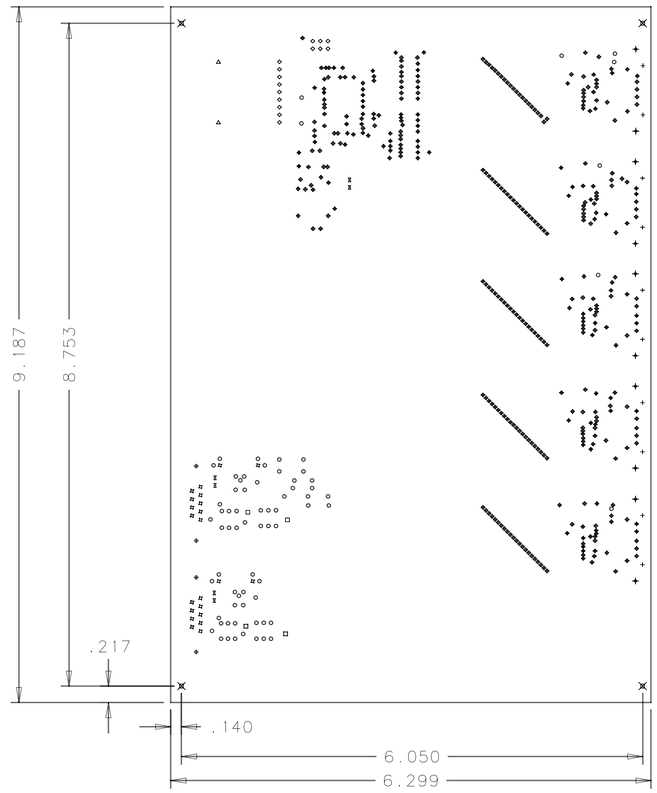
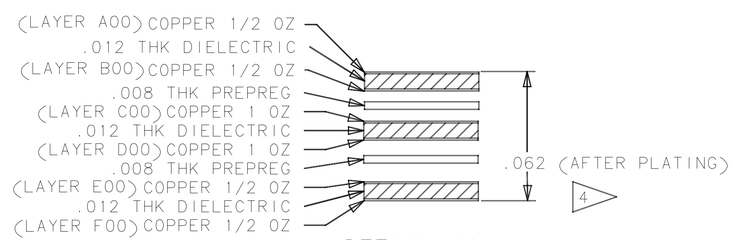
ITEM	PART NO.	QTY.	DESCRIPTION
1	10Y-226430 M1 - M10	REF	ARTWORK



NOTES: UNLESS OTHERWISE SPECIFIED

1. FABRICATE PRINTED WIRING BOARD PER IPC-4101
2. MATERIAL; TYPE PC-GF PREPREG AND TYPE GFN COPPER CLAD EPOXY LAMINATE WITH A MINIMUM GLASS TRANSITION TEMPERATURE OF 125°C. WITH TYPE H COPPER FOIL PER MIL-P-13949.
3. PREPREG: FINISHED BOARDS SHALL HAVE A MINIMUM OF .0035 INCH OF PREPREG MATERIAL BETWEEN CONDUCTIVE LAYERS.
4. ELECTRODEPOSIT COPPER PLATING PER MIL-C-14550 A MINIMUM THICKNESS OF .001 INCH FOR 1 OZ CALLOUTS ON ALL EXTERNAL LAYERS AND HOLES IS REQUIRED.
5. TIN-LEAD PLATE PER QQ-S-571 TO A MINIMUM THICKNESS OF .0001 ON EXTERNAL LAYERS AND ALL HOLES.
6. ANNULAR RING: A MINIMUM OF .002 INCH IS REQUIRED ON ALL EXTERNAL LAYERS AND .001 INCH ON INTERNAL LAYERS.
7. SEE DETAIL 'A' FOR BOARD CROSS SECTION.
8. FOR DRILL SIZES AND COORDINATES SEE CLINK_TX NC.
9. ETCHBACK: THE MAXIMUM ALLOWABLE IS .003 INCH.
10. 100 OHM IMPEDANCE MICROSTRIP TRACES TO BE WITHIN +/- 10% VENDOR MAY CHANGE STACKUP TO MANTAIN REQUIRED IMPEDANCES.

DRILL SYMBOL	DRILL SIZE	COUNT	PLATED
✥	0.012	388	YES
○	0.02	71	YES
□	0.032	4	YES
◇	0.04	15	YES
⧗	0.042	6	YES
⌑	0.045	22	YES
△	0.07	2	YES
+	0.079	10	NO
×	0.109	4	NO
✦	0.11	10	NO
⊕	0.12	4	NO



DETAIL 'A'

6 LAYER

10 100 OHM IMPEDANCE BETWEEN LAYERS 1(A) & 3(C) .007 WIDE TRACE

(THESE ARE MICRO-STRIP TRACES REFERENCING INTERNAL PLANES)

REVISION LETTER	CLASS REVIEW	REVISIONS	DATE	CHANGED BY	CHECKED BY	APPROVED BY
B		CHANGED MATERIAL TO FR4	8/15/00	G.S.		
A		REWORKED LAYOUT	7/18/00	G.S.		
		ORIGINAL ISSUE				

LOS ALAMOS
LOS ALAMOS NATIONAL LABORATORY
LOS ALAMOS, NEW MEXICO 87545

CLASSIFICATION OF DRAWING: UNCL
PART: UNCL TITLE BLOCK: UNCL

TITLE
CLINK_TX
CLINK_TX
DETAIL

	SIGNATURE	DATE	GROUP
ORIGINATED	M.ECHAVE	01-03-00	NIS-4
DRAWN	G.SAEWERT	01-03-00	NIS-4
CHECKED			
PROJ. ENGR.			
APPROVED			
RELEASED			

.X= +/-____ 0.XX= +/-____ ANGULAR= +/-____
0.X= +/-____ 0.XXX= +/-____ FINISH= +/-____

SCALE	TOTAL SHEETS	DRAWING NO.	SIZE	SHEET NO.
1/1		10Y-226430		DD15