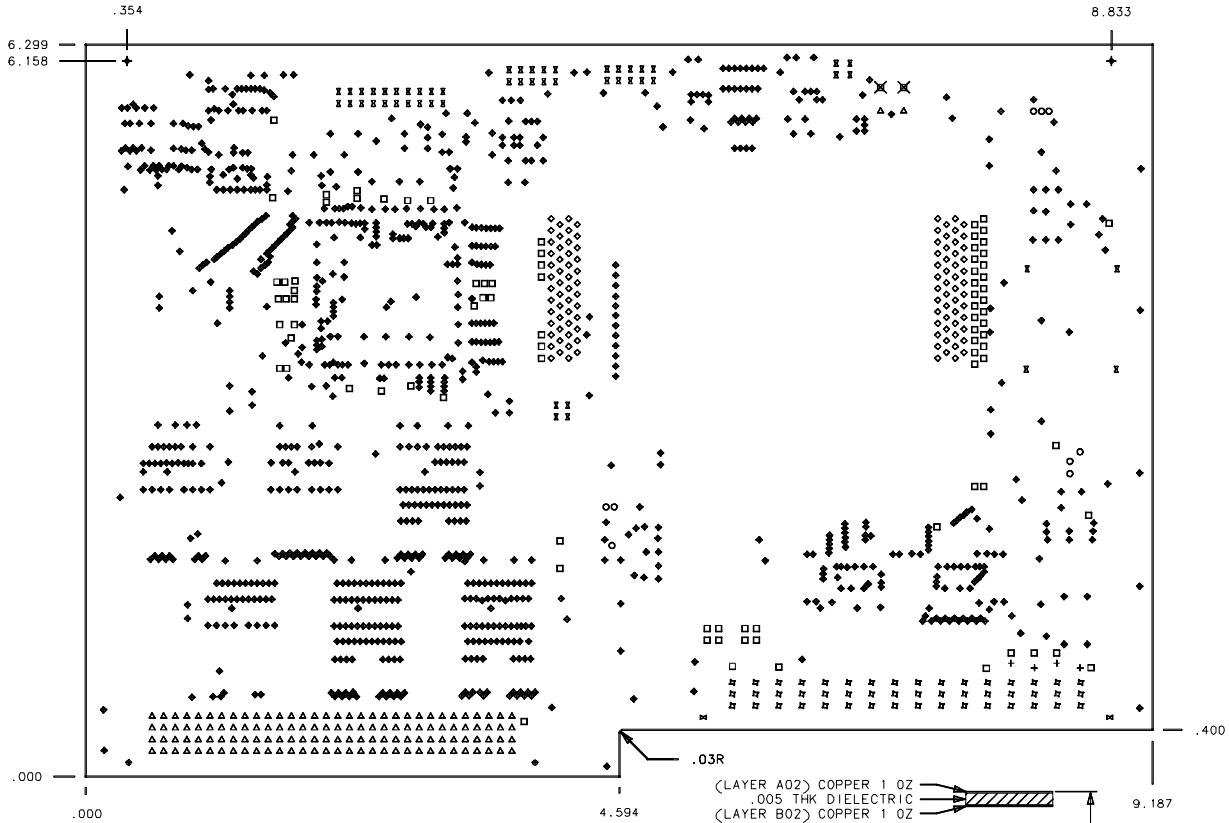
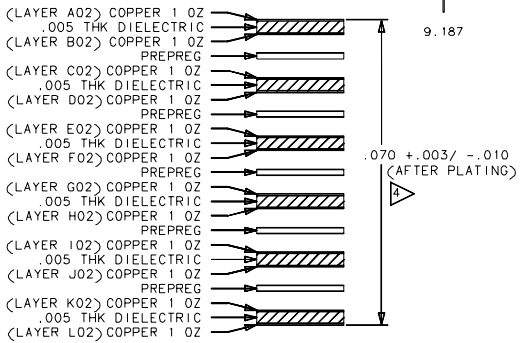
ITEM	PART NO.	QTY.	DESCRIPTION
1	10Y-226430 M1 - M18	REF	ARTWORK



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 CNTL NC.
9. ETCHBACK: THE MAXIMUM ALLOWABLE IS .003 INCH.

DRILL SYMBOL	DRILL SIZE	COUNT	PLATED
◆	0.01	1041	YES
○	0.028	9	YES
□	0.03	88	YES
◇	0.037	100	YES
⧗	0.04	52	YES
⧖	0.042	48	YES
△	0.045	130	YES
+	0.047	4	YES
×	0.045	2	NO
✦	0.094	2	NO
⬟	0.102	2	NO
⋈	0.109	2	NO



DETAIL 'A'

12 LAYER

REVISION LETTER	CLASS REVIEW	REVISIONS	DATE	CHANGED BY	CHECKED BY	APPROVED BY
B		REVISED BOARD	2/2/00	G.S.		
A		REVISED BOARD	11/17/99	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

MUON CNTL DETAIL

	SIGNATURE	DATE	GROUP
ORIGINATED	S.ROBINSON	7/22/99	NIS-4
DRAWN	G.R.	7/22/99	NIS-4
CHECKED			
PROJ. ENGR			
APPROVED			
RELEASED			

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

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

SCALE	TOTAL SHEETS	DRAWING NO.	SHEET SIZE	NO
2/1		10Y-226430	D6	