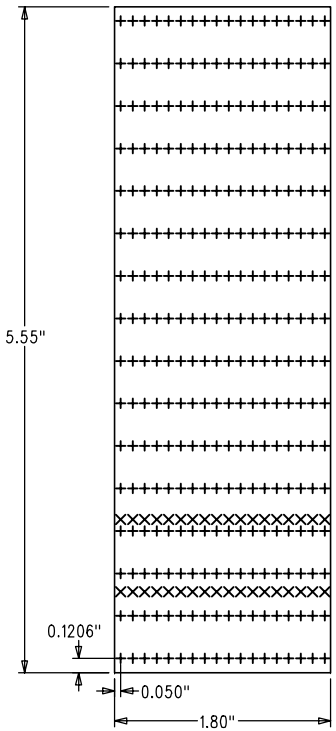
REVISION RECORD			
LTR:	ECO NO:	APPROVED:	DATE:

FRONT SUMMING BOARD 1
10-794-1 REV D
10/15/98 KJW



(VIEWED FROM PRIMARY SIDE)

FABRICATION NOTES (REV 1.0)

1) FINISHED TRACE LINE WIDTHS SHOULD MATCH SUPPLIED GERBER FILES.

2) MATERIAL :
☒ FR4 (GF per MIL-P-13949) ☐ GPY (GI per MIL-P-13949) ☐ OTHER

3) COPPER WEIGHT:
OUTER LAYERS : ☐ 1/4 oz. ☐ 1/2 oz. ☒ 1 oz. ☐ 2 oz.
INNER LAYERS : ☐ 1/4 oz. ☐ 1/2 oz. ☐ 1 oz. ☐ 2 oz. ☒ NONE

4) SOLDER MASK
☒ LIQUID PHOTOIMAGEABLE ☐ DRY FILM ☐ NONE
☒ OVER BARE COPPER ☐ OVER TIN LEAD ☐ OVER FULL BODY GOLD
☒ GREEN ☐ RED ☐ BLUE

5) OVERALL BOARD THICKNESS:
☐ 0.062" ☐ 0.093" ☐ 0.125" ☒ 0.030"
☒ +/- 0.005" ☐ +/- 0.007" ☐ +/- 0.010" ☐ OTHER

6) BARE BOARD ELECTRICAL TEST:
☒ TESTED TO GERBER DATA ☐ NO TEST REQUIRED

7) HOLE DIAMETER TOLERANCES ARE: (except where noted)
PLATED HOLES : +/- 0.003". NON PLATED HOLES : +/- 0.002".

8) SILK SCREEN USING EPOXY BASED INK.
☐ BOTH SIDES ☐ PRIMARY SIDE ☐ SECONDARY SIDE ☒ NONE
☐ WHITE ☐ YELLOW ☐ BLACK

9) MINIMUM ANNULAR RING:
☒ .003" FOR EXTERNAL LAYERS
☒ .002" FOR INTERNAL LAYERS

10) PLANE REGISTRATION:
+/- .005" TO TOP PLANE FOR ALL PLANES

11) MINIMUM PLATING THROUGH ALL HOLES IS:
.001" THICK COPPER

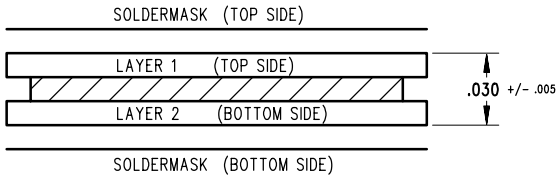
12) WARP AND TWIST:
NOT TO EXCEED .007" PER INCH ACROSS THE DIAGONAL

13) ACCEPTABILITY: (PER LATEST REVISION)
☒ IPC-A-600 ☐ IPC-RB-276 ☐ MIL-P-55110

HOLE SIZE CHART

	SYM	SIZE (AFTER PLATING)	QTY	PLATED
	+	.037 +.003 -.003	288	YES
*	×	.0595 +.002 -.002	36	YES

LAYUP DETAIL
2 LAYER



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES

DECIMALS	ANGULAR
.XX ± .010	± 1/2°
.XXX ± .005	
.XXXX ± .005	

DO NOT SCALE DRAWING

DRAWN: K WOLNIEWICZ	DATED: 10-15-98	COMPANY:	BROOKHAVEN NATIONAL LABORATORY INSTRUMENTATION DIVISION UPTON, NY 11973
CHECKED:	DATED:	TITLE:	FRONT SUMMING BOARD 1
QUALITY CONTROL:	DATED:	CODE:	SIZE: B / DRAWING NO: 10-794-1 / REV: D
RELEASED:	DATED:	SCALE: 1 : 1	SHEET: 1 OF 1