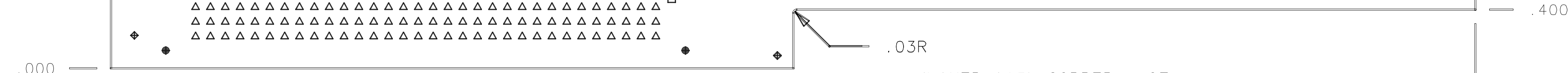


ITEM	PART NO.	QTY.	DESCRIPTION
1	10Y-226430 M1 - M18	REF	ARTWORK

- NOTES: UNLESS OTHERWISE SPECIFIED
- FABRICATE PRINTED WIRING BOARD PER IPC-4101.
 - 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.
 - PREPREG: FINISHED BOARDS SHALL HAVE A MINIMUM OF .0035 INCH OF PREPREG MATERIAL BETWEEN CONDUCTIVE LAYERS.
 - 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.
 - TIN-LEAD PLATE PER QQ-S-571 TO A MINIMUM THICKNESS OF .0001 ON EXTERNAL LAYERS AND ALL HOLES.
 - ANNULAR RING: A MINIMUM OF .002 INCH IS REQUIRED ON ALL EXTERNAL LAYERS AND .001 INCH ON INTERNAL LAYERS.
 - SEE DETAIL 'A' FOR BOARD CROSS SECTION.
 - FOR DRILL SIZES AND COORDINATES SEE CNTL NC.
 - ETCHBACK: THE MAXIMUM ALLOWABLE IS .003 INCH.

DRILL SYMBOL	DRILL SIZE	COUNT	PLATED
◆	0.01	1040	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
●	0.102	2	NO
⊠	0.109	2	NO



(LAYER A03) COPPER 1 OZ
 .005 THK DIELECTRIC
 (LAYER B03) COPPER 1 OZ
 PREPREG
 (LAYER C03) COPPER 1 OZ
 .005 THK DIELECTRIC
 (LAYER D03) COPPER 1 OZ
 PREPREG
 (LAYER E03) COPPER 1 OZ
 .005 THK DIELECTRIC
 (LAYER F03) COPPER 1 OZ
 PREPREG
 (LAYER G03) COPPER 1 OZ
 .005 THK DIELECTRIC
 (LAYER H03) COPPER 1 OZ
 PREPREG
 (LAYER I03) COPPER 1 OZ
 .005 THK DIELECTRIC
 (LAYER J03) COPPER 1 OZ
 PREPREG
 (LAYER K03) COPPER 1 OZ
 .005 THK DIELECTRIC
 (LAYER L03) COPPER 1 OZ

DETAIL 'A'
 12 LAYER

REVISION LETTER	CLASS REVIEW	REVISIONS	DATE	CHANGED BY	CHECKED BY	APPROVED BY
C		CREATED VERSION A03	6/30/00	G.S.		
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	
ORIGINATED	S.ROBINSON	DATE	7/22/99
DRAWN	G.R.	DATE	7/22/99
CHECKED			
PROJ. ENGR.			
APPROVED			
RELEASED			
SCALE	2/1	TOTAL SHEETS	DRAWING NO. 10Y-226430
			SHEET NO. D6