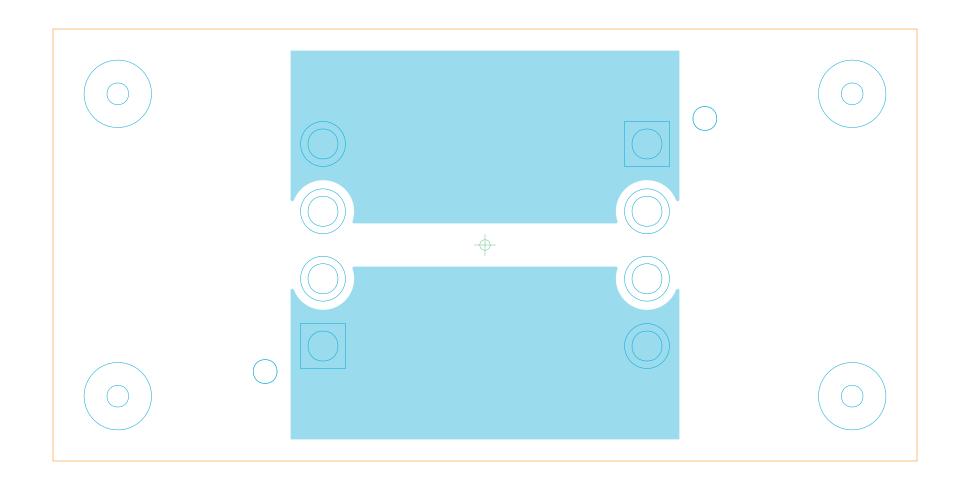
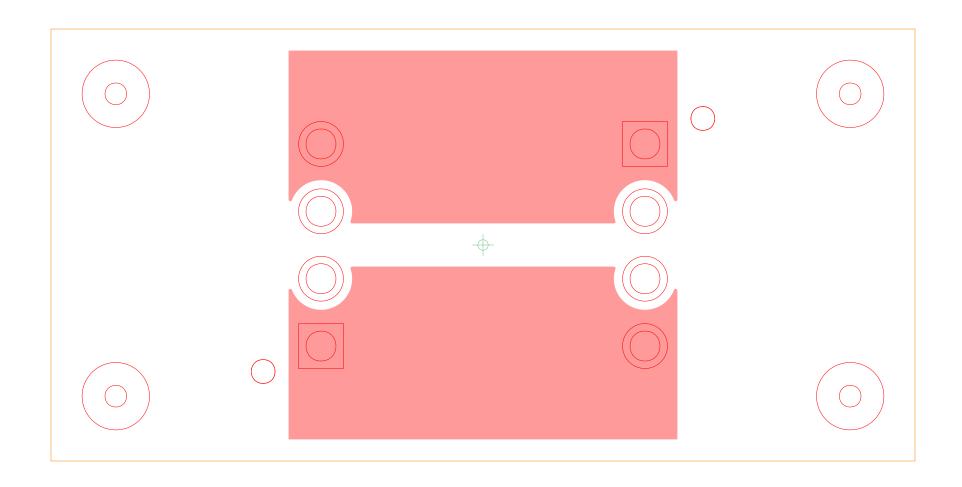
ART FILM - top



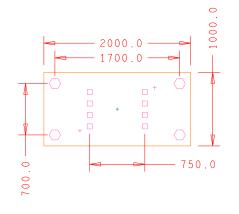
ART FILM - top

ART FILM - bottom



ART FILM - bottom

ART FILM - fab



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 AT 10% OHM SINGLE ENDED:
- 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.

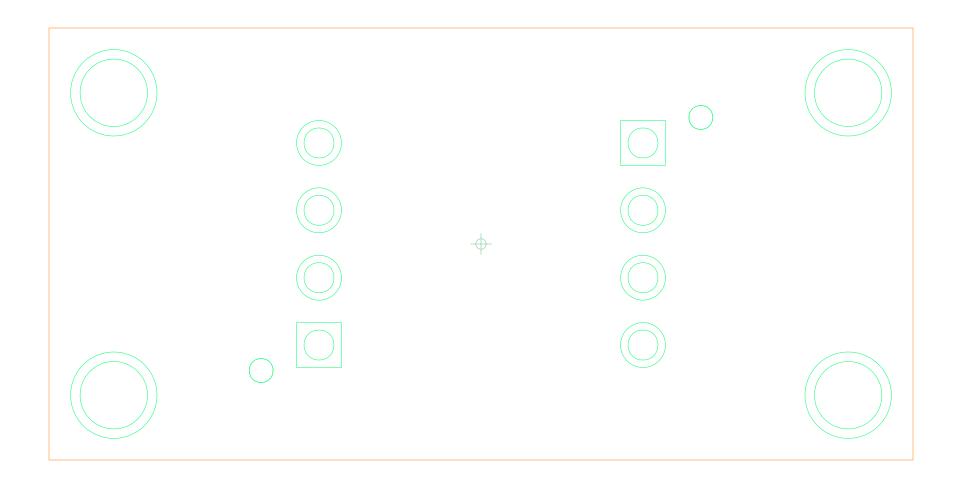
-13. <DO NOT> PROVIDE BOARDS IN ARRAY FORMAT. ARRAYS SHOULD HAVE MINIMUM OF 250 MILS ON ALL SIDES.

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

	DRILL CHART: TOP	to BOTTOM					
ALL UNITS ARE IN MILS							
FIGURE	FINISHED_SIZE	PLATED	QTY				
+	55.1	PLATED	2				
	69.3	PLATED	8				
\bigcirc	156.0	NON-PLATED	4				

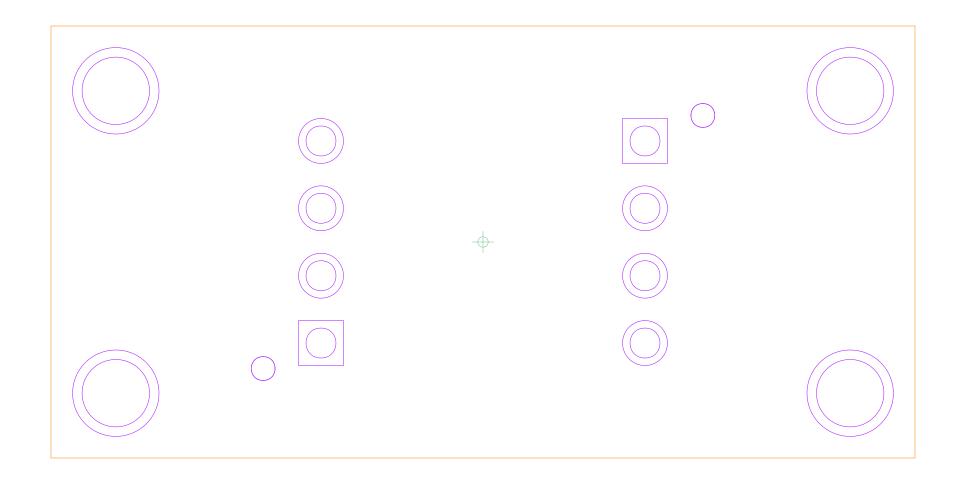
UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE	ΔΙ	WΔ,	YS HA	RDCORE	DFS	TGN
DIMENSIONS ARE IN MILS	DRAWN: ARIC BEAVER	10/29/19	/ \ C \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					7 1 011
TOLERANCES ON:	CHECKED: ARIC BEAVER	10/29/19	RELAY PCB					
	ENGRG: ARIC BEAVER	10/29/19				Land		
	ISSUED: ARIC BEAVER	10/29/19	A	REVISIO		DWG NO AHC - 19 - 001		
			SCALE	1 / 1	DRAWING FABI	RICATION	SHEET	1 OF 3

ART FILM - soldermask_top



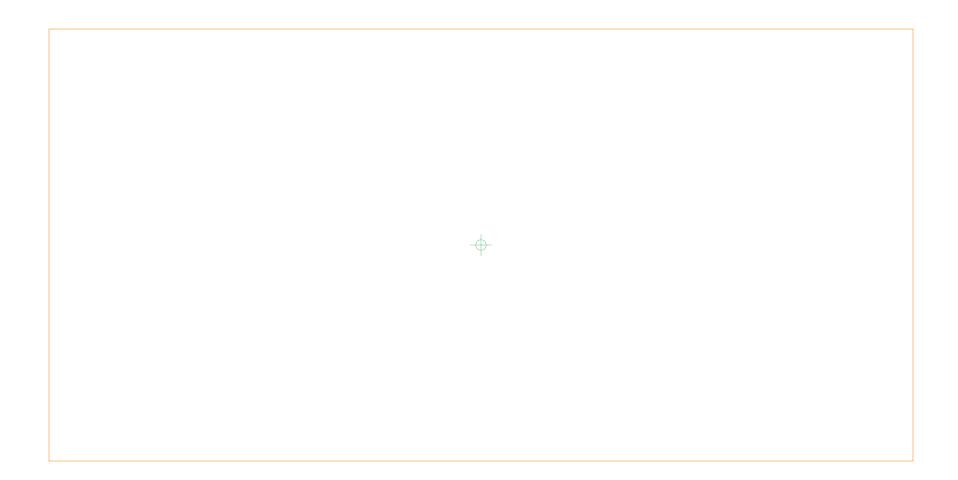
ART FILM - soldermask_top

ART FILM - soldermask_bottom



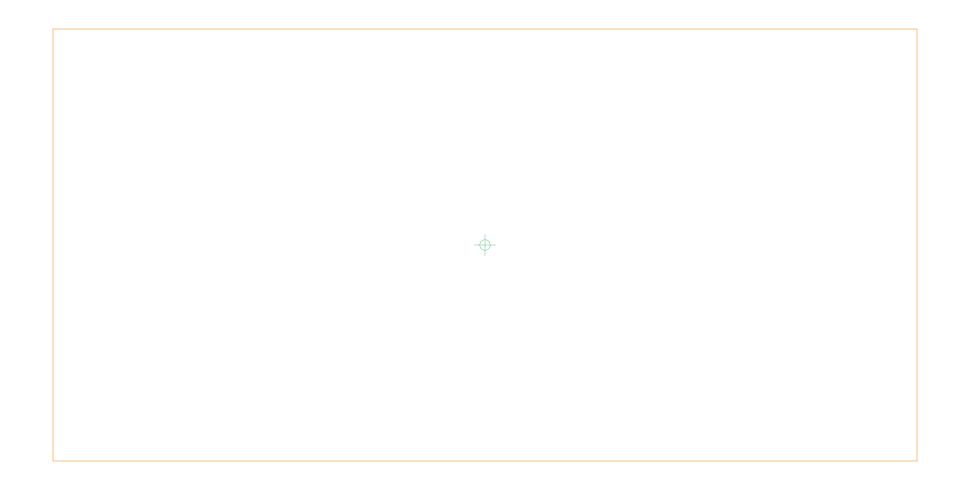
ART FILM - soldermask_bottom

ART FILM - pastemask_top



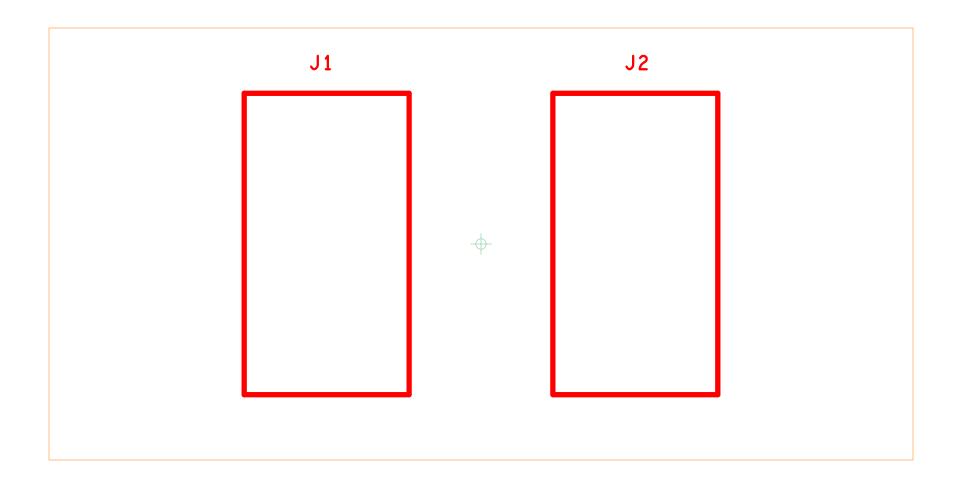
ART FILM - pastemask_top

ART FILM - pastemask_bottom



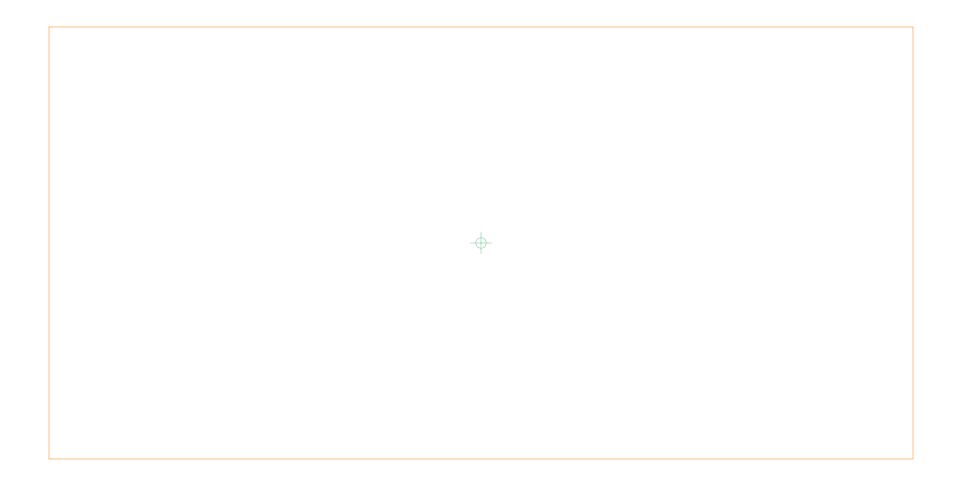
ART FILM - pastemask_bottom

ART FILM - silkscreen_top



ART FILM - silkscreen_top

ART FILM - silkscreen_bottom



ART FILM - silkscreen_bottom

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 KARRAY 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 RELIFE TO AVOID ASSEMBLY ISSUES ON LARGE SURFACE MODIT PADS IS ACCEPTABLE. -13. ASSEMBLY VARIATIONS EXIST IN THIS DESIGN AND A BILL OF MATERIALS FOR SIGNATURES DATE UNLESS OTHERWISE SPECIFIED ALWAYS HARDCORE DESIGN DRAWN: ARIC BEAVER DIMENSIONS ARE IN MILS 10/29/19 TOLERANCES ON: CHECKED: ARIC BEAVER 10/29/19 RELAY PCB ENGRG: ARIC BEAVER 10/29/19 REVISION DWG NO ISSUED: AHC-19-001 REV0 10/29/19 ARIC BEAVER DRAWING ASSEMBLY TOP 2 OF 3

	+					
E DESIGN	HARDCOR	2 Y A W A	DATE	SIGNATURES	UNLESS OTHERWISE SPECIFIED	
			10/29/19	DRAWN: ARIC BEAVER	DIMENSIONS ARE IN MILS TOLERANCES ON:	
	RELAY PCB		10/29/19	CHECKED: ARIC BEAVER		
	рме ио	SIZE REVISION		ENGRG: ARIC BEAVER ISSUED:		
Tabus		A REVO		ARIC BEAVER		
OM 3HEE 3 OF 3	ASSEMBLY BOTT	1/1				