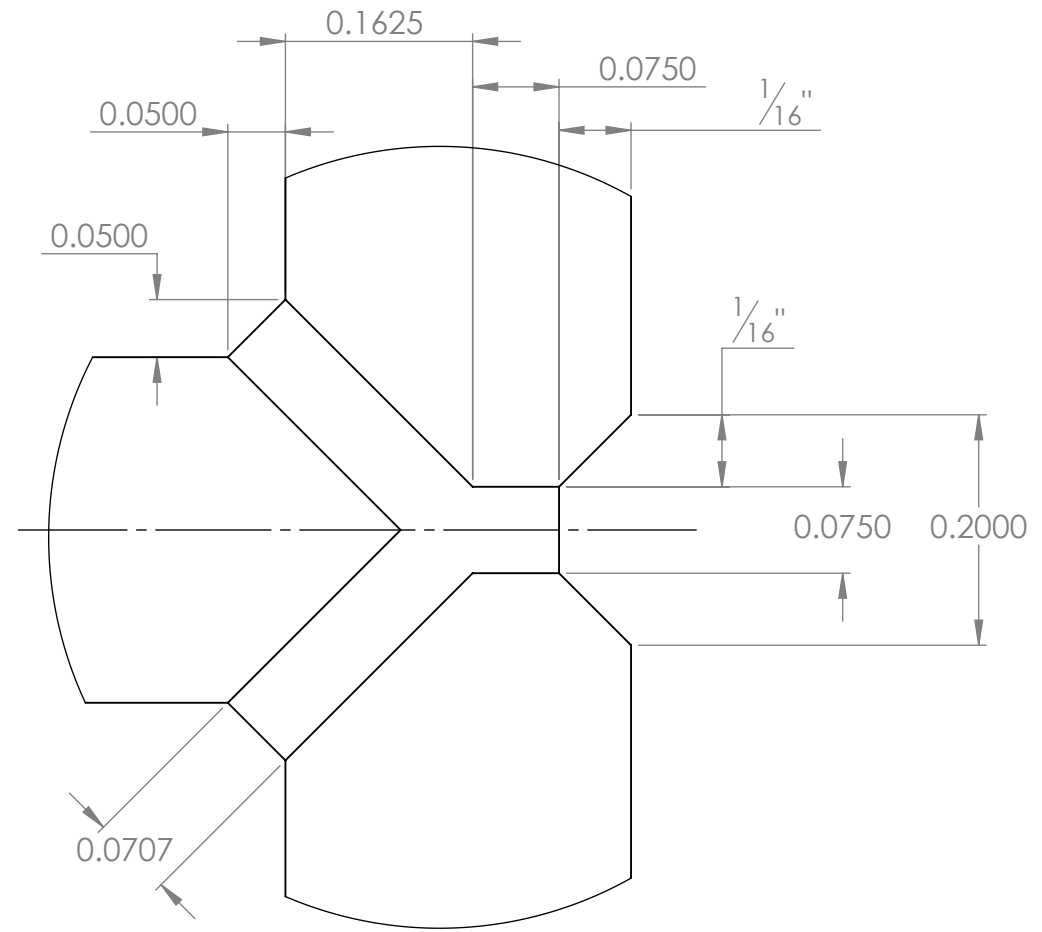
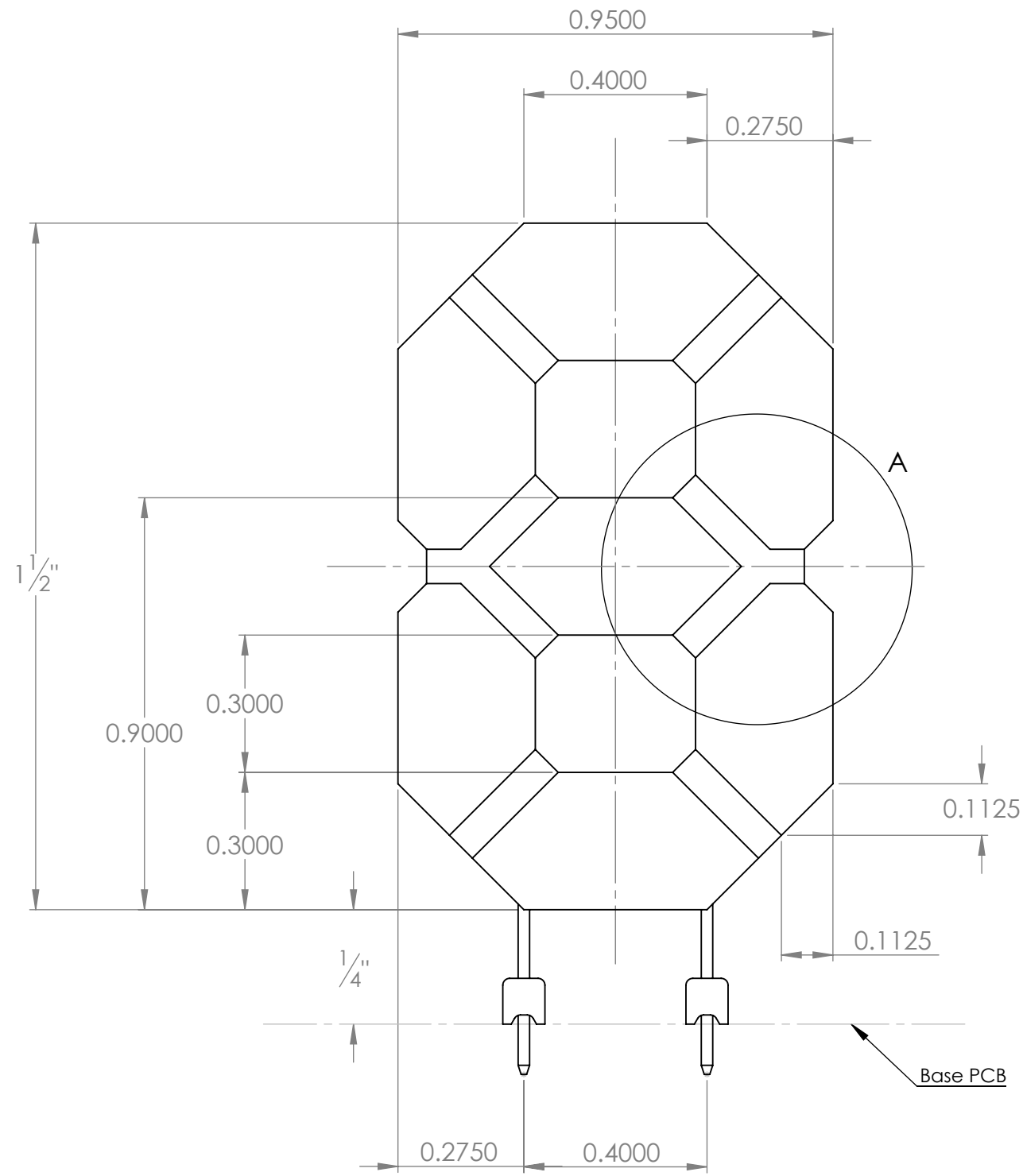


DETAIL A
SCALE 10 : 1

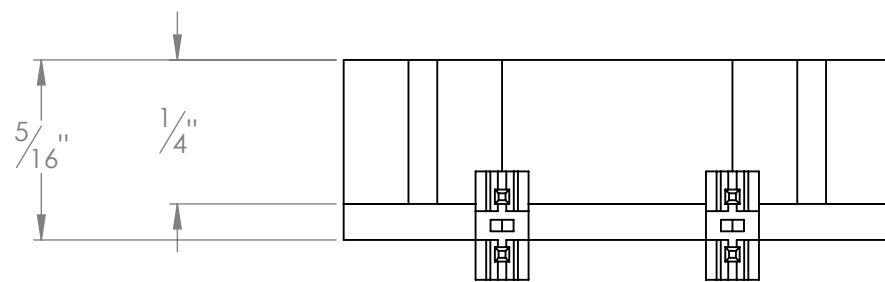
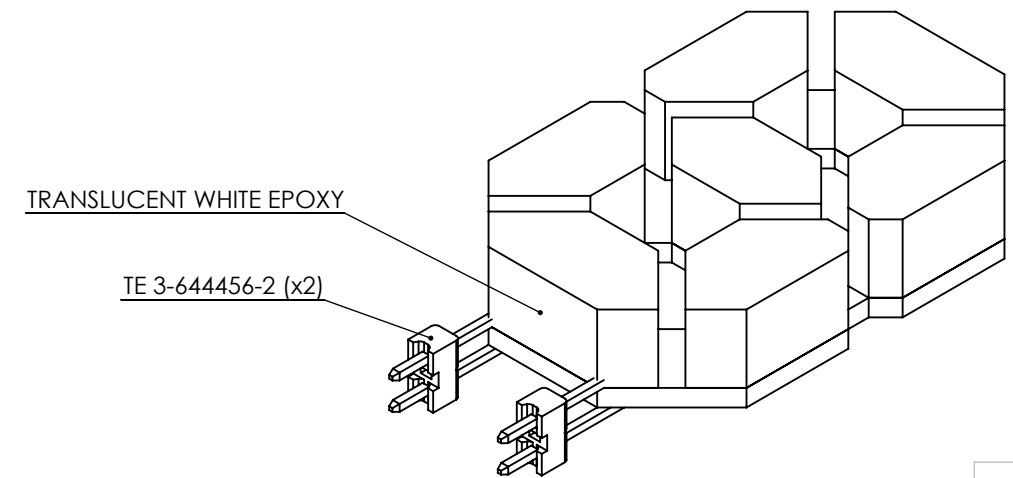
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NOTES :

PROJECT ALARM CLOCK			
TITLE DISPLAY (MODEL B) - 7-SEGMENT PCB DIMENSIONS			REV A
PART # CLK-PC-05	DOCUMENT # CLK-DWG-08	UNITS INCHES	SIZE B
MATERIAL PCB		FINISH -	
DATE 2/8/2015	APVD BY :	SCALE 4:1	SHEET 1 OF 1



DETAIL A
SCALE 6 : 1

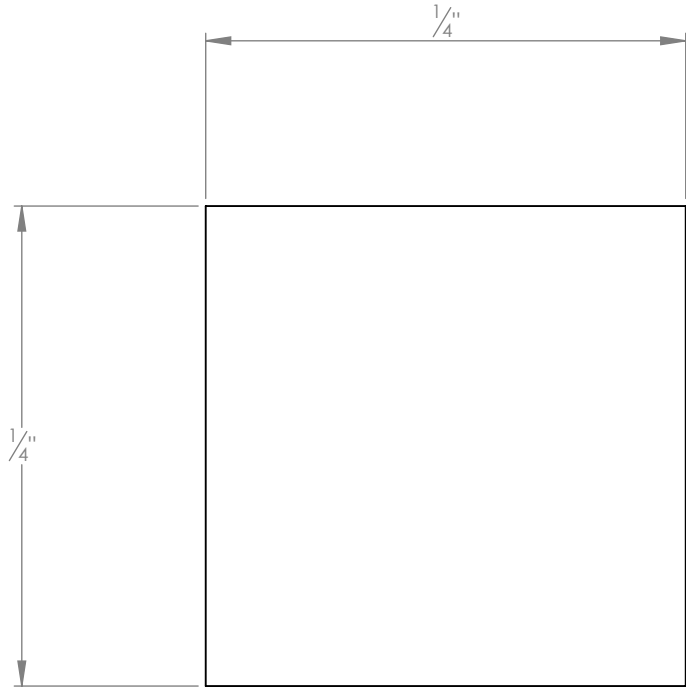
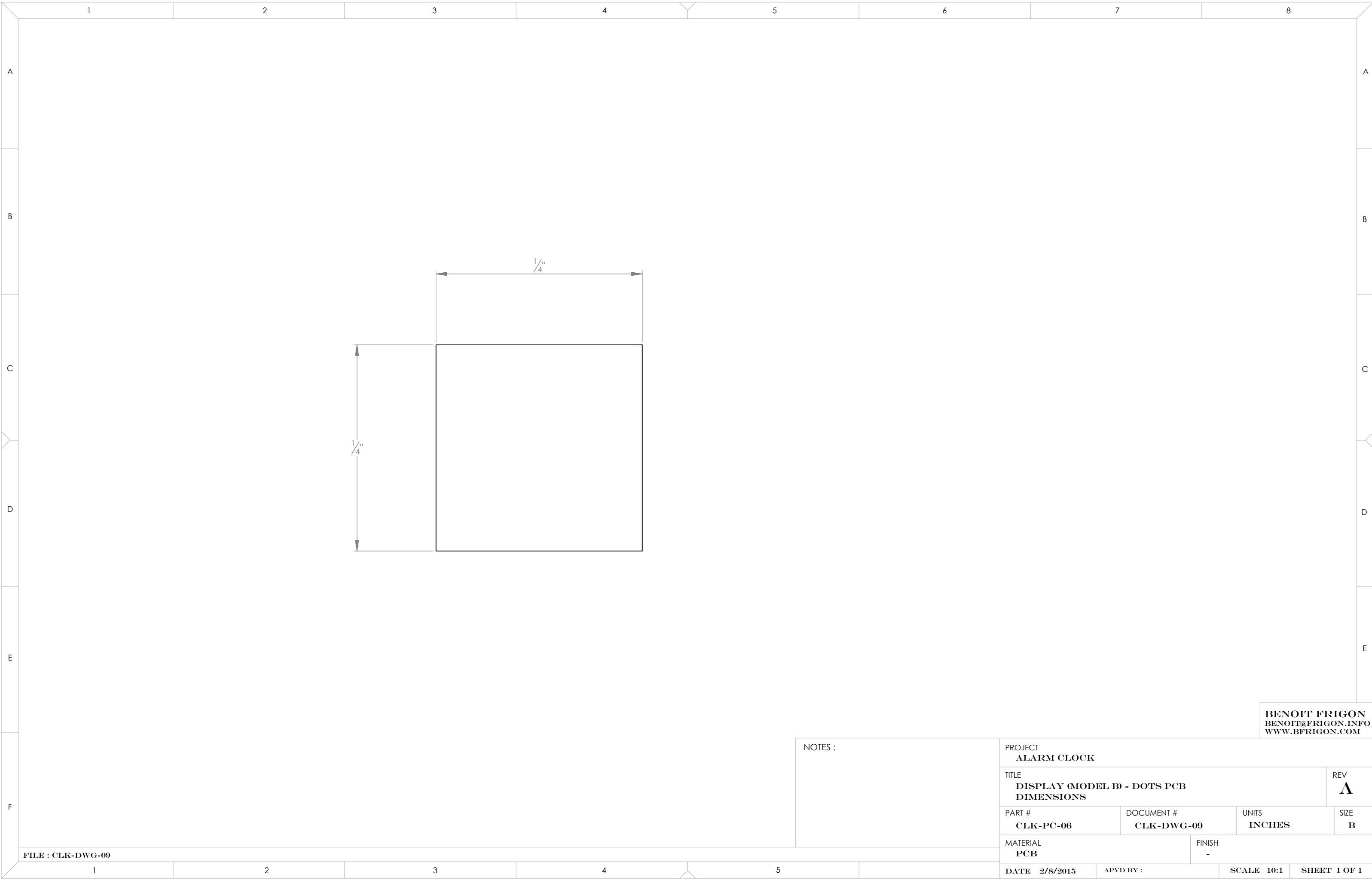


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NOTES :

EPOXY MIX:
25% CORNSTARCH, 75% CLEAR
EPOXY

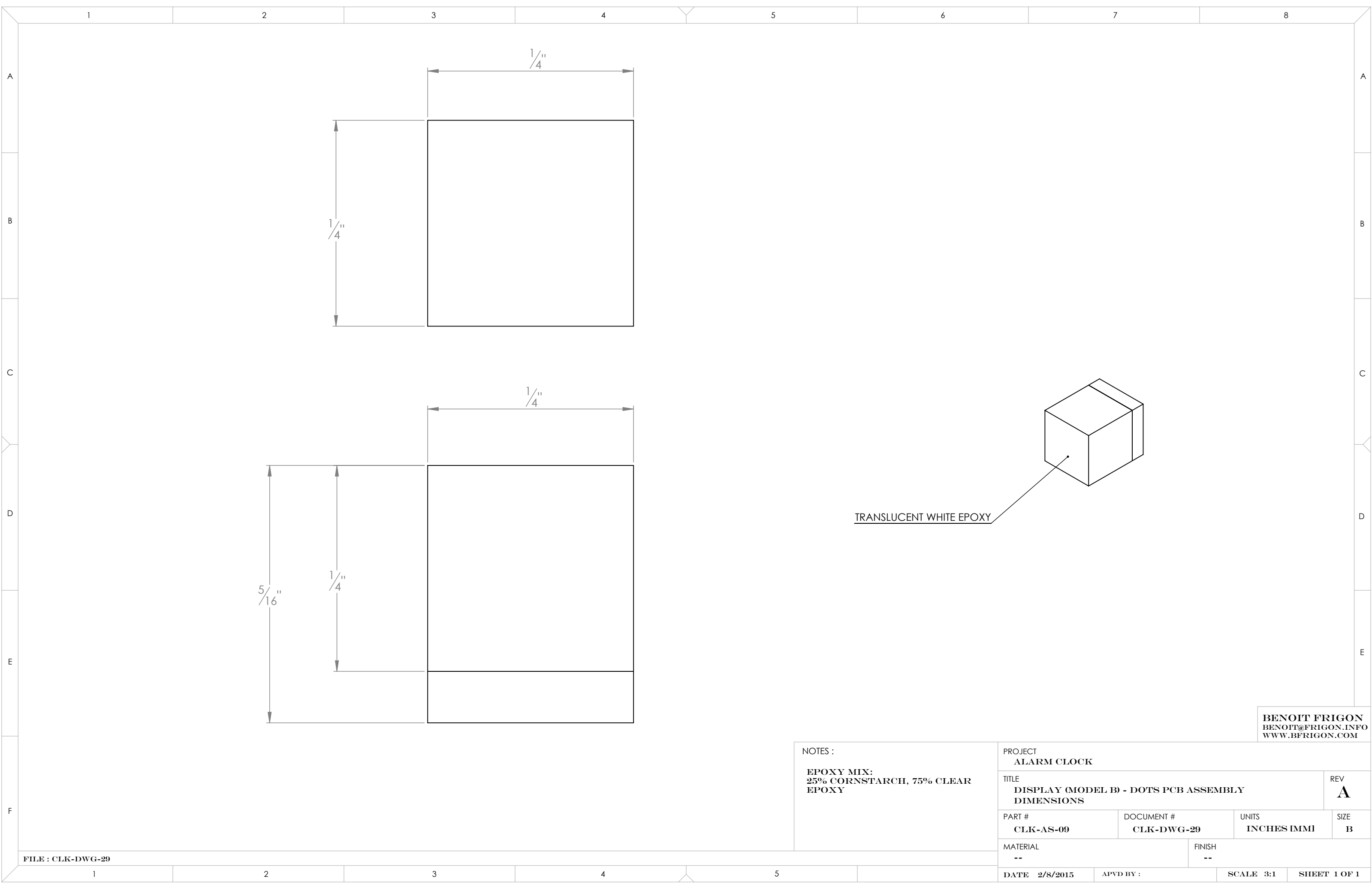
PROJECT ALARM CLOCK			
TITLE DISPLAY (MODEL B) - SEGMENT PCB ASSEMBLY DIMENSIONS			REV A
PART # CLK-AS-07	DOCUMENT # CLK-DWG-26	UNITS INCHES IMM1	SIZE B
MATERIAL --		FINISH --	
DATE 2/8/2015	APVD BY :	SCALE 3:1	SHEET 1 OF 1



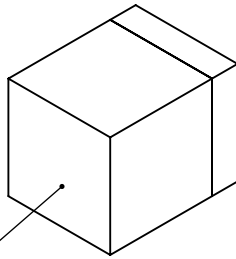
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NOTES :

PROJECT ALARM CLOCK			
TITLE DISPLAY (MODEL B) - DOTS PCB DIMENSIONS			REV A
PART # CLK-PC-06	DOCUMENT # CLK-DWG-09	UNITS INCHES	SIZE B
MATERIAL PCB		FINISH -	
DATE 2/8/2015	APVD BY :	SCALE 10:1	SHEET 1 OF 1



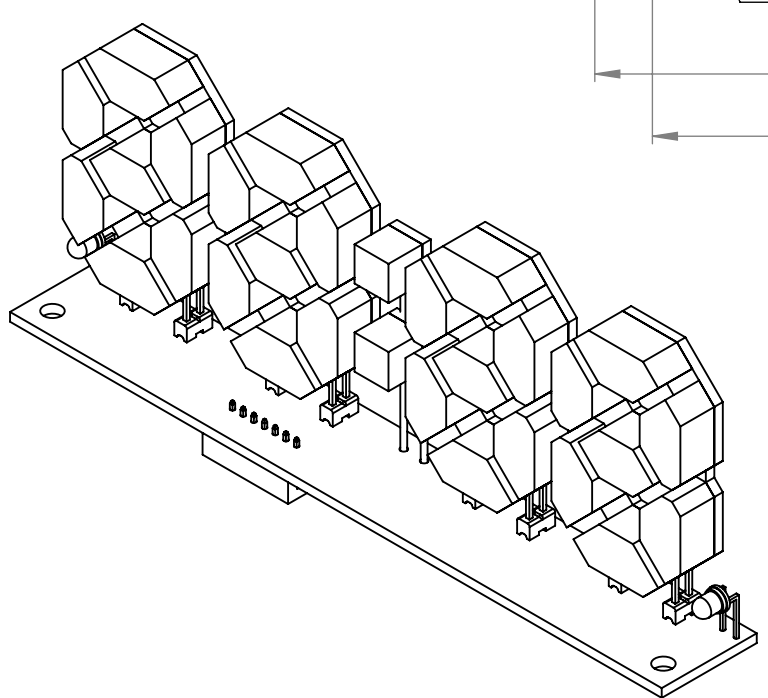
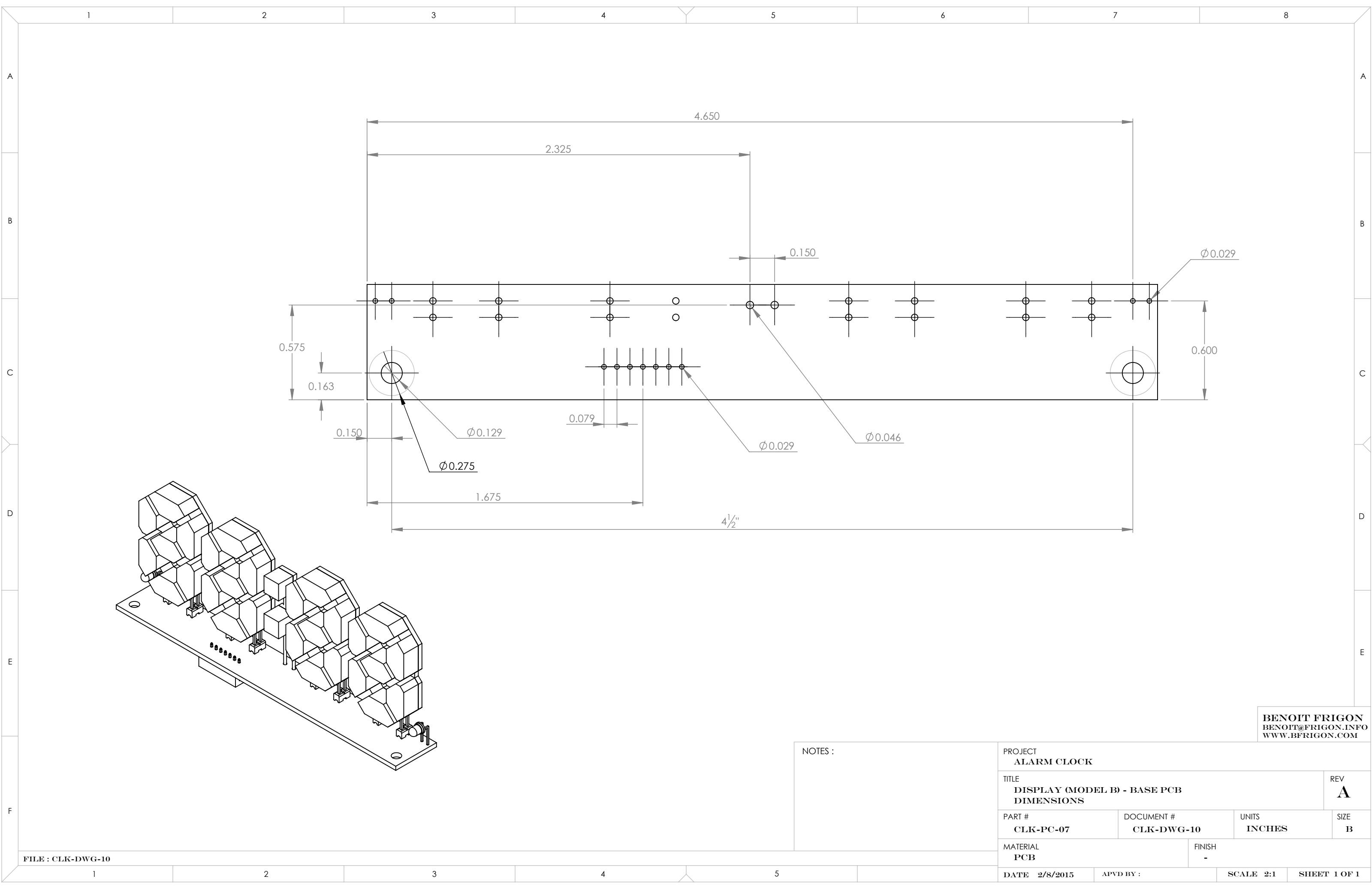
TRANSLUCENT WHITE EPOXY



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NOTES :
EPOXY MIX:
 25% CORNSTARCH, 75% CLEAR
 EPOXY

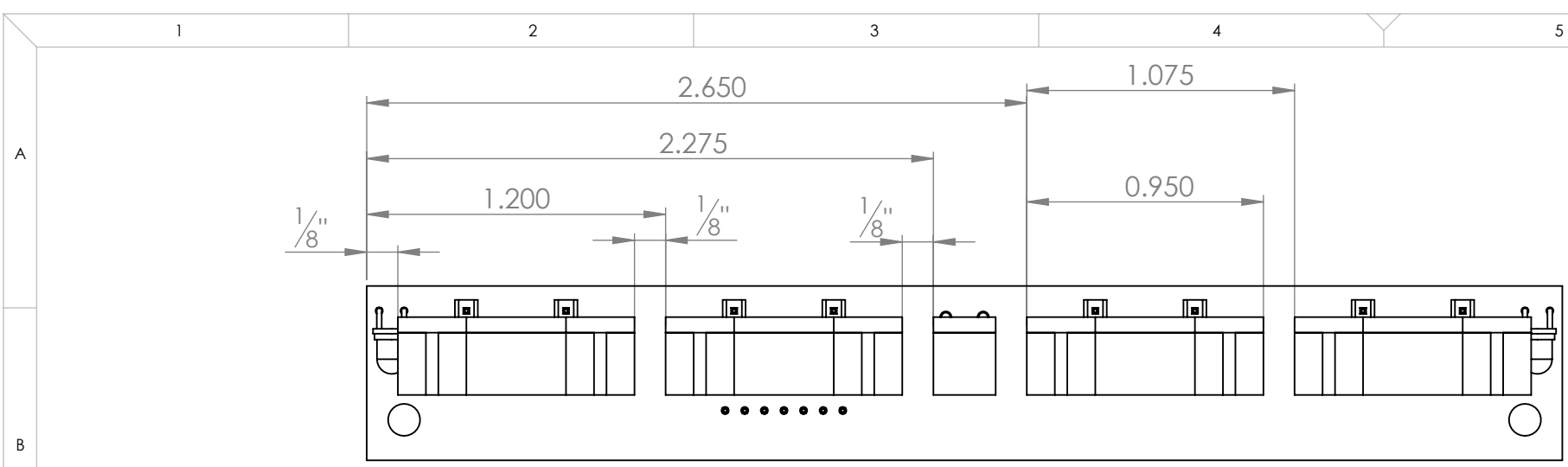
PROJECT ALARM CLOCK			
TITLE DISPLAY (MODEL B) - DOTS PCB ASSEMBLY DIMENSIONS			REV A
PART # CLK-AS-09	DOCUMENT # CLK-DWG-29	UNITS INCHES IMM1	SIZE B
MATERIAL --		FINISH --	
DATE 2/8/2015	APVD BY :	SCALE 3:1	SHEET 1 OF 1



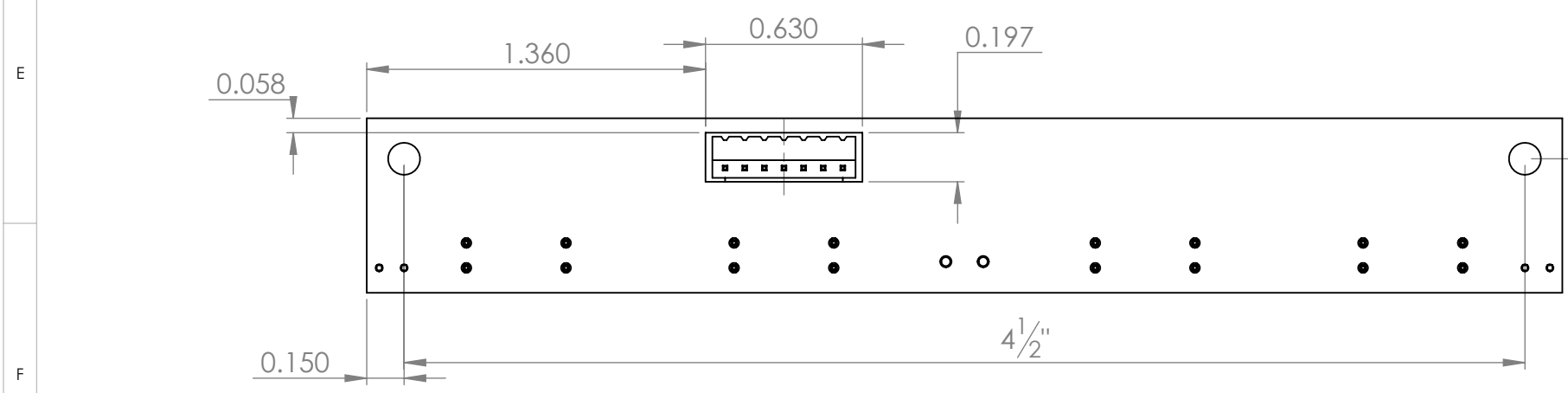
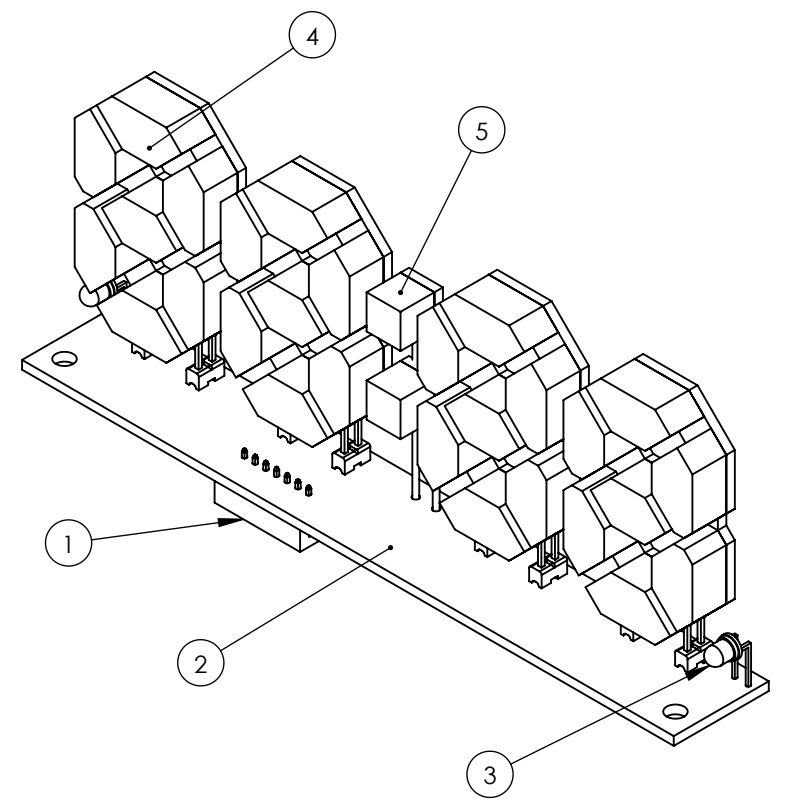
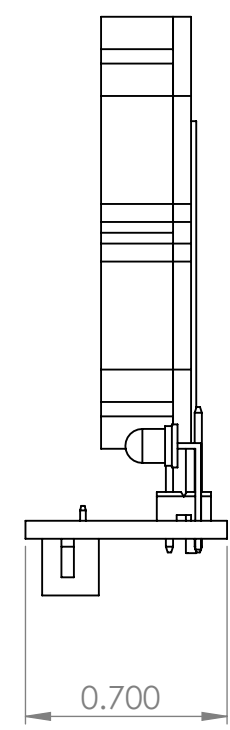
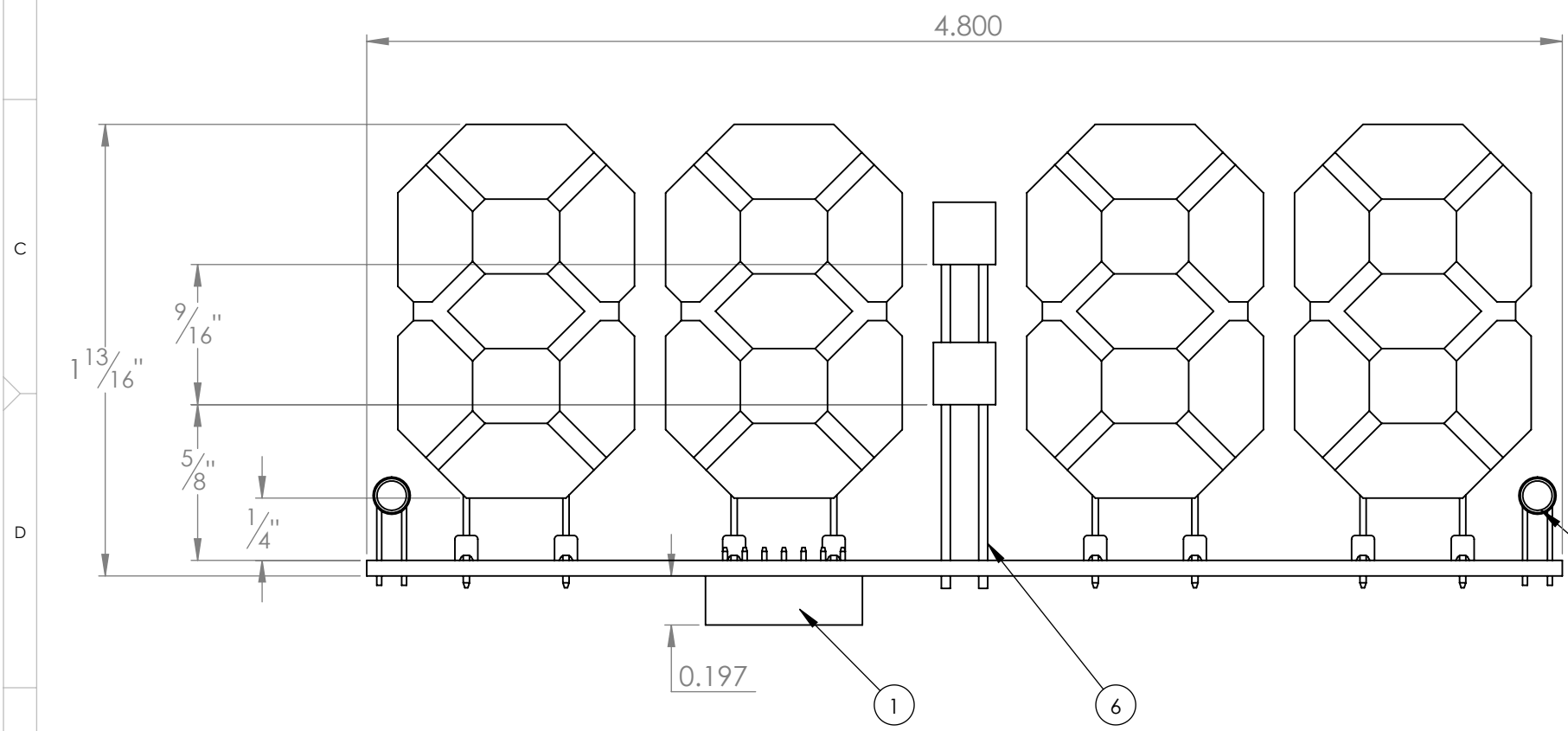
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NOTES :

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

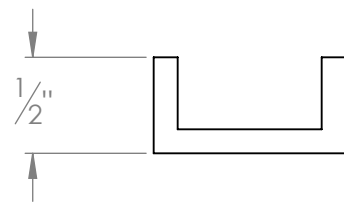
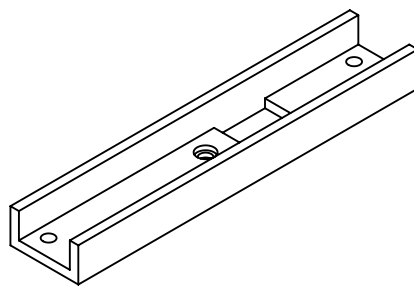
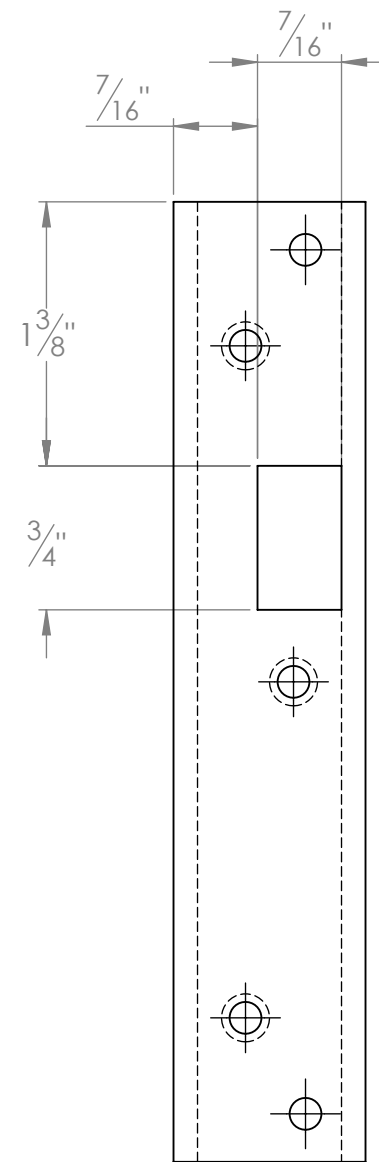
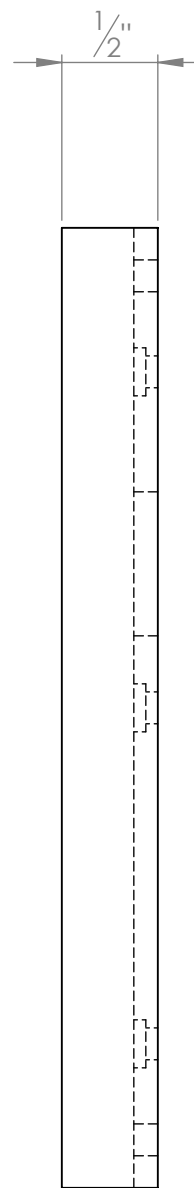
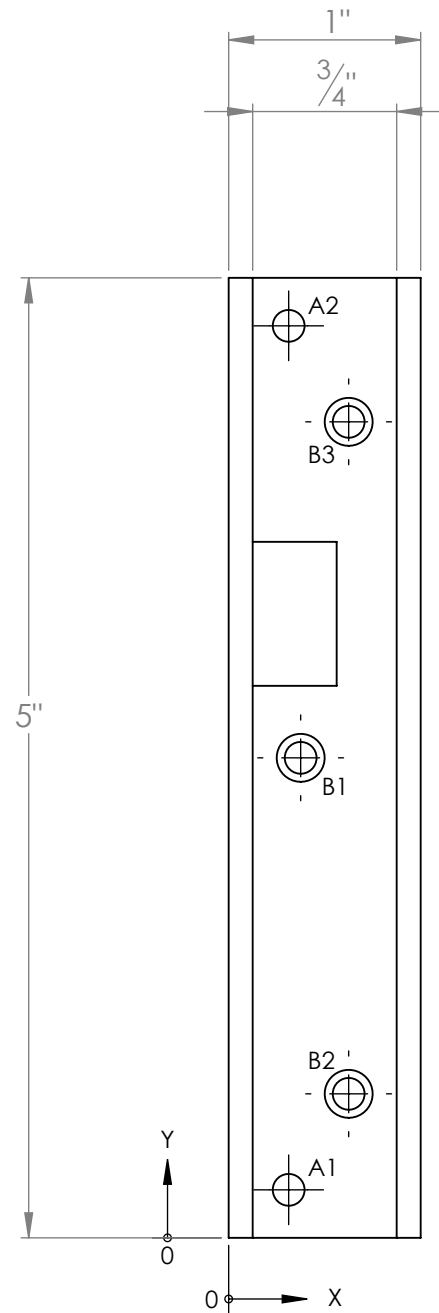


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NOTES :

PROJECT ALARM CLOCK			
TITLE DISPLAY (MODEL B) - BASE PCB ASSEMBLY DIMENSIONS			REV A
PART # CLK-AS-08	DOCUMENT # CLK-DWG-27	UNITS INCHES IMM1	SIZE B
MATERIAL --		FINISH --	
DATE 2/8/2015	APVD BY :	SCALE 3:2	SHEET 1 OF 1

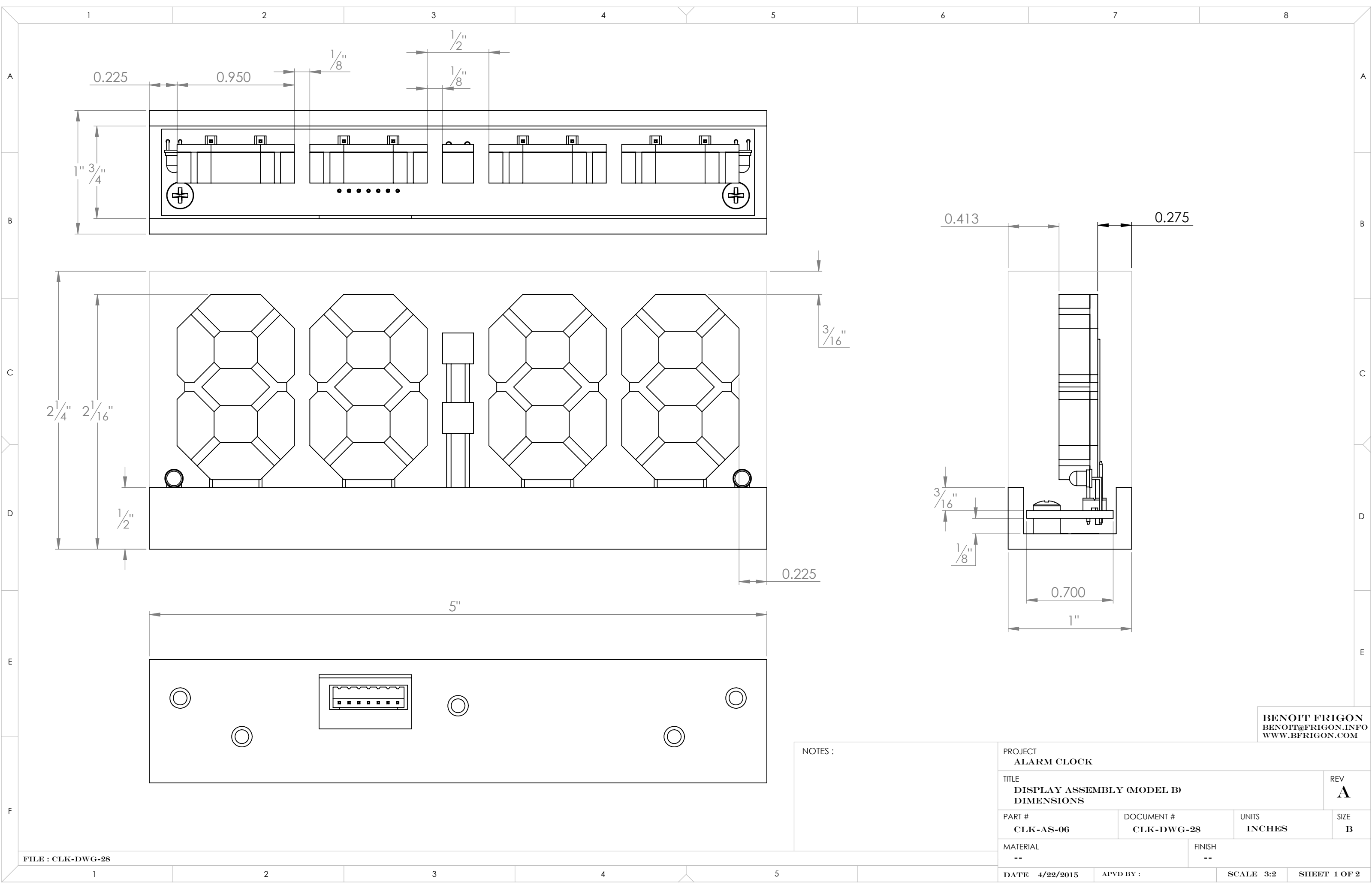
TAG	X LOC	Y LOC	SIZE
A1	5/16"	1/4"	Ø 0.166 THRU ALL
A2	5/16"	4 3/4"	
B1	3/8"	2 1/2"	Ø 0.166 THRU ALL └─┬─┘ Ø 1/4" ▽ 1/16"
B2	5/8"	3/4"	
B3	5/8"	4 1/4"	



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NOTES :

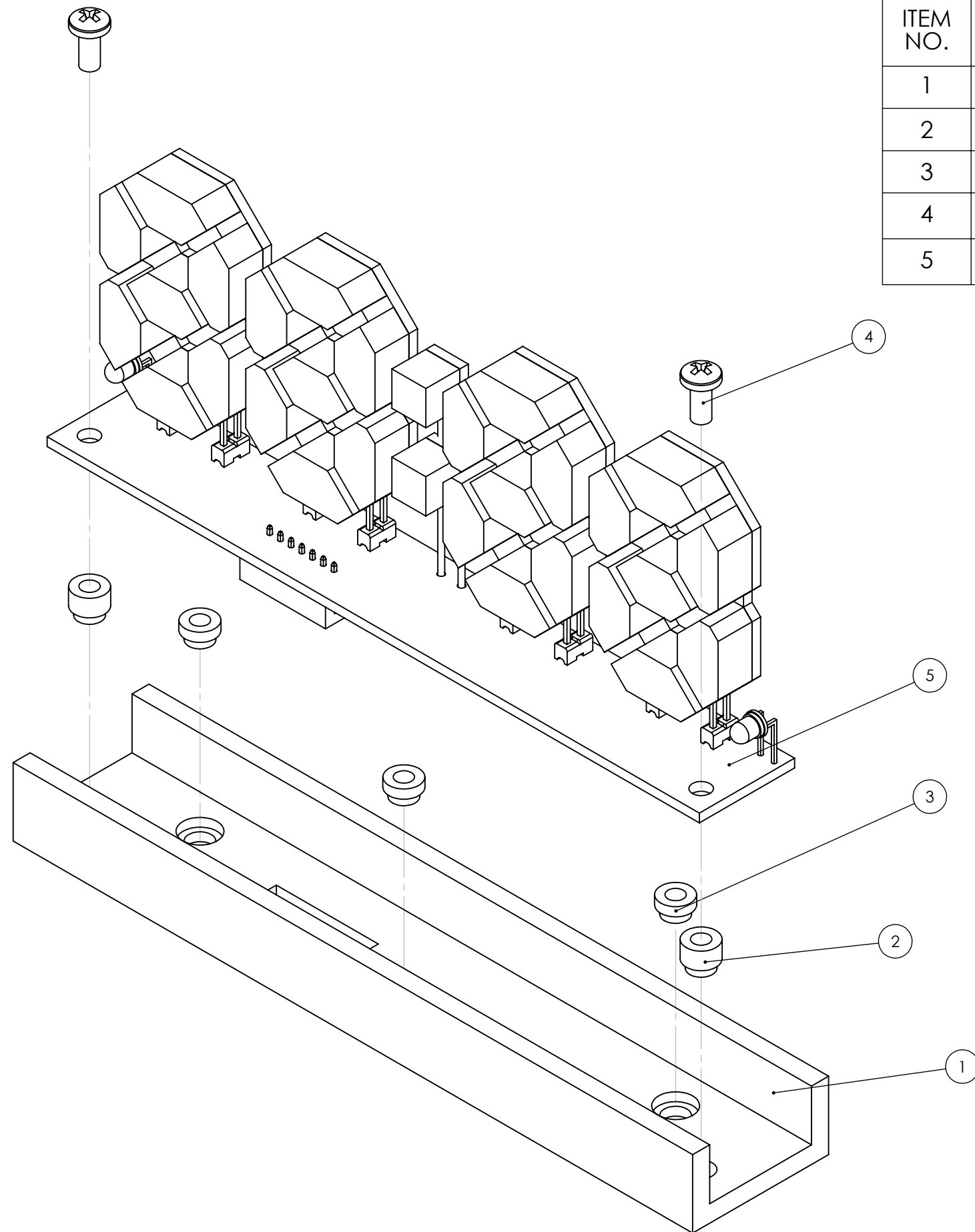
PROJECT ALARM CLOCK			
TITLE DISPLAY BASE DIMENSIONS			REV A
PART # CLK-STR-01	DOCUMENT # CLK-DWG-06	UNITS INCHES	SIZE B
MATERIAL 1" X 0.5" ALUMINUM "U" CHANNEL		FINISH -	
DATE 2/8/2015	APVD BY :	SCALE 5:2	SHEET 1 OF 1



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NOTES :

PROJECT ALARM CLOCK			
TITLE DISPLAY ASSEMBLY (MODEL B) DIMENSIONS			REV A
PART # CLK-AS-06	DOCUMENT # CLK-DWG-28	UNITS INCHES	SIZE B
MATERIAL --		FINISH --	
DATE 4/22/2015	APVD BY :	SCALE 3:2	SHEET 1 OF 2

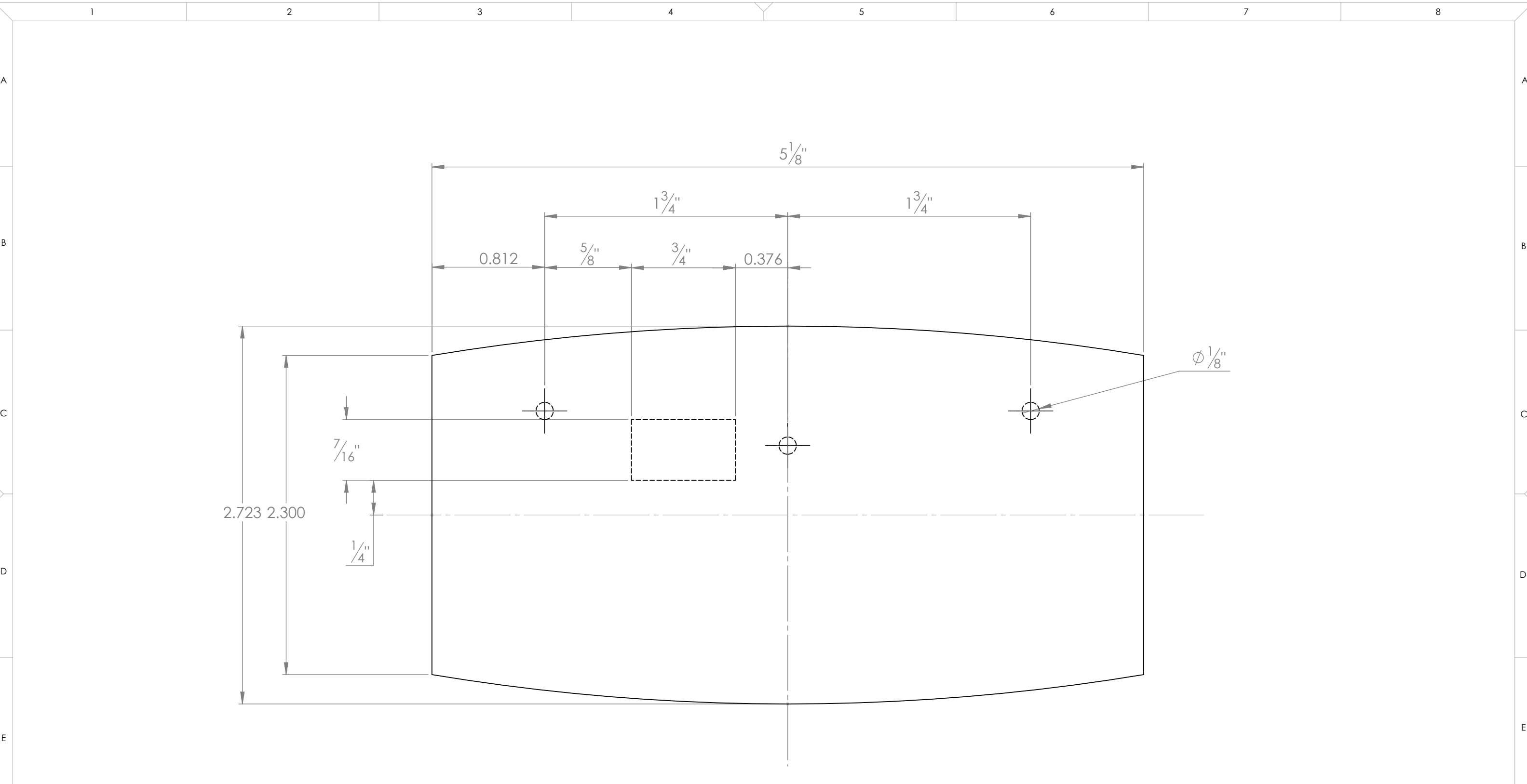


ITEM NO.	PART NUMBER	DESCRIPTION	model B/QTY.
1	CLK-STR-01	Display base	1
2	4862	Force-Fit Standoff - #4-40, 0.125"	2
3	4861	Force-Fit Standoff - #4-40, 0.065"	3
4	PH-C-0440-0025	Phillips Panhead Screw - #4-40 x 1-4"	2
5	CLK-AS-08	Display (Model B) - Base PCB Assembly	1

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NOTES :

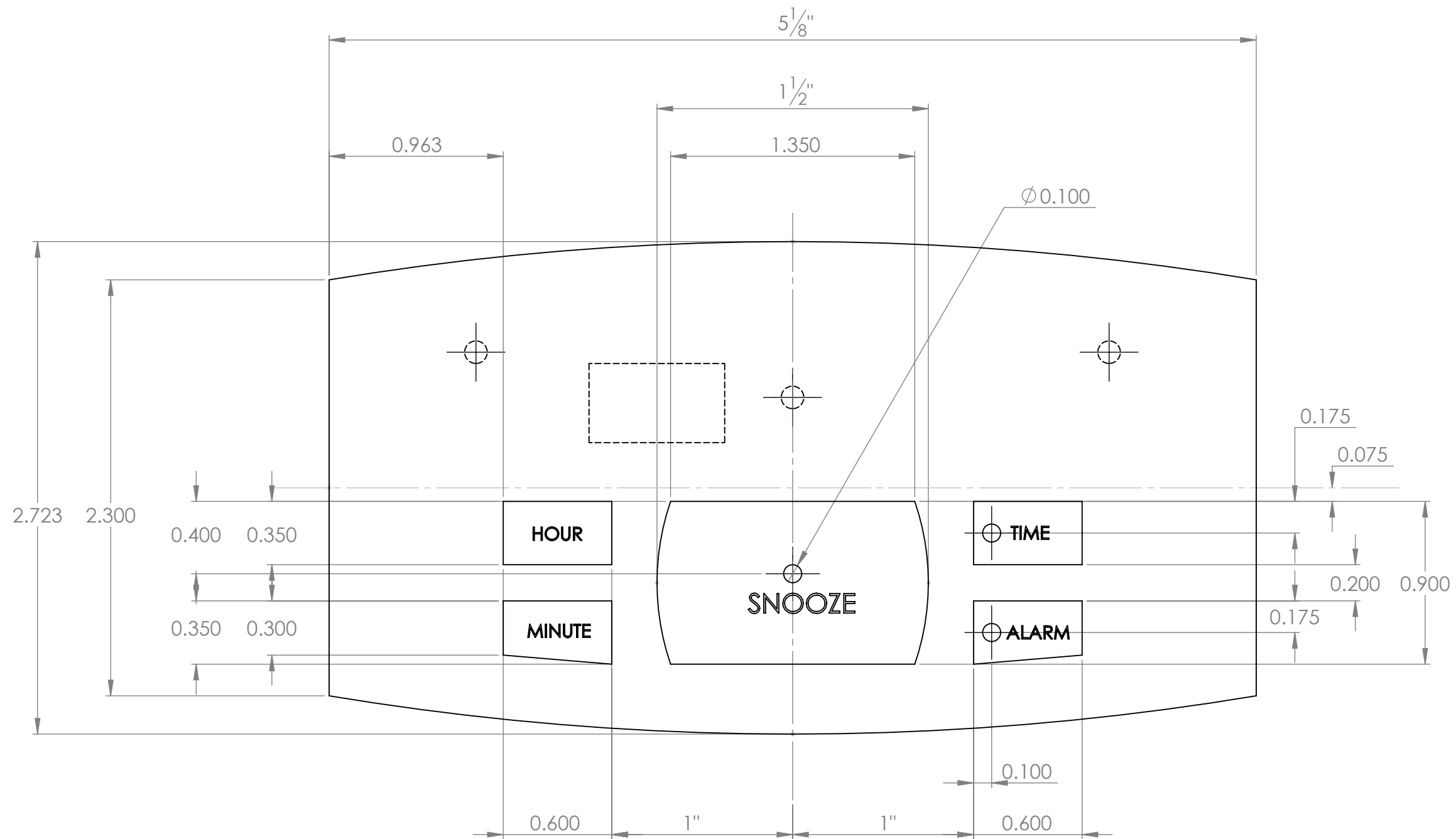
PROJECT ALARM CLOCK			
TITLE DISPLAY ASSEMBLY (MODEL B) EXPLODED VIEW			REV A
PART # CLK-AS-06	DOCUMENT # CLK-DWG-28	UNITS INCHES	SIZE B
MATERIAL --		FINISH --	
DATE 4/22/2015	APVD BY :	SCALE 3:2	SHEET 2 OF 2



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NOTES :

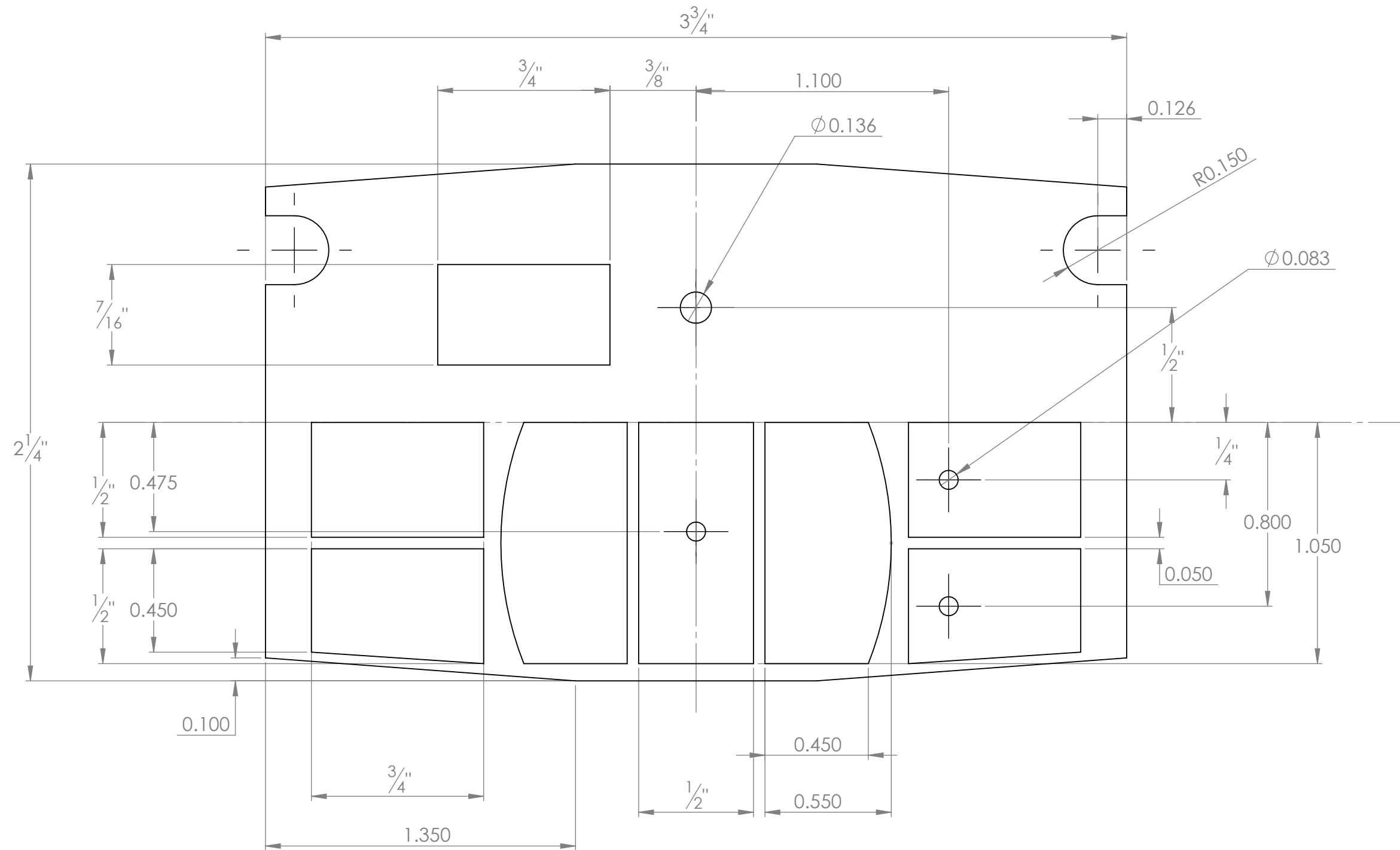
PROJECT ALARM CLOCK			
TITLE KEYPAD OVERLAY CUTOUT			REV A
PART # CLK-OVL-01	DOCUMENT # CLK-DWG-07	UNITS INCHES	SIZE B
MATERIAL --		FINISH -	
DATE 2/8/2015	APVD BY :	SCALE 3:2	SHEET 1 OF 2



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PROJECT ALARM CLOCK			
TITLE KEYPAD OVERLAY BUTTONS LAYOUT			REV A
PART # CLK-OVL-01	DOCUMENT # CLK-DWG-07	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 TOUCH KEYPAD PCB DIMENSIONS			REV A
PART # CLK-PC-02	DOCUMENT # CLK-DWG-02	UNITS INCHES	SIZE B
MATERIAL PCB FR-4		FINISH -	
DATE 2/8/2015	APVD BY :	SCALE 2:1	SHEET 1 OF 1