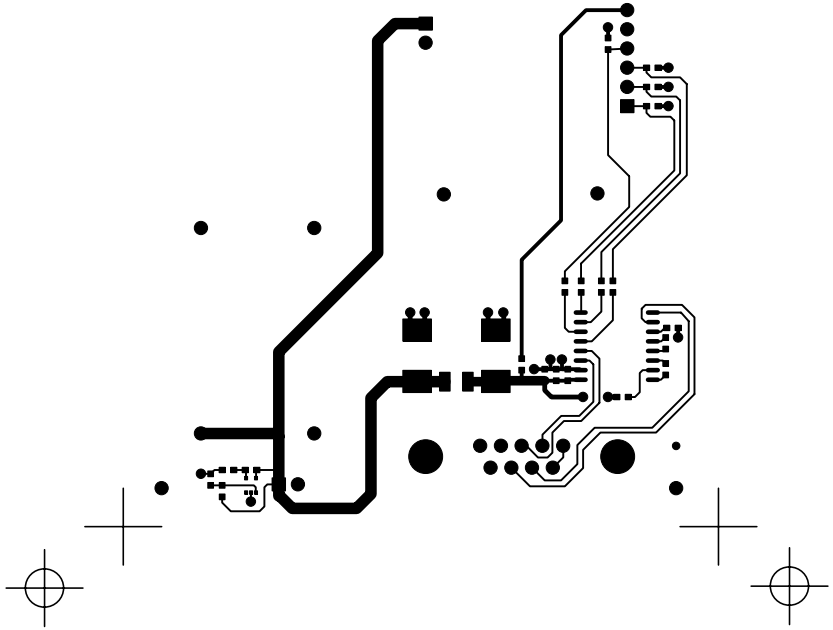
REVISION RECORD		
REV.	DESCRIPTION:	DATE:
X1	INITIAL CONCEPT	9-15-04
X3	UPDATED PER CUSTOMER DESIGN REVIEW	11-10-04
A	FIRST PROTOTYPE RELEASE	11-19-04
B	UPDATED PER ECN TEX04-01	12-1-04

TEX04 REV B



L.S. RESEARCH, Inc.
WIRELESS PRODUCT DEVELOPMENT
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PH# (262) 375-4400 FAX# (262) 375-6731
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DRAWN BY: DMS	DATE: 9-15-04	TITLE: FHSS TEST PLATFORM- COPPER, LAYER 1		
CHECKED BY:	DATE:	PROJECT: TEXAS INSTRUMENTS #056		
APPROVED BY:	DATE:	SIZE: A	DRAWING NO: TEX04LR1	REV: B
PRINT DATE:				
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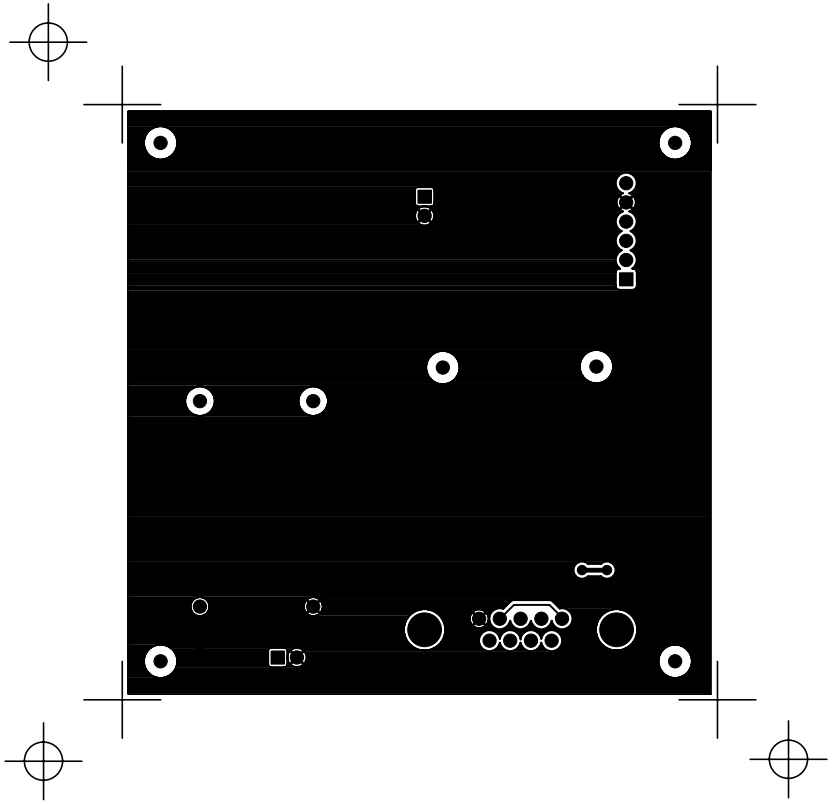
REVISION RECORD		
REV.	DESCRIPTION:	DATE:
X1	INITIAL CONCEPT	9-15-04
X3	UPDATED PER CUSTOMER DESIGN REVIEW	11-10-04
A	FIRST PROTOTYPE RELEASE	11-19-04
B	UPDATED PER ECN TEX04-01	12-1-04



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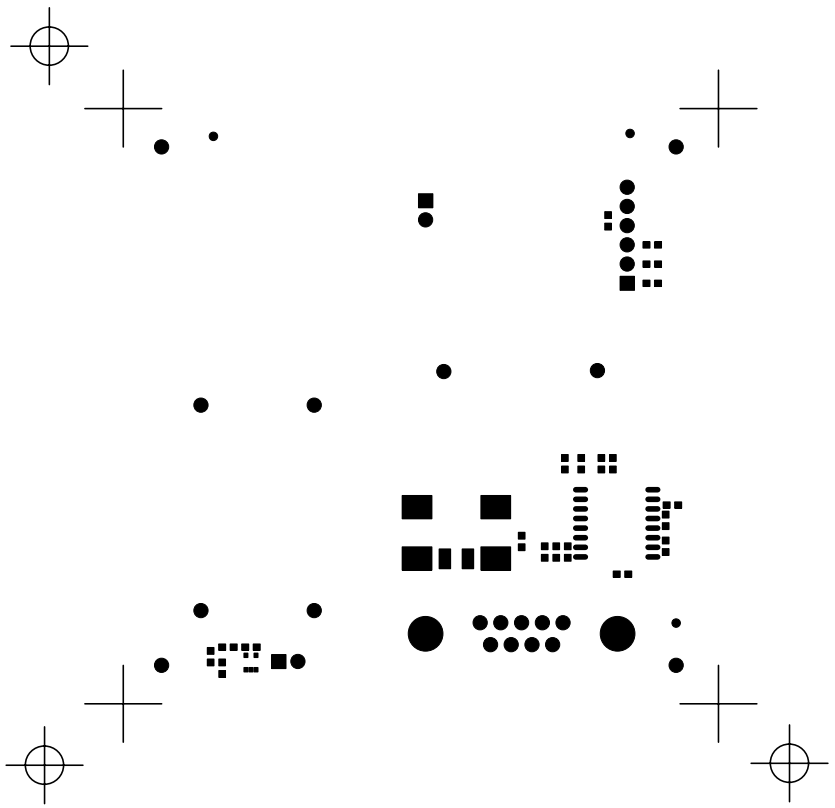
DRAWN BY: DMS	DATE: 9-15-04	TITLE: FHSS TEST PLATFORM- COPPER, LAYER 2		
CHECKED BY:	DATE:	PROJECT: TEXAS INSTRUMENTS #056		
APPROVED BY:	DATE:	SIZE: A	DRAWING NO: TEX04LR2	REV: B
PRINT DATE:				
FILENAME: TEX04_B.pcb		SCALE: 1 TO 1	PAGE 1 OF 1	



REVISION RECORD		
REV.	DESCRIPTION:	DATE:
X1	INITIAL CONCEPT	9-15-04
X3	UPDATED PER CUSTOMER DESIGN REVIEW	11-10-04
A	FIRST PROTOTYPE RELEASE	11-19-04
B	UPDATED PER ECN TEX04-01	12-1-04

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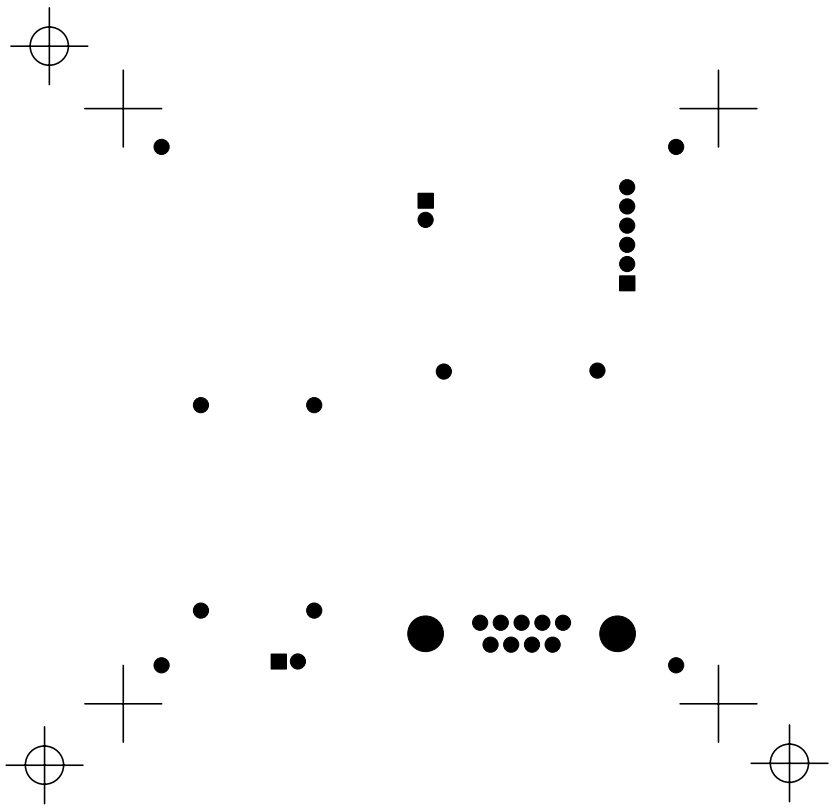
DRAWN BY: DMS	DATE: 9-15-04	TITLE: FHSS TEST PLATFORM- TOP SOLDERMASK		
CHECKED BY:	DATE:	PROJECT: TEXAS INSTRUMENTS #056		
APPROVED BY:	DATE:	SIZE: A	DRAWING NO: TEX04TSM	REV: B
PRINT DATE:				
FILENAME: TEX04_B.pcb		SCALE: 1 TO 1	PAGE 1 OF 1	

topmask.pho - Wed Dec 01 11:07:18 2004

REVISION RECORD		
REV.	DESCRIPTION:	DATE:
X1	INITIAL CONCEPT	9-15-04
X3	UPDATED PER CUSTOMER DESIGN REVIEW	11-10-04
A	FIRST PROTOTYPE RELEASE	11-19-04
B	UPDATED PER ECN TEX04-01	12-1-04



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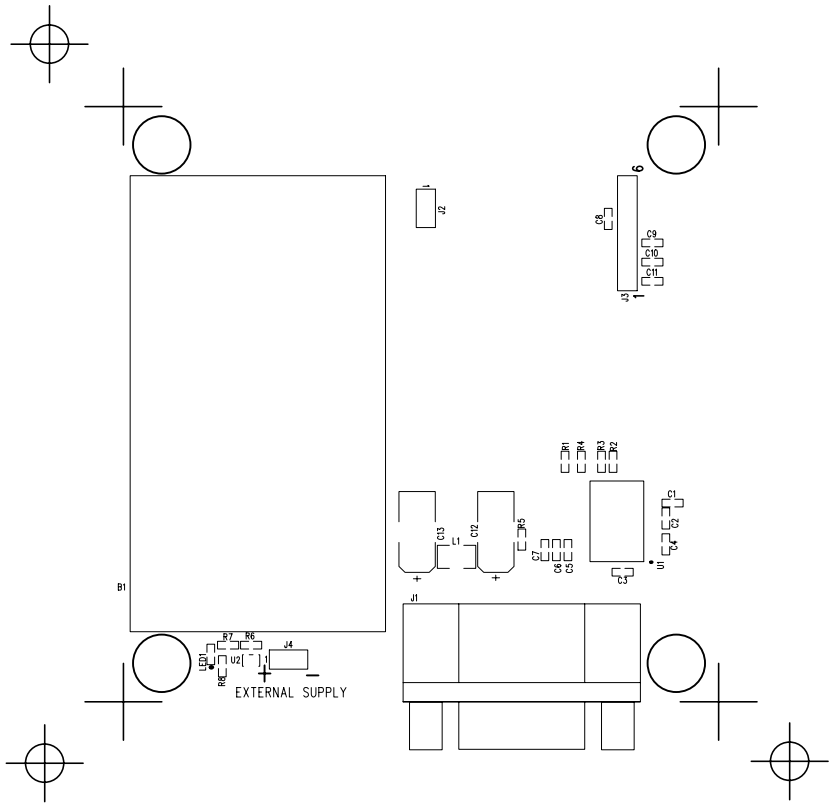
DRAWN BY: DMS	DATE: 9-15-04	TITLE: FHSS TEST PLATFORM- BOTTOM SOLDERMASK		
CHECKED BY:	DATE:	PROJECT: TEXAS INSTRUMENTS #056		
APPROVED BY:	DATE:	SIZE: A	DRAWING NO: TEX04BSM	REV: B
PRINT DATE:				
FILENAME: TEX04_B.pcb		SCALE: 1 TO 1	PAGE 1 OF 1	

bottommask.pho - Wed Dec 01 11:07:33 2004

REVISION RECORD		
REV.	DESCRIPTION:	DATE:
X1	INITIAL CONCEPT	9-15-04
X3	UPDATED PER CUSTOMER DESIGN REVIEW	11-10-04
A	FIRST PROTOTYPE RELEASE	11-19-04
B	UPDATED PER ECN TEX04-01	12-1-04



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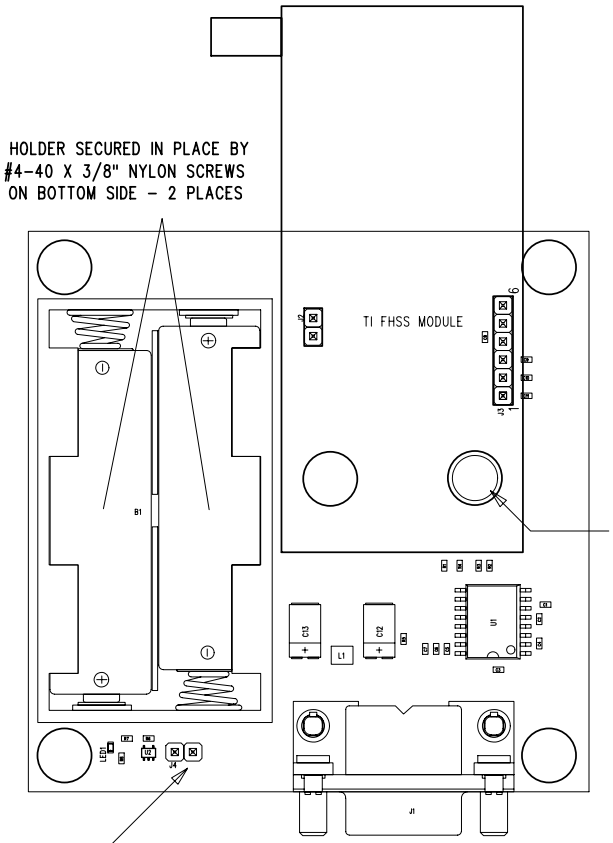
DRAWN BY: DMS	DATE: 9-15-04	TITLE: FHSS TEST PLATFORM- TOP SILKSCREEN		
CHECKED BY:	DATE:	PROJECT: TEXAS INSTRUMENTS #056		
APPROVED BY:	DATE:	SIZE: A	DRAWING NO: TEX04TSS	REV: B
PRINT DATE:				
FILENAME: TEX04_B.pcb		SCALE: 1 TO 1	PAGE 1 OF 1	

topsilk.pho – Wed Dec 01 11:07:40 2004

REVISION RECORD		
REV.	DESCRIPTION:	DATE:
X1	INITIAL CONCEPT	9-15-04
X3	UPDATED PER CUSTOMER DESIGN REVIEW	11-10-04
A	FIRST PROTOTYPE RELEASE	11-19-04
B	UPDATED PER ECN TEX04-01	12-1-04

BATTERY HOLDER SECURED IN PLACE BY
#4-40 X 3/8" NYLON SCREWS
WITH #4-40 NYLON NUTS ON BOTTOM SIDE - 2 PLACES



MODIFICATION TO TEX04 REV B ASSEMBLY
ENLARGE HOLE IN THIS AREA TO 0.250" DIA.

PLUG J5 HEADER INTO J4 RECEPTACLE

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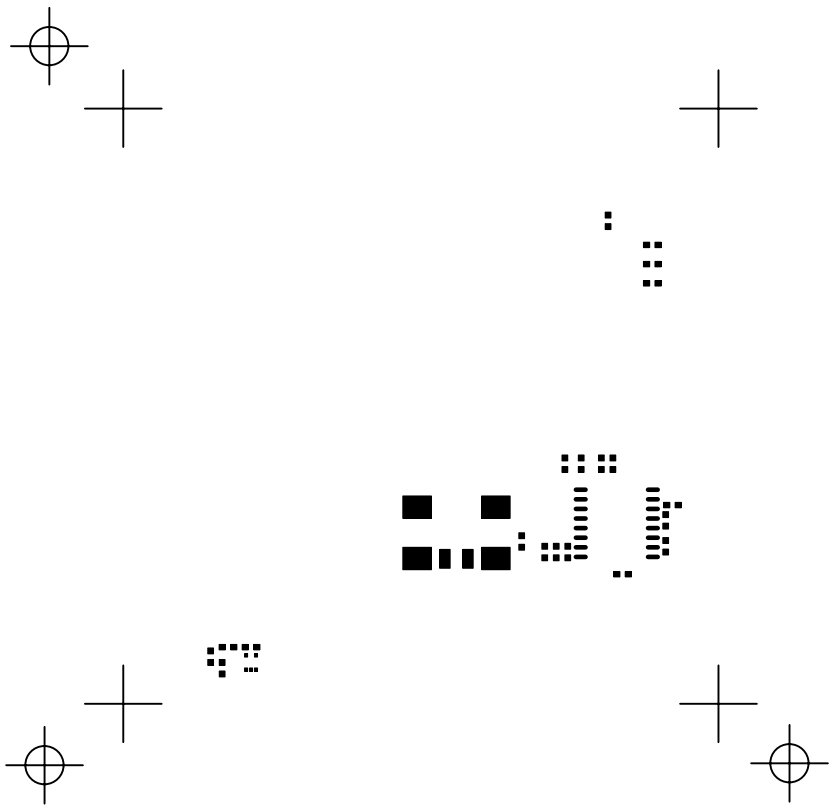
DRAWN BY: DMS	DATE: 9-15-04	TITLE: FHSS TEST PLATFORM - TOP ASSEMBLY		
CHECKED BY:	DATE:	PROJECT: TEXAS INSTRUMENTS #056		
APPROVED BY:	DATE:	SIZE: A	DRAWING NO: TEX04TAS	REV: B1
PRINT DATE:				
FILENAME: TEX04_B.pcb		SCALE: 1 TO 1	PAGE 1 OF 1	



REVISION RECORD		
REV.	DESCRIPTION:	DATE:
X1	INITIAL CONCEPT	9-15-04
X3	UPDATED PER CUSTOMER DESIGN REVIEW	11-10-04
A	FIRST PROTOTYPE RELEASE	11-19-04
B	UPDATED PER ECN TEX04-01	12-1-04

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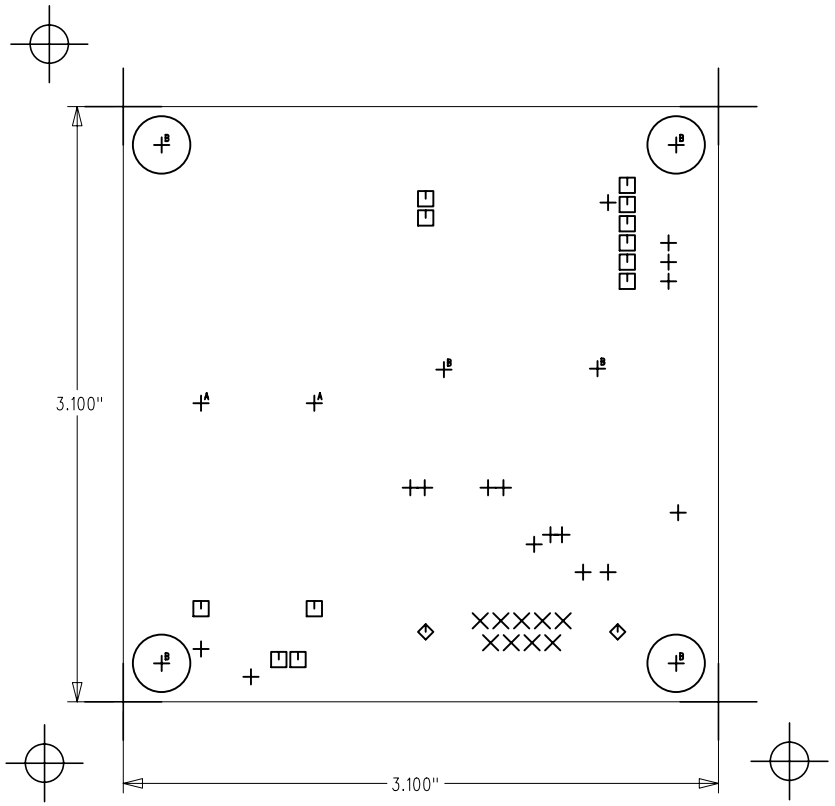
DRAWN BY: DMS	DATE: 9-15-04	TITLE: FHSS TEST PLATFORM - TOP PASTE MASK		
CHECKED BY:	DATE:	PROJECT: TEXAS INSTRUMENTS #056		
APPROVED BY:	DATE:	SIZE: A	DRAWING NO: TEX04TPM	REV: B
PRINT DATE:				
FILENAME: TEX04_B.pcb		SCALE: 1 TO 1	PAGE 1 OF 1	

toppaste.pho - Wed Dec 01 11:07:58 2004

REVISION RECORD		
REV.	DESCRIPTION:	DATE:
X1	INITIAL CONCEPT	9-15-04
X3	UPDATED PER CUSTOMER DESIGN REVIEW	11-10-04
A	FIRST PROTOTYPE RELEASE	11-19-04
B	UPDATED PER ECN TEX04-01	12-1-04



ARTWORK/FABRICATION FILES

TOP SIDE ROUTING - COPPER1.PHO
BOTTOM SIDE ROUTING - COPPER2.PHO
TOP SIDE SOLDERMASK - TOPMASK.PHO
BOTTOM SIDE SOLDERMASK - BOTTOMMASK.PHO
TOP SIDE SILKSCREEN - TOPSILK.PHO
NC DRILL FILE - NCDRILL.DRL

SIZE	QTY	SYM	PLTD	TOL
22	16	+	YES	+/-0.002
35	9	X	YES	+/-0.003
42	12	□	YES	+/-0.003
120	2	◇	YES	+/-0.003
125	2	+A	NO	+/-0.003
145	6	+B	NO	+/-0.003

FABRICATION NOTES:

1. ALL BOARD DIMENSIONS IN INCHES. TOLERANCE = +/-0.005" UNLESS NOTED OTHERWISE.
2. BOARD MATERIAL - FR-4 GRADE GLASS EPOXY, 0.062" +/- .005" THICKNESS MEASURED OVER SOLDERMASK MINIMUM FLAMMABILITY RATING UL 94V-0
3. OUTER LAYER COPPER THICKNESS 0.0014" (1 OZ).
4. SOLDER MASK OVER BARE COPPER, LPI, CLASS 2 GEN. INDUSTRIAL REGISTRATION +/-0.004", GREEN. NO COVERAGE ON SOLDER PADS PERMITTED.
5. WHITE SILKSCREEN LEGEND OVER SOLDERMASK - BOTH SIDES.
6. FINISH-TIN/LEAD REFLOWED OR HOT AIR SOLDER LEVELED-0.0002" TO 0.002" PLATING THICKNESS.. NO EXPOSED BARE COPPER PERMITTED.
7. HOLE SIZE TOLERANCE = +/- 0.003" UNLESS NOTED OTHERWISE.
8. HOLE CENTERS AND PAD CENTERS TO BE CONCENTRIC WITHIN 0.005"

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DRAWN BY: DMS	DATE: 9-15-04	TITLE: FHSS TEST PLATFORM-FABRICATION DRAWING	
CHECKED BY:	DATE:	PROJECT: TEXAS INSTRUMENTS #056	
APPROVED BY:	DATE:	SIZE: A	DRAWING NO: TEX04FAB / REV: B
PRINT DATE:			
FILENAME: TEX04_B.pcb		SCALE: 1 TO 1	PAGE 1 OF 1

fabrication.pho - Wed Dec 01 11:08:07 2004