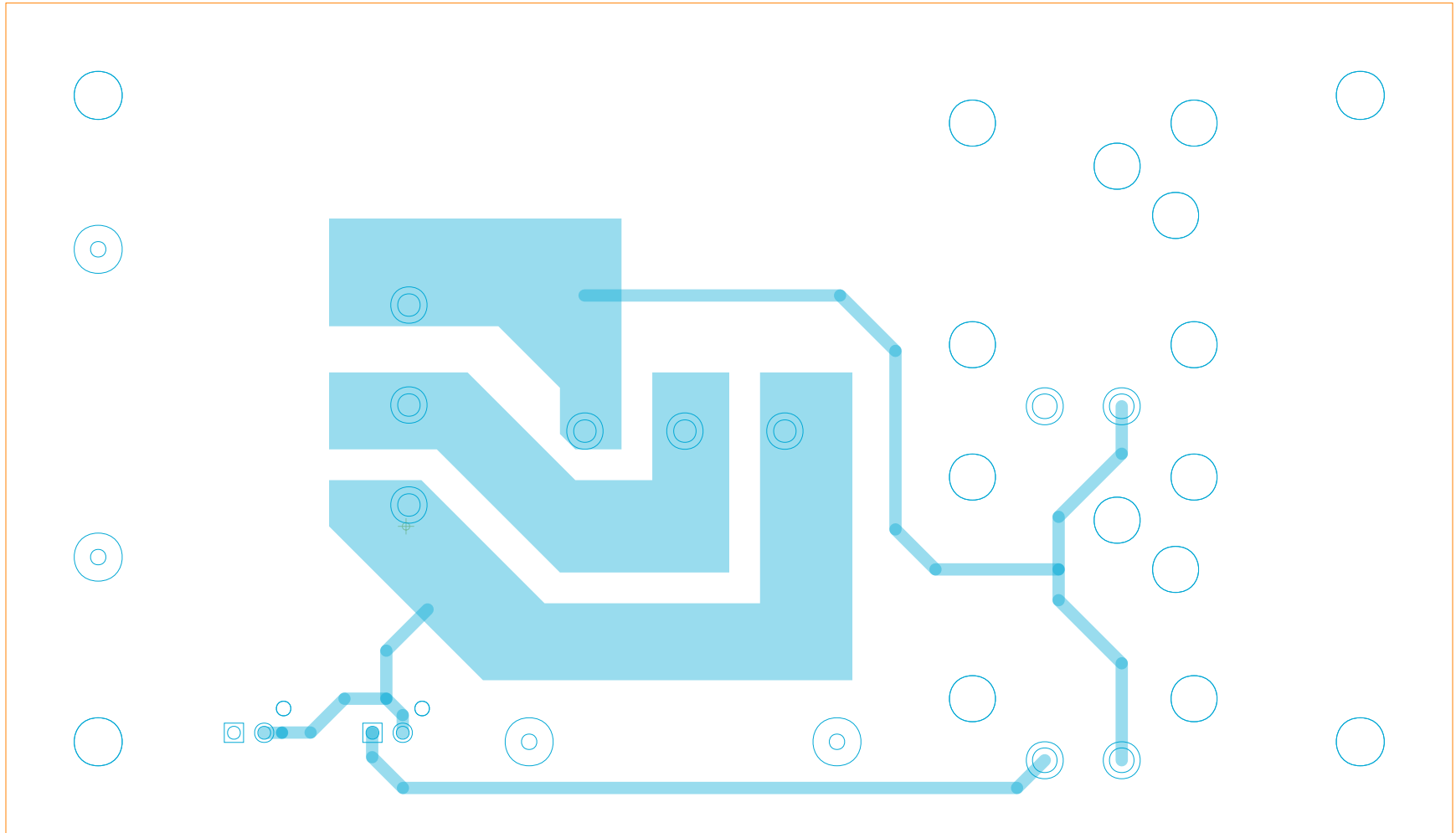
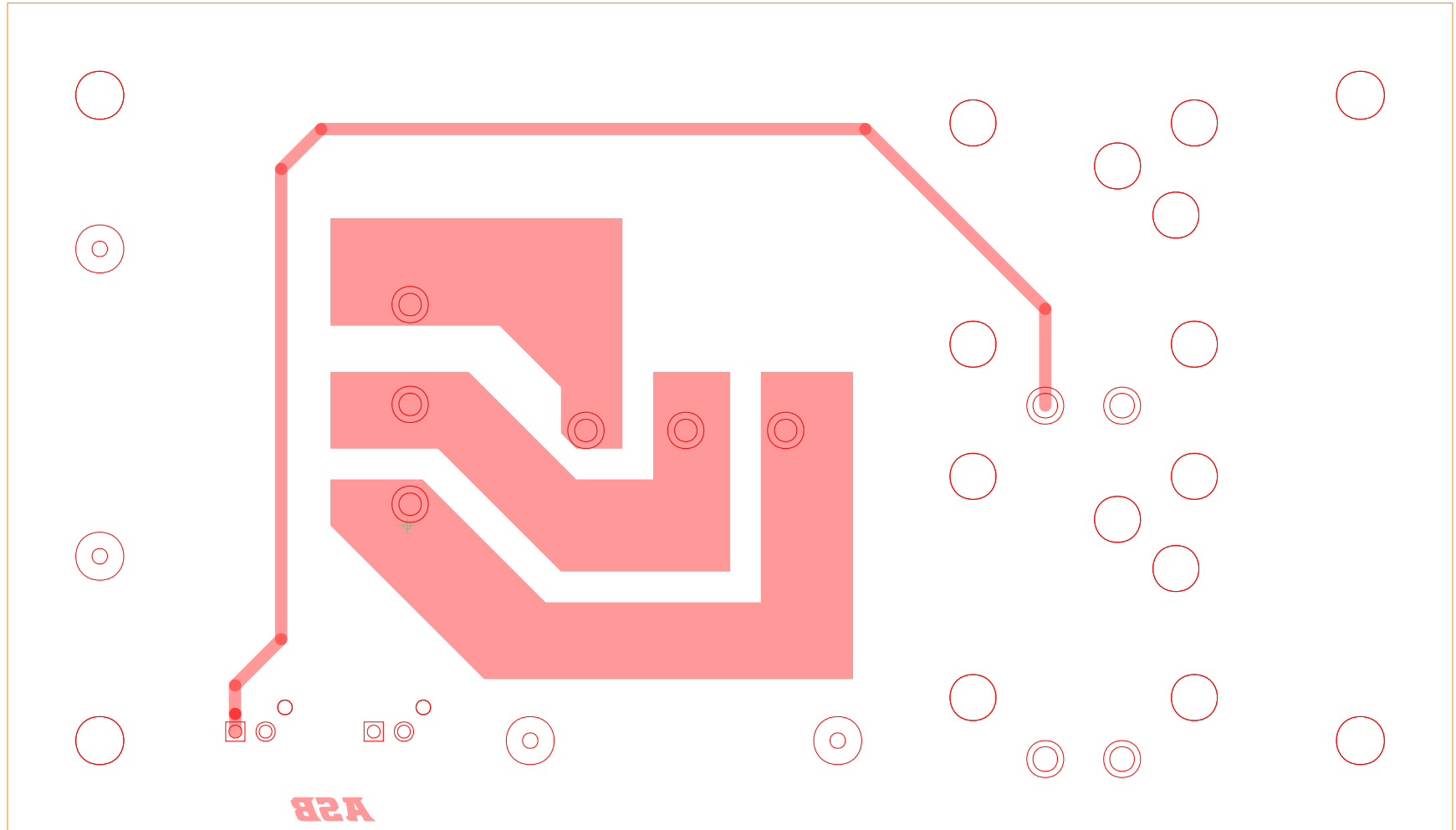
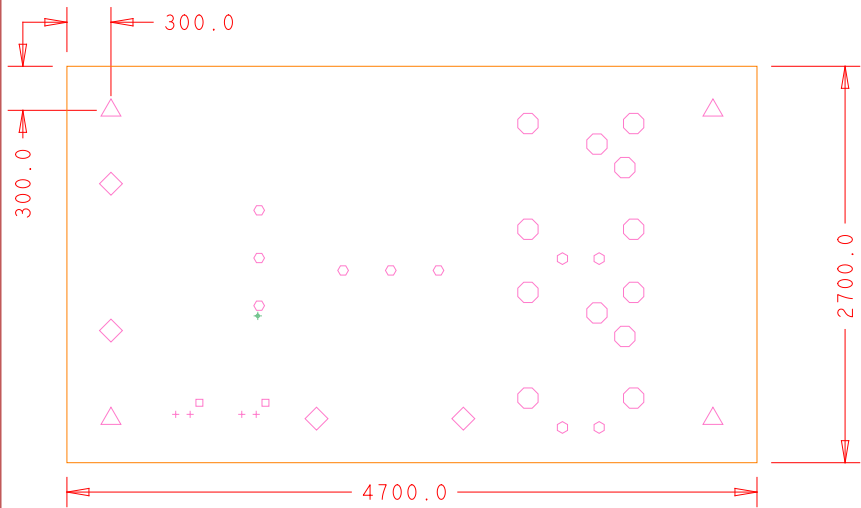


ART FILM - TOP



ART FILM - TOP



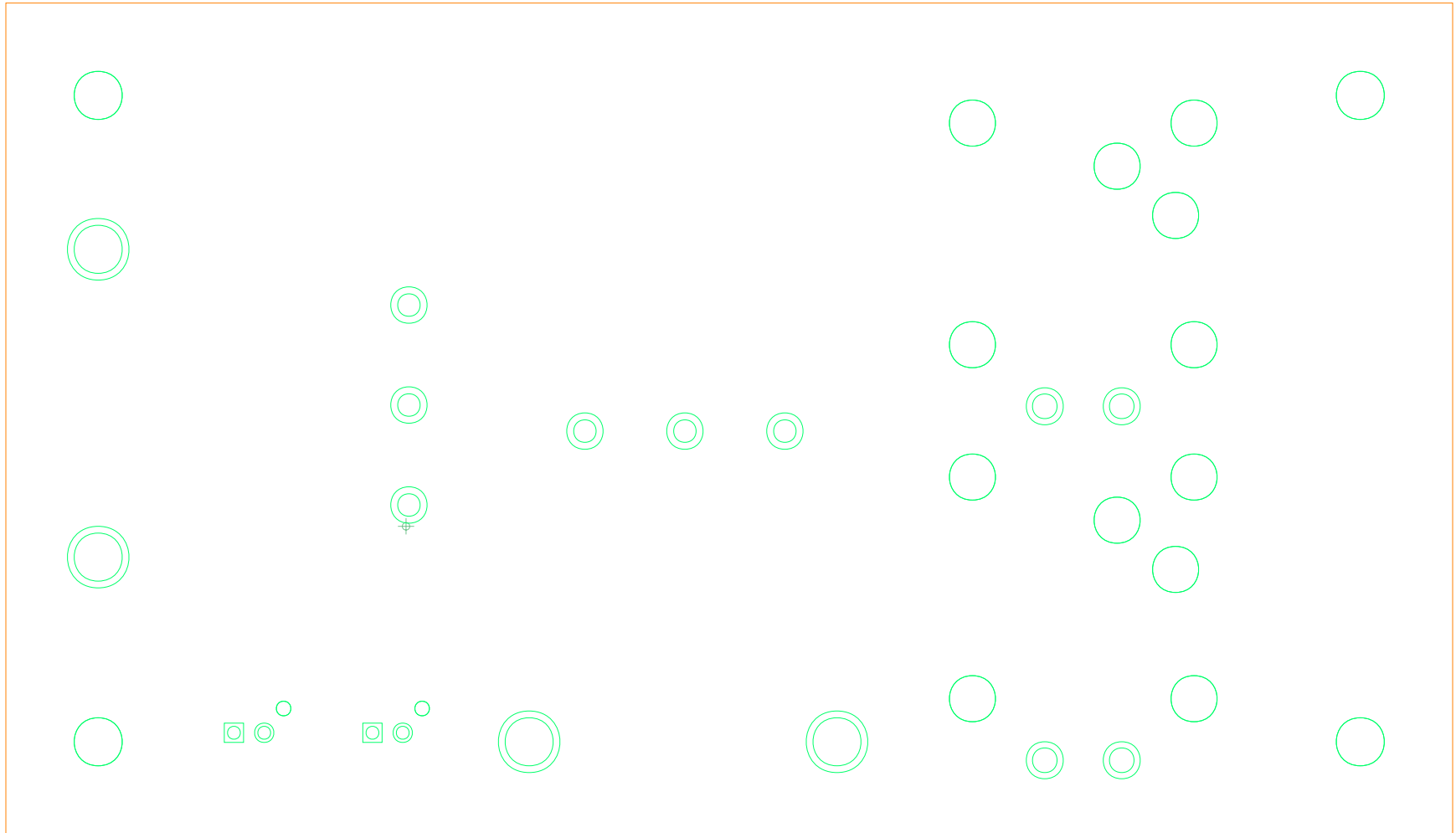


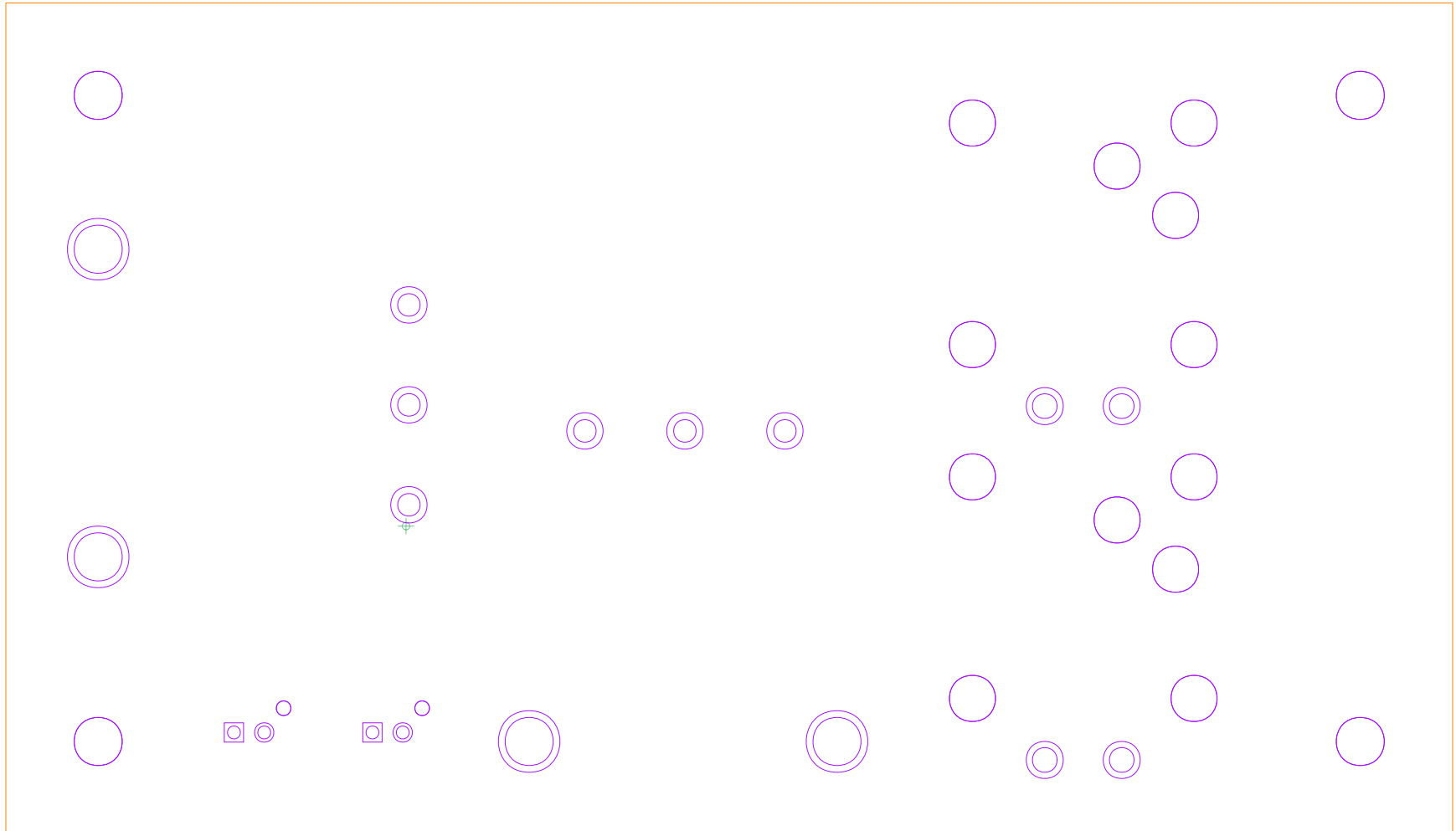
- FABRICATION NOTES (UNLESS OTHERWISE SPECIFIED):
1. TOP SIDE SHOWN.
  2. BUILD IN ACCORDANCE WITH ALL IPC STANDARDS RELEVANT TO PRINTED CIRCUIT BOARD FABRICATION.
  3. DIELECTRIC MATERIAL SHALL MEET THE REQUIREMENTS TYPE 370HR PER STACKUP DETAIL OR EQUIVALENT AND SATISFY ANY IMPEDANCE REQUIREMENTS.
  4. DRILL HOLE, SLOT, AND CUTOUT DIMENSIONS ARE SHOWN AFTER PLATING.
  5. SILKSCREEN BOTH SIDES USING EPOXY OR ACRYLIC BASED WHITE NON-CONDUCTIVE SILKSCREEN. SILKSCREEN TO BE REMOVED FROM ANY CONDUCTIVE SURFACE.
  6. ETCH VENDOR ID, UL DESIGNATION, AND DATECODE ON THE BACKSIDE.
  7. SOLDER MASK BOTH SIDES GREEN, NO SOLDERMASK ON COMPONENT PINS.
  8. IMPEDANCE REQUIREMENTS ARE AS FOLLOWS: +/- 10%  
~~IF PRESENT, ALL OUTER 6.35 MIL WIDE TRACES AS OHM SINGLE ENDED.~~  
~~IF PRESENT, ALL INNER 6.35 MIL WIDE TRACES AS OHM SINGLE ENDED.~~  
~~TRACE WIDTHS SHALL NOT BE MODIFIED WITHOUT APPROVAL.~~
  9. NO CHANGES WILL BE ALLOWED TO DESIGN WITHOUT SPECIFIC APPROVAL.
  10. ALL MATERIALS ARE TO BE ROHS AND WEEE COMPLIANT.
  11. LAYER STACKUP INFORMATION INCLUDED IN THIS DRAWING SHOWS OUTER LAYER THICKNESS AFTER PLATING AND SUPERSEDES ANY OTHER DESIGN DOCUMENTATION.
  12. ELECTRICALLY DISCONNECTED COPPER THIEVING IS ACCEPTABLE TO HELP MAINTAIN COPPER PLATING DISTRIBUTION IN LOW PRESSURE AREAS TO AVOID DELAMINATION.
  13. ~~DO NOT PROVIDE BOARDS IN ARRAY FORMAT. ARRAYS SHOULD HAVE MINIMUM OF 250 MILS ON ALL SIDES.~~

DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	FINISHED SIZE	TOLERANCE DRILL	PLATED	QTY
+	41.7	+4.0/-4.0	PLATED	4
□	47.2	+4.0/-4.0	PLATED	2
○	72.8	+5.0/-5.0	PLATED	6
○	79.9	+5.1/-5.1	PLATED	4
○	149.6	+8.0/-8.0	PLATED	12
△	156.0	+3.0/-3.0	NON-PLATED	4
◇	156.0	+8.0/-8.0	NON-PLATED	4

STACKUP TABLE				
Unit = MILS				
#	NAME	TYPE	MATERIAL	THICKNESS
		SURFACE	AIR	0
1	TOP	CONDUCTOR	COPPER	1.7
		DIELECTRIC	FR-4	58
2	BOTTOM	CONDUCTOR	COPPER	1.7
		SURFACE	AIR	0
TOTAL THICKNESS				61.4

UNLESS OTHERWISE SPECIFIED  DIMENSIONS ARE IN MILS TOLERANCES ON:	SIGNATURES		DATE		ALWAYS HARDCORE DESIGN		
	DRAWN: ARIC BEAVER		07/29/20		DP SWITCH BARRIER BLOCK INTERFACE		
	CHECKED: ARIC BEAVER		07/29/20				
	ENGRG: ARIC BEAVER		07/29/20				
	ISSUED: ARIC BEAVER		07/29/20		SIZE A	REVISION REV D	DWG NO AHC-20-001
					SCALE 1 / 1	DRAWING FABRICATION	SHEET 1 OF 3





ART FILM - PMASKTOP

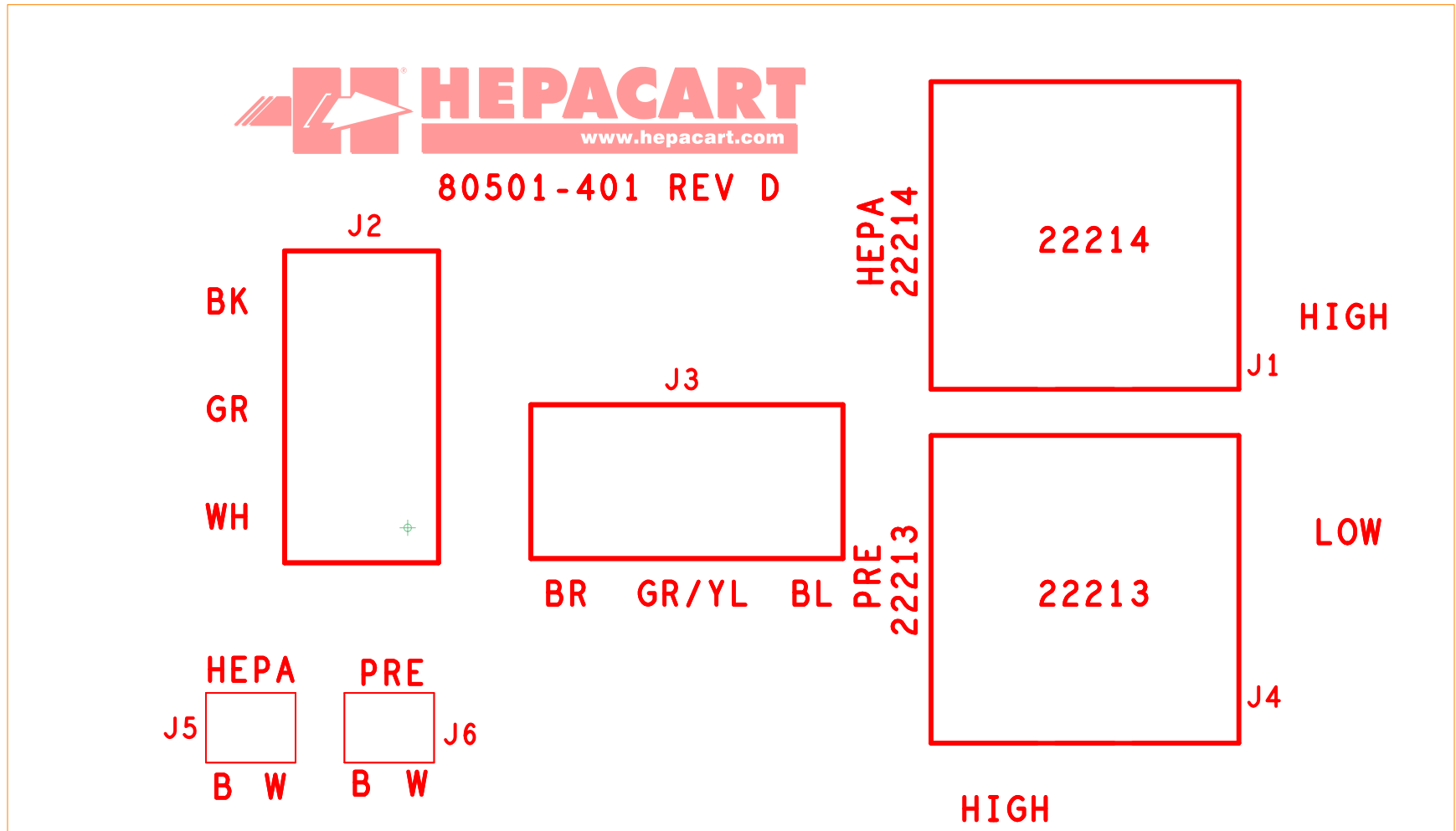


ART FILM - PMASKTOP

ART FILM - PMASKBOT

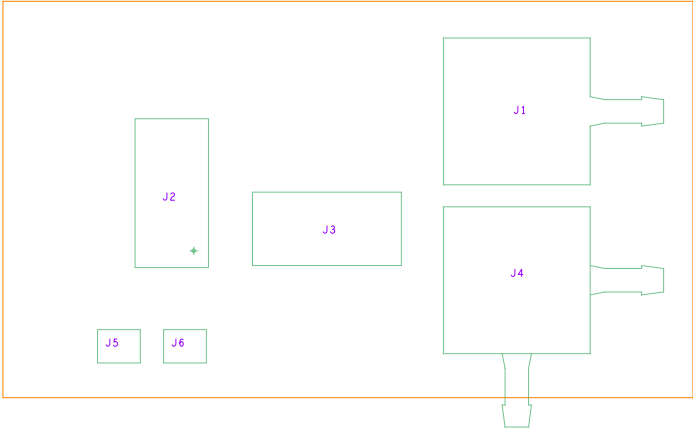


ART FILM - PMASKBOT









- ASSEMBLY TOP NOTES (UNLESS OTHERWISE SPECIFIED):
- 1. ASSEMBLE AND INSPECT IN ACCORDANCE WITH ALL IPC STANDARDS RELEVANT TO PRINTED CIRCUIT BOARD ASSEMBLY.
  - 2. ALL MATERIALS ARE TO BE ROHS AND WEEE COMPLIANT.
  - ~~3. IF BARE BOARDS ARE SUPPLIED THEY WILL BE AN <ARRAY OR INDIVIDUAL PEICES>.~~
  - 4. ONLY PARTS CONTAINED IN BILL OF MATERIALS SHALL USED FOR TURN-KEY ASSEMBLY UNLESS EQUIVALENT PART IS APPROVE.
  - 5. REMOVE ANY KAPTON TAPE COVERING COMPONENTS.
  - 6. "DNI" REFERENCE IN BILL OF MATERIALS MEANS DO NOT INSTALL ON PCB.
  - 7. RETURN ANY UNASSEMBLED OR EXTRA COMPONENTS WITH ASSEMBLED PCBs.
  - 8. REFLOW HEAT PROFILE ARE REQUIRED TO PROPERLY ATTACH COMPONENTS.
  - 9. HIDDEN PINS ON BGA OR CSP PACKAGES ARE REQUIRED TO BE X-RAY'ED FOR PROPER SOLDER ATTACH.
  - 10. REMOVE ARRAY MOUSE BITES ON EDGE OF FINISHED PCB WITH PLUNGE ROUTER.
  - 11. SOLDERMASK BARREL RELIEF TO AVOID ASSEMBLY ISSUES ON LARGE SURFACE MOUNT PADS IS ACCEPTABLE.
  - 13. ASSEMBLY VARIATIONS EXIST IN THIS DESIGN AND A BILL OF MATERIALS FOR EACH VARIANT IS PROVIDED.

UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE	ALWAYS HARDCORE DESIGN		
DIMENSIONS ARE IN MILS TOLERANCES ON:	DRAWN: ARIC BEAVER	07/29/20	DP SWITCH BARRIER BLOCK INTERFACE		
	CHECKED: ARIC BEAVER	07/29/20			
	ENGRG: ARIC BEAVER	07/29/20			
	ISSUED: ARIC BEAVER	07/29/20	SIZE A	REVISION REV D	DWG NO AHC-20-001
			SCALE 1/1	DRAWING ASSEMBLY TOP	SHEET 2 OF 3

11

SCALE

ASSEMBLY BOTTOM

3 OF 3

111

DRAWING

REV D

DWG NO

AHC-S0-001

DP SWITCH BARRIER BLOCK INTERFACE

ALWAYS HARDWARE DESIGN

UNLESS OTHERWISE SPECIFIED	SIGNATURES		DATE
DIMENSIONS ARE IN MILS TOLERANCES ON:	ISSUED:	ARIC BEAVER	01/25/50
	ENGRD:	ARIC BEAVER	01/25/50
	CHECKED:	ARIC BEAVER	01/25/50
	DRAWN:	ARIC BEAVER	01/25/50

10

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1. USE ASSEMBLY TOP NOTES.

ASSEMBLY BOTTOM NOTES (UNLESS OTHERWISE SPECIFIED):