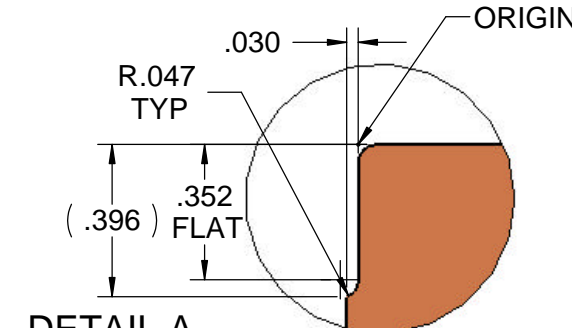
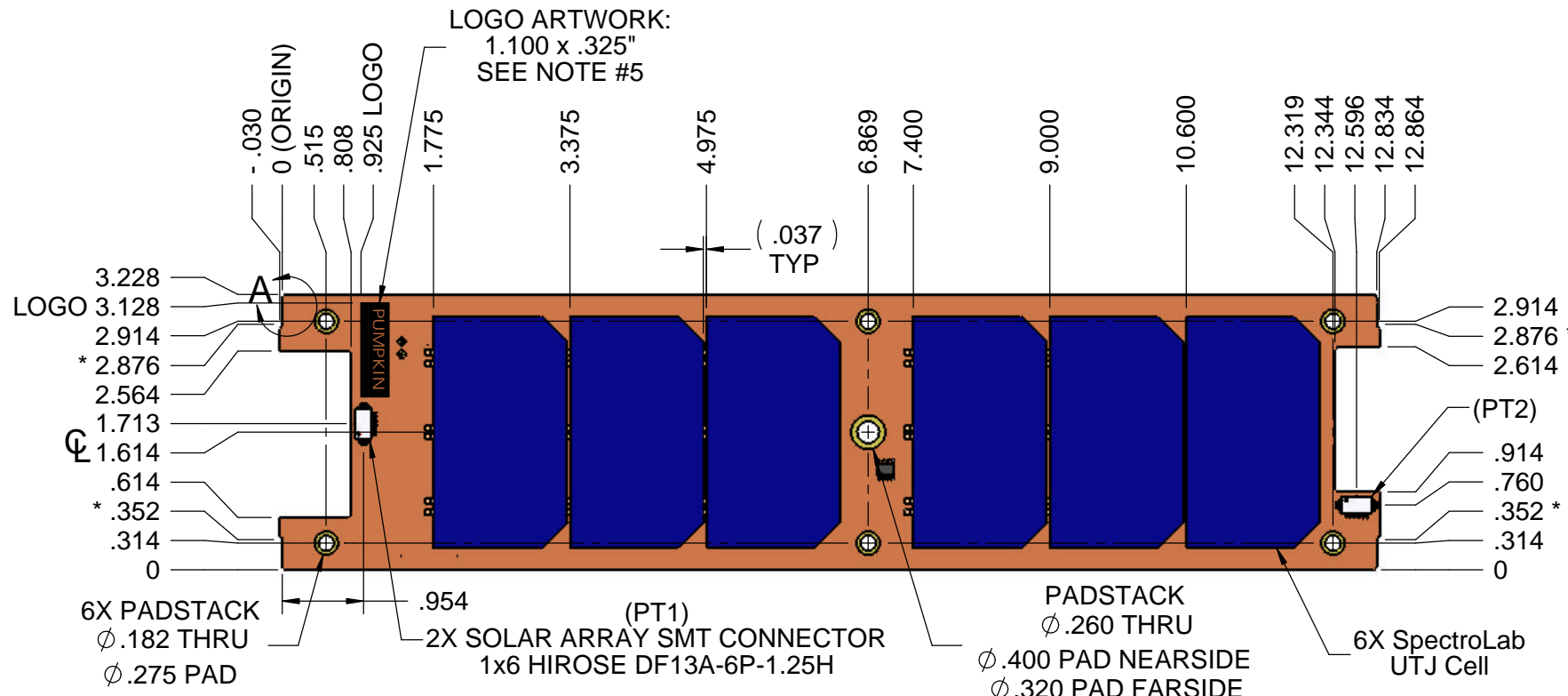


PROPRIETARY NOTICE

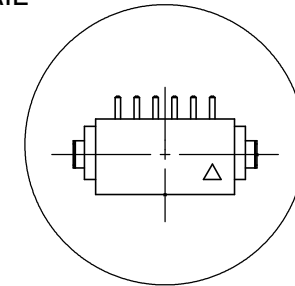
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REVISION HISTORY

REV	LOC	DESCRIPTION	DATE	APP'VD
B0	C8	CHANGED THRU HOLE FROM .172 to .182"	04/30/2009	AWR
B0	A7	MOVED PT3 & SA1 CONNECTORS .025" FROM .221" to .246"	04/30/2009	AWR
B0	A7	MOVED PT4 CONNECTOR .015" FROM 2.588" TO 2.573"	04/30/2009	AWR
B0	C7	ADDED PUMPKIN LOGO CALLOUT	04/30/2009	AWR



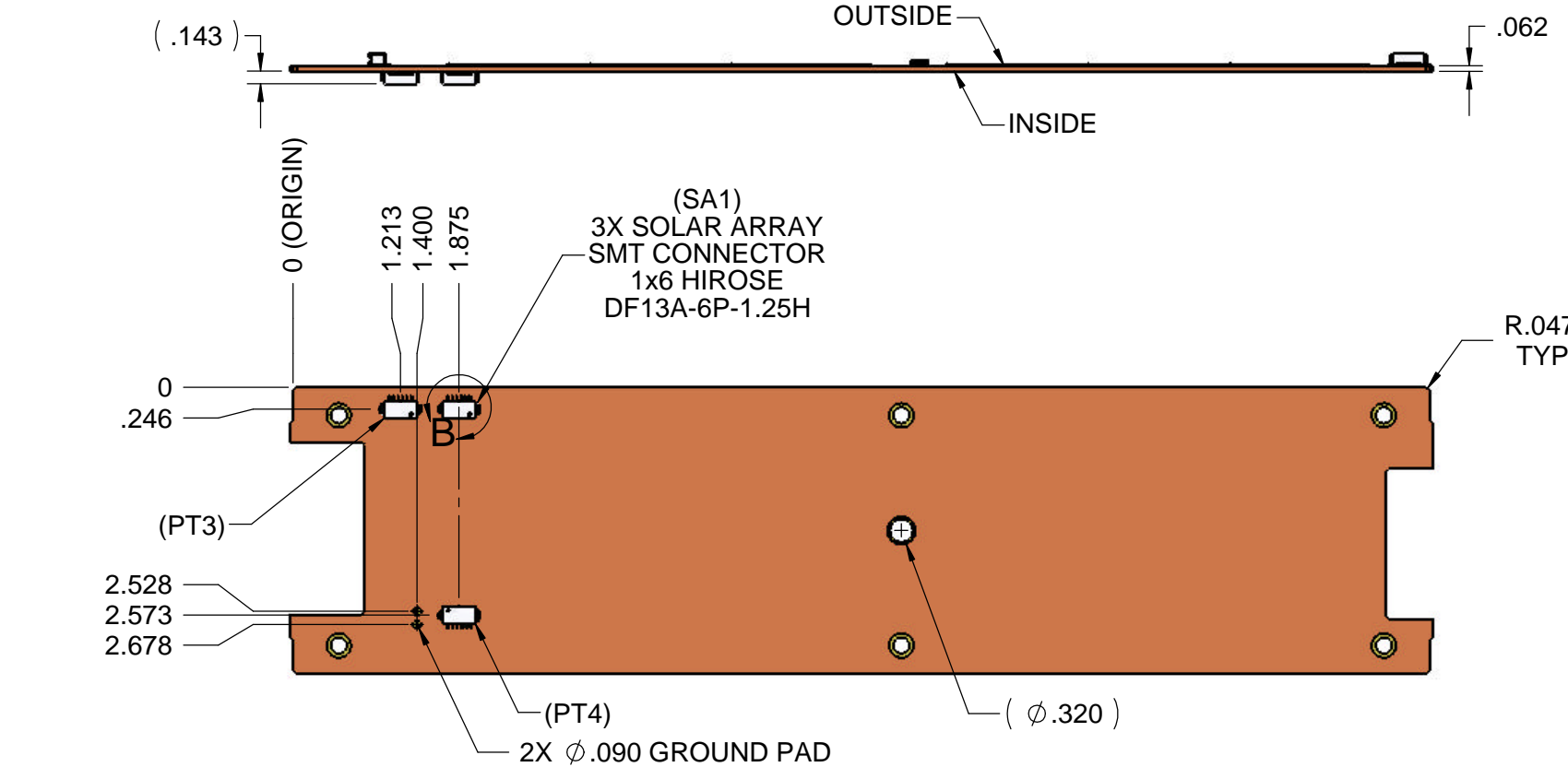
DETAIL A
SCALE 2 : 1
CORNER DETAIL
(2 PLACES)




DETAIL B
SCALE 2 : 1

SOLAR ARRAY CONNECTOR	
PIN #	LABEL
1	POS_OUTSIDE
2	RTN_OUTSIDE
3	TLM_OUTSIDE
4	POS_INSIDE
5	RTN_INSIDE
6	TLM_INSIDE

- NOTES:**
- 1) ALL PLATED THRU HOLES ARE SPEC'D AFTER PLATING
 - 2) "INSIDE" REFERS TO THE SURFACE THAT FACES THE SATELLITE, AND "OUTSIDE" REFERS TO THE SURFACE THAT FACES AWAY FROM THE SATELLITE, WHEN LOADED IN THE LAUNCH SYSTEM.
 - 3) DIMENSIONS WITH AN ASTERISK (*) ARE MARKING A TANGENCY POINT.
 - 4) REFER TO SHEET #2 FOR KEEP-OUT ZONES ON THE INSIDE.
 - 5) LOGO TO APPEAR ON METAL LAYER; WITH THE TEXT IN METAL. FOR LOGO SPECIFICATIONS AND DXF FILES, CONTACT PUMPKIN.



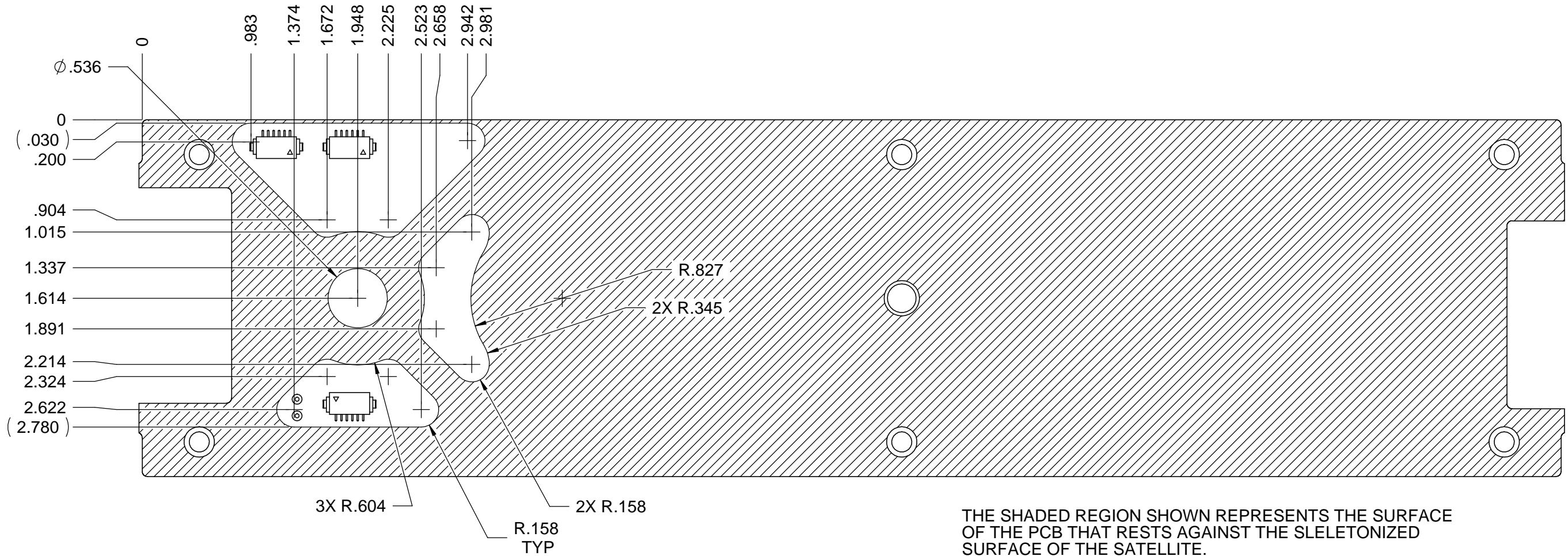
MATERIAL: SEE NOTES	FINISH: SEE NOTES	HEAT TREAT: NONE	WEIGHT:
		750 Naples - San Francisco - CA 94112 (415) 584-6360 ph - (415) 585-7948 fax info@pumpkininc.com	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES .X = ± .030 .XX = ± .010 ± 0° 30" .XXX = ± .005		APPROVALS DRAWN AWR CHECKED QUAL ENG	DATE 11/07/08
CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		DO NOT SCALE DRAWING	
TITLE PCB, Front Panel Module, 3U		SIZE B DWG.	REV B0 SHEET 1 OF 2
SCALE 1 : 2		705-00459	

PROPRIETARY NOTICE

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REVISION HISTORY


REV	LOC	DESCRIPTION	DATE	APP'VD
B0		NO CHANGE TO THIS SHEET	04/30/2009	AWR



THE SHADED REGION SHOWN REPRESENTS THE SURFACE OF THE PCB THAT RESTS AGAINST THE SKELETONIZED SURFACE OF THE SATELLITE.

NOTES:

- 1) THIS IS A REFERENCE DRAWING TO ILLUSTRATE WHERE IT IS SAFE TO MOUNT COMPONENTS AND/OR RUN TRACES AND EXPOSED PADS ON THE BACKSIDE OF THE PCB.
- 2) ANY TRACES THAT EXIST IN THE SHADED AREA WILL NEED TO BE INSULATED WITH KAPTON TAPE, OR A SIMILAR INSULATING MATERIAL.
- 3) ZONES SHOWN ARE THE EXACT OVERLAY OF THE OPEN AREAS ON THE BUS CHASSIS *MINUS* a .030" RECOMMENDED TOLERANCE BUFFER.

MATERIAL: SEE NOTES		FINISH: SEE NOTES		HEAT TREAT: NONE		WEIGHT:									
				750 Naples - San Francisco - CA 94112 (415) 584-6360 ph - (415) 585-7948 fax info@pumpkininc.com											
				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		APPROVALS		DATE		TITLE					
FRACTIONS		DECIMALS		ANGLES		DRAWN		AWR		11/07/08		PCB, Front Panel Module, 3U			
.X = ± .030		.XX = ± .010		± 0° 30"		CHECKED				SIZE				DWG.	
.XXX = ± .005						QUAL ENG				B				705-00459	
CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE				DO NOT SCALE DRAWING				SCALE		1 : 1		SHEET		2 OF 2	
												REV		B0	