

NOTES: (UNLESS OTHERWISE SPECIFIED)

1. MATERIAL:

METAL 1-2: .5 oz. COPPER
LAYER 1: ROGERS 4003C, .008 in. THICK
SOLDERMASK TOP: LPI OR LDI (GREEN)
SILKSCREEN TOP: WHITE EPOXY INK

2. PLATING:

A. METAL 1 AND METAL 2:

NICKEL PLATE per QQ-N-290, CLASS 1, GRADE G, 200 uin min (5 um min) ;
GOLD PLATE per ASTM B 488, TYPE III, CODE A, 3-10uin (0.08-0.25 um)

B. METAL 1 SELECTIVE PLATING(THICK_GOLD_LAYER):

GOLD PLATE PER ASTM B 488, TYPE III, CODE A, CLASS 1, 50 uin min (1.27 um min)
METAL 1 SELECTIVE PLATING MUST BE FREE FROM CONTAMINATION, STAINS AND DEBRIS.

3. FABRICATE IN ACCORDANCE WITH IPC 6018B, PER IPC 6011 CLASS 3

4. FINISH THICKNESS: (.011 in).

5. TOLERANCE: PCB OUTLINE: $\pm .0020$ in.

6. COPPER IS PULLED BACK .0020 in. ON METAL 1 AND 2 FROM EDGE OF PCB.

7. VIA PLATING/FILLING:

A ALL .008 HOLES ARE TO BE COPPER-FILLED, OVER-PLATED AND CO-PLANAR

FINISHED Cu THICKNESS TO BE .0014 +/- .0004

B. ALL OTHER PLATED THRU HOLES SHALL BE PLATED TO A .0007 MINIMUM THICKNESS

8. METAL 1 TOP AND METAL 2 BOT SHALL BE PLANARIZED AFTER PLATING HOLES SHUT.

MAX ALLOWED NEGATIVE FEATURE .0008. MAX ALLOWED POSITIVE FEATURE .0003.

9. CONDUCTOR WIDTH AND SPACING WITHIN .0010 in. OF CAD DATABASE.

10. SOLDERMASK IN PLATED-THRU HOLES IS ACCEPTABLE AS LONG AS IT DOES EXIST ON THE BACKSIDE.

11. ALL HOLES TO BE LOCATED WITHIN $\pm .003$ in. OF CAD DATABASE.

12. BURRS SHALL NOT EXCEED .0020 in.

13. NO VENDOR MARKING ON SERIALIZATION ALLOWED

14. BAG AND TAG SEPARATELY.

15. STENCIL:

SOLDER PASTE APPLICATION MACHINE: APS (SPR-20)

TOLERANCE TO BE $\pm .001$ INCHES.

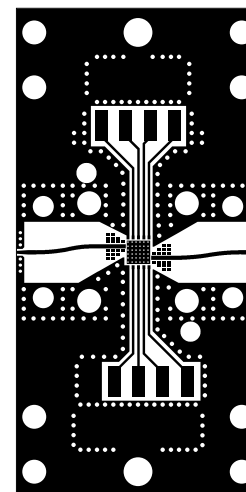
SPACING OF CELLS TO BE 1.00 in. APART.

MATERIAL: STAINLESS STEEL, .005 in. THICK



MARK PART: TGP2109_DIE-ON-BRD, PCB

REVISION HISTORY

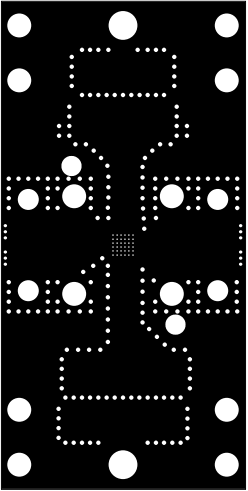
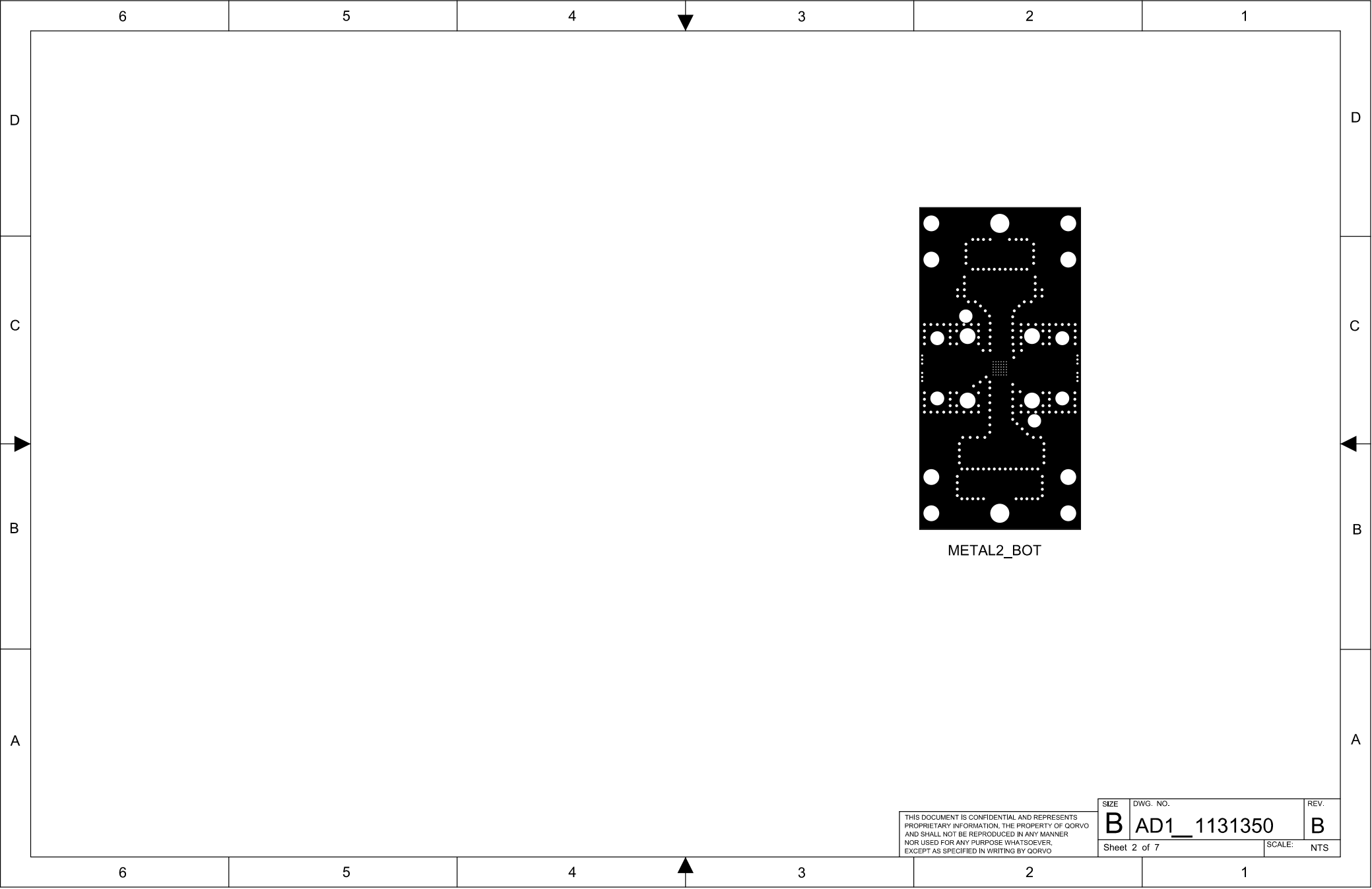
ECN	REV	DESCRIPTION	DATE	APPROVAL
ECN-0001254	A	Initial Release	7-6-15	OMARRUFO
ECN-0001319	B	Corrected Mounting Holes	7-30-15	OMARRUFO



METAL1_TOP

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [mm]		PRODUCT: TGP2109-SM		 all around you		500 W Renner RD. Richardson, TX 75080 Phone: 972.994.8200 www.qorvo.com	
TOLERANCES ARE: DECIMALS METRIC .XX ± .01 [.X ± 0.3mm] .XXX ± .005 [.XX ± 0.13mm] .XXXX ± .0010 [.XXX ± .025mm] ANGLES = $\pm 0.5^\circ$		APPROVAL AND RELEASE RECORDS MAINTAINED IN PDM				DATE	
INTERPRET DRAWING PER ANSI Y14.5-2009		DESIGNER	OMARRUFO	6-19-2015	TITLE: PCB, 1.00X2.00X0.011T, TGP2109 (DIE ON BRD)		
 THIRD ANGLE PROJECTION DO NOT SCALE DRAWING		ENGR.	DALLEN	6-19-2015	SIZE DWG. NO.		REV.
		PDM CONTROLLED			B AD1_1131350		B
		CAGE CODE			1CVM1		Sheet 1 of 7

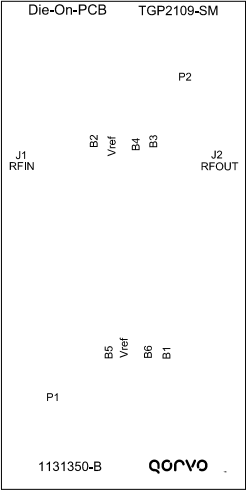
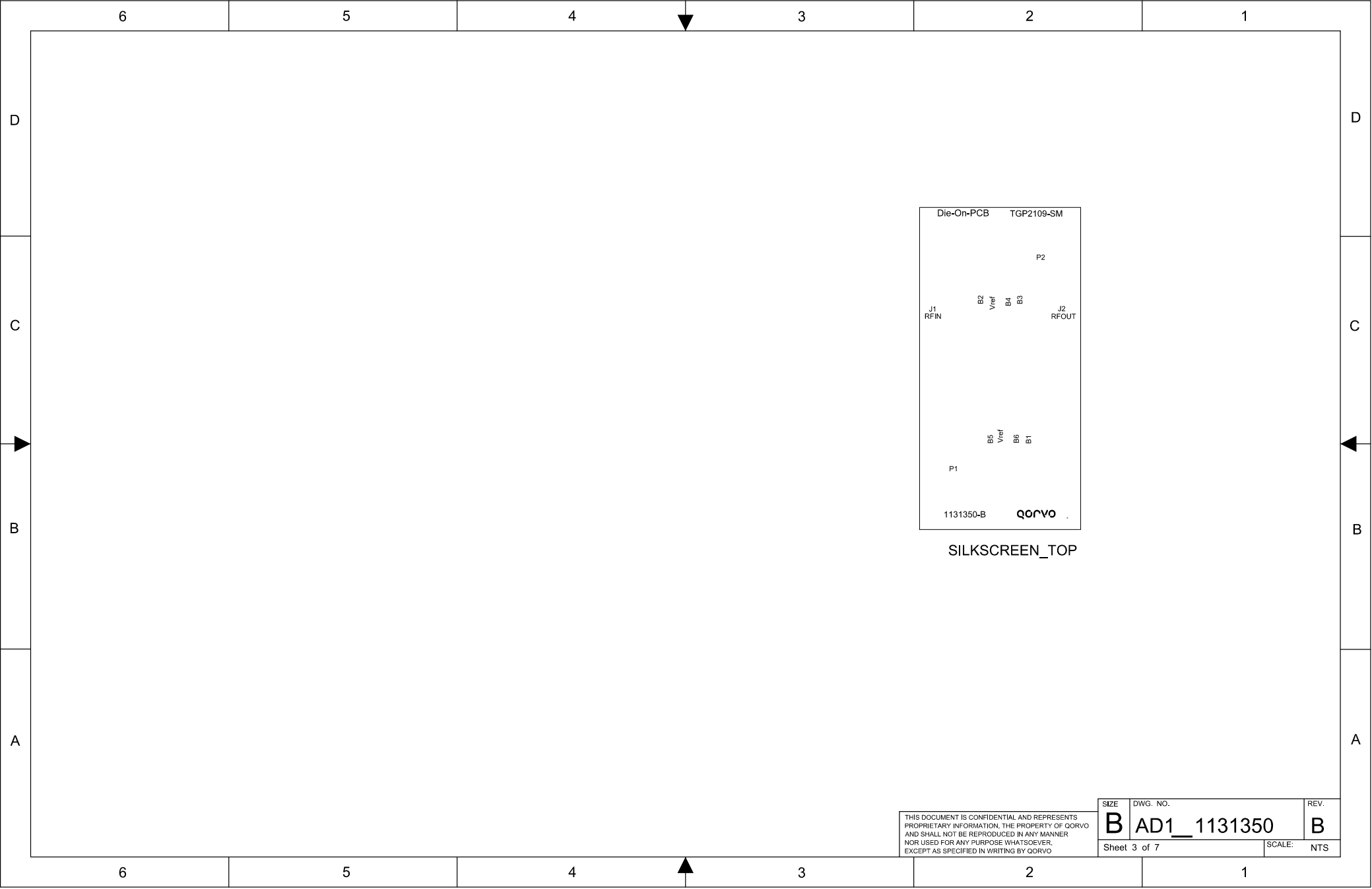
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METAL2_BOT

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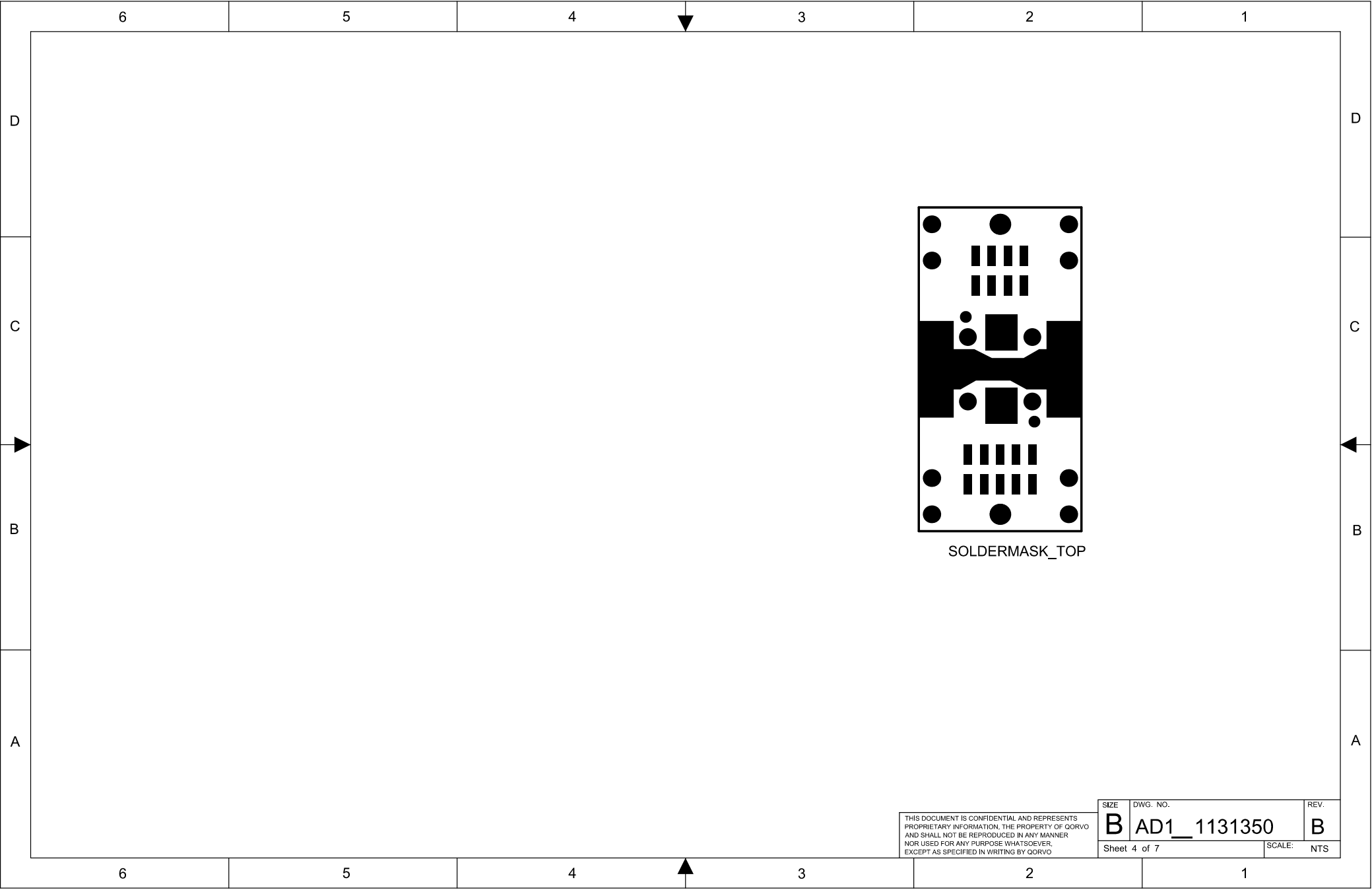
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SILKSCREEN_TOP

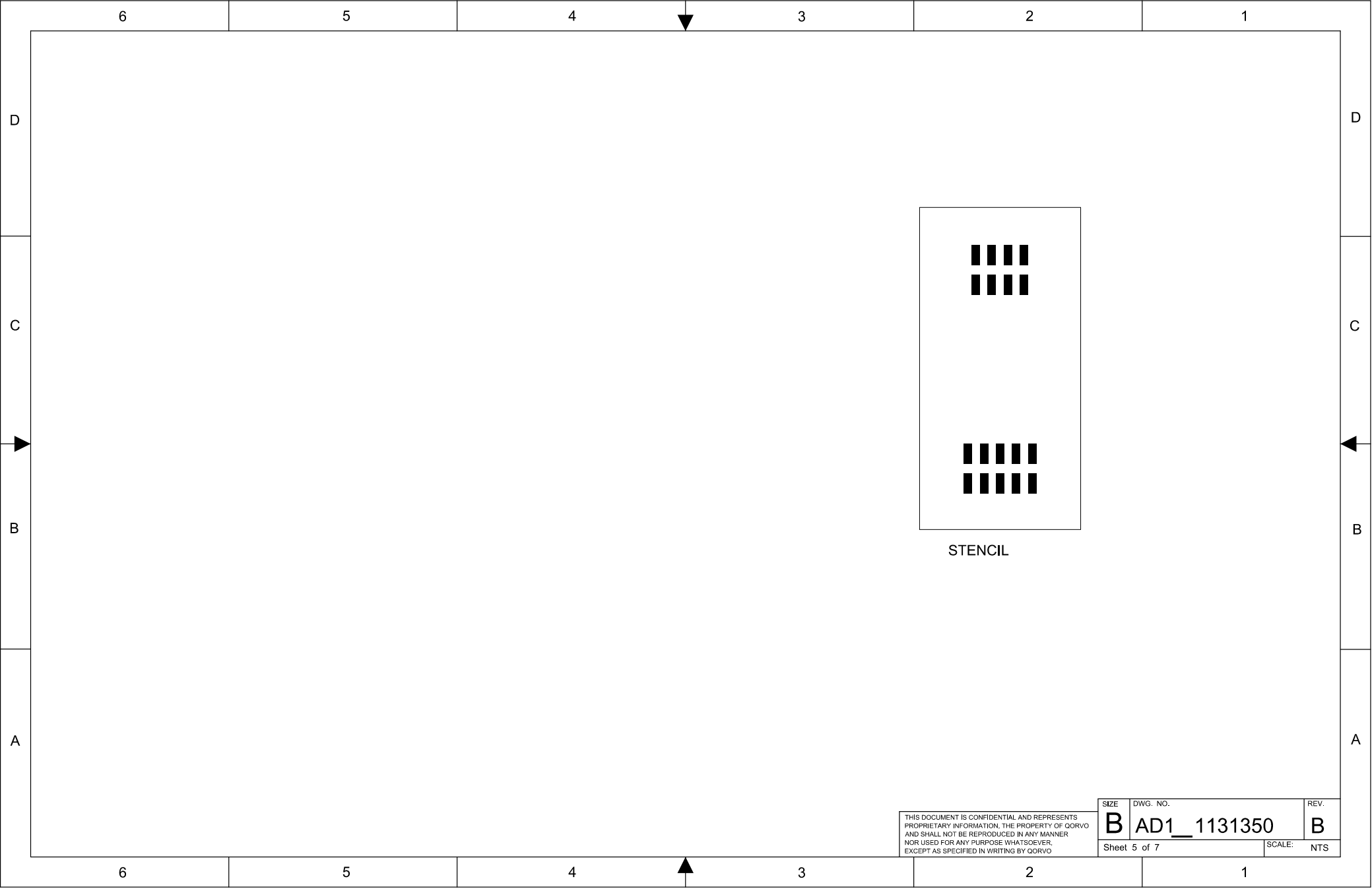
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