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NOTES: (UNLESS OTHERWISE SPECIFIED)

① MATERIAL: FR-4, .0312 \pm -.003 THICK, 1 OZ., COPPER-CLAD 2 SIDEDS.

② FINISH: ANY OF THE FOLLOWING FINISH APPLICATION METHODS FOLLOWED BY A LEVELING PROCESS IS ACCEPTABLE.

3.1 HOT-ROLLED TIN SOLDER.

3.2 SOLDERCOAT.

3. BOARD IS TO BE DRILLED PER N.C. DRILL FILES PROVIDED.
DO NOT "BOMBSIGHT" THE ARTWORK.

5. USE LPI GREEN SOLDERMASK

6. APPLY SILKSCREEN TO THE COMPONENT SIDE OF THE BOARD
USING NON-CONDUCTIVE CONTRASTING INK.

⑦ TOLERANCES: .XX= \pm -.015. .XXX= \pm -.010.

8. PARTS TO MEET THE SOLDERABILITY REQUIREMENTS OF
ANSI/J-STD-003.

9. HOLE SIZES ARE FINISHED AFTER PLATING

13. BOARD SHALL MEET THE REQUIREMENTS OF UL796,
WITH A FLAMMABILITY RATING OF 94V-0.
VENDOR UL LOGO OR DESIGNATION SHALL BE LOCATED
ON SOLDER SIDE OF PWB.

⑭ INDICATED HOLES TO BE USED AS TOOLING HOLES, 4 PLACES.

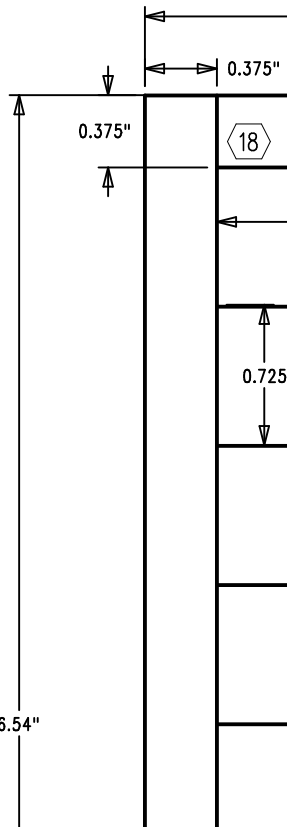
⑮  CRITICAL DIMENSIONS, TOLERANCE \pm -.005.

⑰ BOARD SCORING SHOULD NOT BE
PRESENT IN THE OUTER SUPPORT RAILS
REFERENCE (16) PLACES

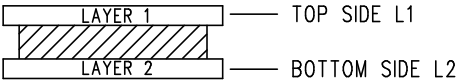
⑱ BOARD SCORING SHOULD BE
PRESENT IN THE OUTER SUPPORT RAILS
REFERENCE (14) PLACES

D

C



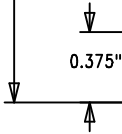
Fabrication Drawing



MINIMUM CRITICAL TRACE WIDTH IS 33 mils
50 – 60 OHM CONTROLLED IMPDEANCE BOARD

DRILL CHART

SIZE	QTY	SYM	PLATED	TOL
38	6	+ ^F	YES	+/-0.003
20	8	+ ^G	YES	+/-0.003
10	7	+ ^H	YES	+/-0.003



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B

A

-XX	DESCRIPTION
-01	

PRINTED AS B-

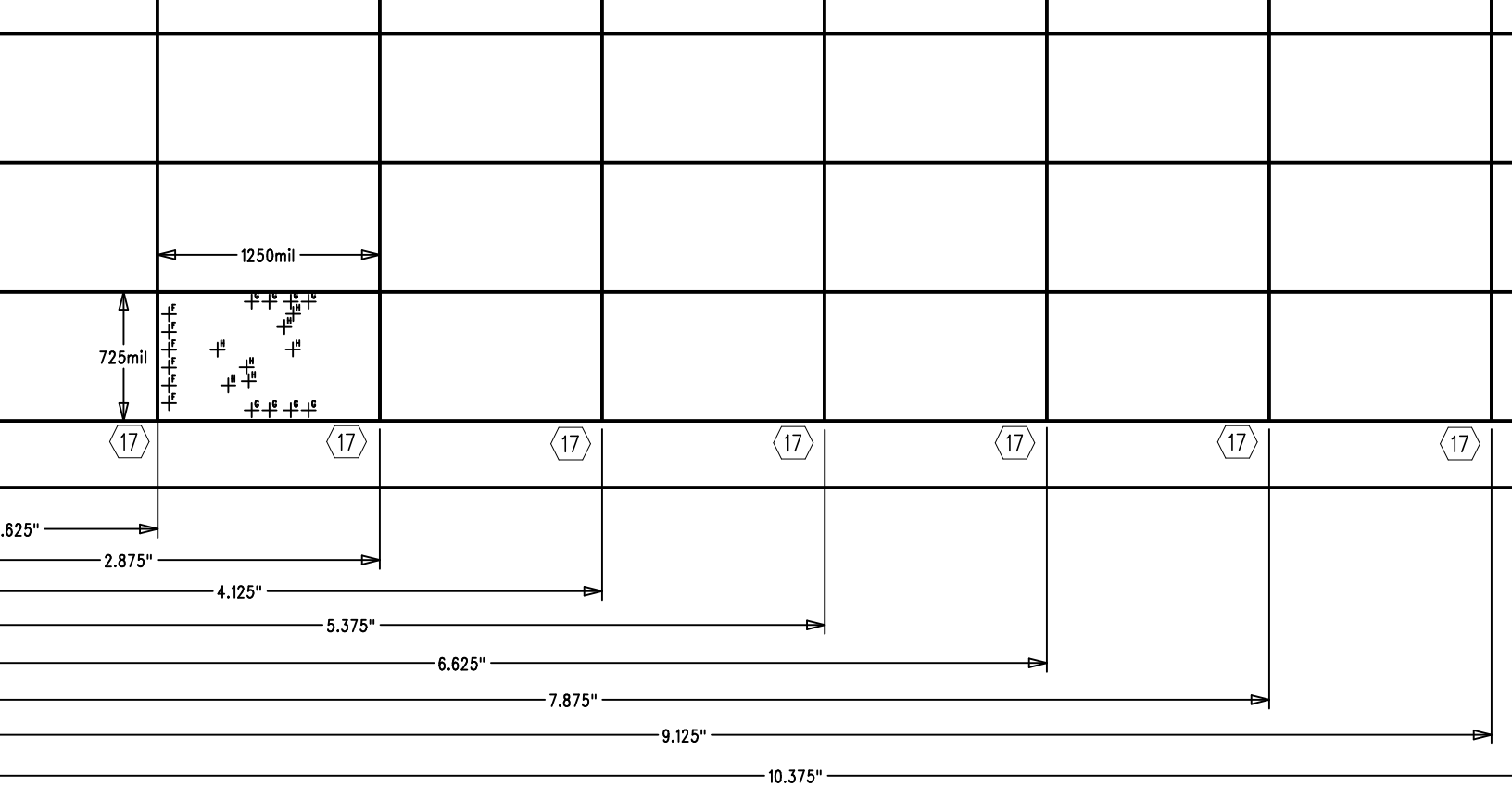
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6	5	4	3
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10.75"

1.25" (8-Typ)							
" (8-Typ)							



DO NOT SCALE DRAWING

SYMBOLS		PART NO. EXPLANATION		NOTICE:	LAST SAVED IN VERSION:		UNLESS OTHERWISE SPECIFIED: <div>10</div>
<div>C</div>	INDICATES CRITICAL TO FUNCTION	PART NUMBER	REVISION	<p>THIS DRAWING EMBODIES A CONFIDENTIAL PROPRIETARY DESIGN ORIGINATED BY BOTOMATON LABS MFG DIVISION AND ALL DESIGN,MANUFACTURING,REPRODUCTION, USE AND SALE RIGHTS REGARDING THE SAME ARE EXPRESSLY RESERVED. IT IS SUBMITTED UNDER A CONFIDENTIAL RELATIONSHIP FOR A SPECIFIC PURPOSE, AND THE RECIPIENT AGREES BY ACCEPTING THIS DRAWING NOT TO SUPPLY OR DISCLOSE ANY INFORMATION REGARDING IT TO ANY UN-AUTHORIZED PERSON, OR TO INCORPORATE IN OTHER PROJECTS ANY SPECIAL FEATURES UNIQUE TO THIS DESIGN. ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED.</p>	PADS Layout 2007		
<div>P</div>	INDICATES PROCESS CAPACITY STUDY DIMENSION	<div>09070-XXXXX</div>	REV X		FILE NAME: Dsize		<div>.XX</div> $= \pm$ <div>.015</div>
<div></div>	SQUARE	PANEL DWG NO.					<div>.XXX</div> $= \pm$ <div>.005</div>
<div>()</div>	REFERENCE						ANGLES \pm <div>1</div>
R	RADIUS						<div>✓</div> $=$
SR	SPHERICAL RADIUS	MFG OPTION (SEE TABLE or NOTE)					
SØ	SPHERICAL DIAMETER						
-SIZE							
6		5		4		3	

		2				1		PLOT DATE	
LTR	REL'D DATE	BY	REVISIONS		CHK / DATE	REQUESTOR			
0	1/24/2015		original release			G. KOCHIS			

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V-GROOVE

15° TYP ± 4°

SCORE ON EACH SIDE TO FORM BREAKAWAY

.010 +/- .003

.010 +/- .003

D

C

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→ | ← .0312

DETAIL A-A

SCALE: NONE

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COMPONENT SIDE

DRAWN X DESIGNED CHECKED APPR. APPR. RELEASED	DATE X DATE	SUPERSEDES NONE	BOTOMATON LABS HENDERSON, NEVADA	PROJECT NO.		FIRST USED ON 5-AXIS	
	DATE	SCALE NONE					
	DATE	MATERIAL		TITLE PWB FABRICATION STEPPER MOTOR OPTO FEEDBACK	SIZE D	DRAWING NUMBER 09070-00122	REV 0
	DATE						
	DATE						
				FOR FULL PART NO. SEE LEDGEND			
				SHEET 1 OF 1			

	2	1
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