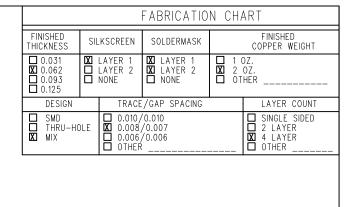


*HOLE CHART IS IN MILS



<u> </u>	
4	TEXAS INSTRUMENTS bq76PL536EVM-3
	TPB HIGH VOLTAGE THE PROPERTY OF THE PROPERTY
	RI91 The second
	THERMISTORS CIRCUIT 3
	1 P-VPROC3
	Column C
L	CIRCUIT 3 THERMISTORS CIRCUIT 2
	UC89 PMS RM RM3
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	77 R124 1 11-3 R125
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DATUM 0,0 MUTAC	,
	5.000 Inches
	COMPONENT SIDE VIEW

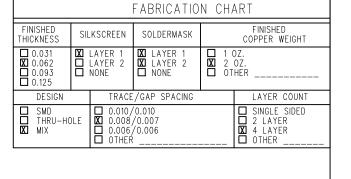
COMPONENT SIDE VIEW

DATE: FILENAME: HPA507A bq76PL536EVM-3 Stac		Design.PCB	ENGINEER: Gordon Varne	у	PCB DESIGNER: Gordon V	arney	'		D DATE: 6/29/201	0	TIME STAMP:					
BOARD NO: HPA507		REV:	ТОР			ВОТ	SST								FB	
		TOP 1	INNER 2	INNER 3	BOT 4	TOP	вот	TOP	ВОТ	TOP	ВОТ	TOP	ВОТ	FAB DRAWING		
TEXAS INSTRUMENTS			COPPER L	AYER NAME		SILKS	CREEN	SOLDER	MASK	PASTE	MASK	ASS	EMBLY			

NOTES: UNLESS OTHERWISE SPECIFIED

ALL MATERIALS, INCLUDING BUT NOT LIMITED TO BASE LAMINATE, BONDING MATERIALS 1. MATERIAL: AND SOLDERMASK COATINGS FORMING THE FINISHED PRINTED CIRCUIT BOARD SHALL MEET UL-796 REQUIREMENTS AND BE ROHS COMPLIANT AND HAVE A FLAMMABILITY OF UL94V-0 2. BASE LAMINATE: PLASTIC SHEET, LAMINIIATED METAL CLAD, ONE OR TWO SIDES, BASE MATERIAL NE A TYPE FR-4 OR EQUIVALENT, W/Tg = 180 Deg C OR HIGHER MINIMUM COMPOSITION TEMP (Td) OF 340 Deg C. GLASS EPOXY RESIN, COPPER-CLAD IN ACCORDANCE WITH 2 LAYER STACK-UP, COMPLIANT WITH LEAD FREE PROCESS 3. SOLDERMASK: SOLDERMASK OVER BARE COPPER (SMOBC) USING LIQUID PHOTO-IMAGEABLE SOLDERMASK IN ACCORDANCE WITH IPC-SM-840. COLOR GREEN. MINOR SOLDERMASK ADJUSTMENTS TO FACILITATE PCB FAB OR ASSEMBLY ARE ALLOWED PROVIDED NO DEFECTS ARE CREATED AS A RESULT. 4. PLATING: HOLES REQUIRING PLATING SHALL HAVE .001 MIL MIN THICK COPPER PLATE PLATE WITH ROHS COMPLIANT, IMMERSION SILVER PREFERRED, OR Sn/Ag/Cu, 5. FINISH: WITH RMA FLUX, 0.0005" +/ - 0.0003" THICK MIN ALL EXPOSED AREAS WITH RMA FLUX, 0.0005" +/ - 0.0003" THICK MIN ALL EXPOSED AREAS 6. LEGEND: IF REQUIRED, SILKSCREEN LEGEND(S) WITH WHITE NON-CONDUCTIVE EPOXY INK. BOARD MUST BEAR VENDOR'S IDENTIFICATION CODE (ETCH OR WHITE NON-CONDUCTIVE INK) LOCATION OPTIONAL. 7. MARKINGS: BOARD IS TO BE MANUFACTURED PER IPC-A-600 CLASS 2 REQUIREMENTS OR BETTER 8 WORKMANSHIP: 9. DOCUMENTATION: PCB VENDOR IS REQUIRED TO RETURN ANY AND ALL DOCUMENTS SUPPLIED OR ULTIMATELY PURCHASED BY TEXAS INSTRUMENTS UPON COMPLETION OF PURCHASE ORDER 10. DRILL SIZES: HOLE DIAMETERS SHOWN ARE FINISHED SIZES AFTER PLATING UNLESS OTHERWISE NOTED. UNLESS OTHERWISE SPECIFIED PCB TOLERANCES SHALL BE: 11. TOLERANCES: PCB THICKNESS TOLERANCE = +/ - 10% RELATIVE TO FINISHED THICKNESS, MEASURED FROM COPPER TO COPPER PCB DIMENSIONAL TOLERANCE = +/-.005 INCHES RELATIVE TO BOARD PROFILE AND DRILL TO EDGE DIMENSIONS. FINISHED HOLE DIAMETERS SHALL BE +/ -.003 INCHES RELATIVE THE DRILL TABLE DIMENSIONS. 12. PANEL BORDER: ANY METAL IN BORDER AREA INCLUDING PART NUMBER, DATECODE AND/OR REVISION LETTERS MUST BE COVERED WITH SOLDERMASK. 13. PROCESS CHANGES: NO DIMENSIONAL, MATERIAL, OR PROCESS CHANGES ARE ALLOWED WITHOUT PRIOR EXPLICIT WRITTEN PERMISSION FROM TEXAS INSTRUMENTS.

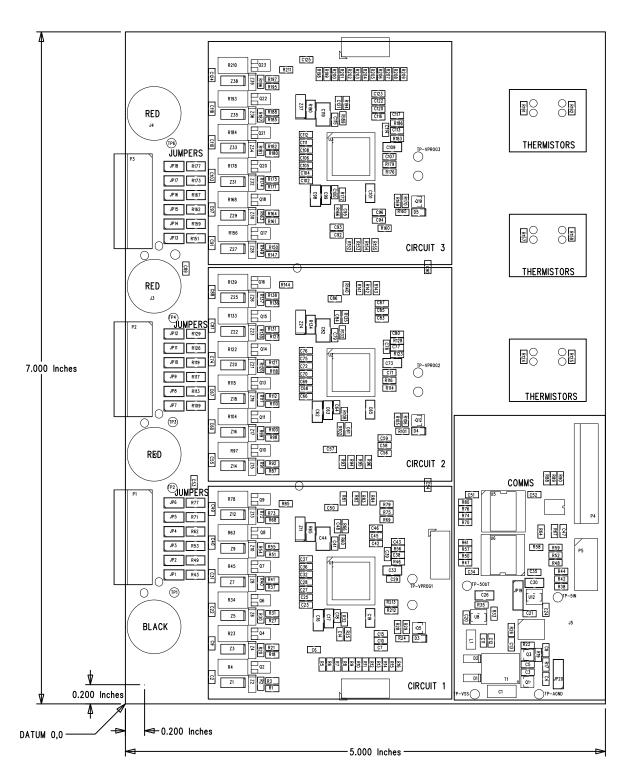




NOTES:	UNLESS	OTHERWISE	SPECIFIED	

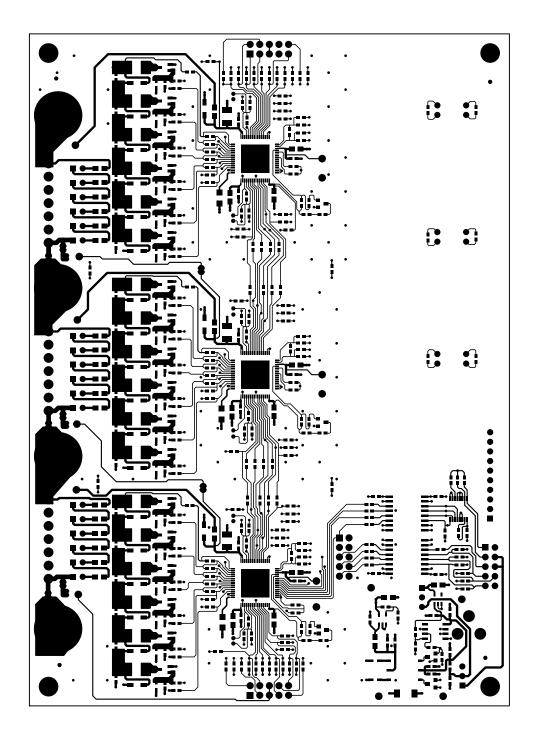
FROM TEXAS INSTRUMENTS.

1. MATERIAL:	ALL MATERIALS, INCLUDING BUT NOT LIMITED TO BASE LAMINATE, BONDING MATERIALS AND SOLDERMASK COATINGS FORMING THE FINISHED PRINTED CIRCUIT BOARD SHALL MEET UL-796 REQUIREMENTS AND BE ROHS COMPLIANT AND HAVE A FLAMMABILITY OF UL94V-O
2. BASE LAMINATE:	PLASTIC SHEET, LAMINIATED METAL CLAD, ONE OR TWO SIDES, BASE MATERIAL NE A TYPE FR-4 OR EQUIVALENT, W/Tg = 180 Deg C OR HIGHER MINIMUM COMPOSITION TEMP (Td) OF 340 Deg C. GLASS EPOXY RESIN, COPPER-CLAD IN ACCORDANCE WITH 2 LAYER STACK-UP, COMPLIANT WITH LEAD FREE PROCESS
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4. PLATING:	HOLES REQUIRING PLATING SHALL HAVE .001 MIL MIN THICK COPPER PLATE
5. FINISH:	PLATE WITH ROHS COMPLIANT, IMMERSION SILVER PREFERRED, OR Sn/Ag/Cu, WITH RMA FLUX, 0.0005" +/ - 0.0003" THICK MIN ALL EXPOSED AREAS WITH RMA FLUX, 0.0005" +/ - 0.0003" THICK MIN ALL EXPOSED AREAS
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8. WORKMANSHIP:	BOARD IS TO BE MANUFACTURED PER IPC-A-600 CLASS 2 REQUIREMENTS OR BETTER
9. DOCUMENTATION:	PCB VENDOR IS REQUIRED TO RETURN ANY AND ALL DOCUMENTS SUPPLIED OR ULTIMATELY PURCHASED BY TEXAS INSTRUMENTS UPON COMPLETION OF PURCHASE ORDER
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12. PANEL BORDER:	ANY METAL IN BORDER AREA INCLUDING PART NUMBER, DATECODE AND/OR REVISION LETTERS MUST BE COVERED WITH SOLDERMASK.
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COMPONENT	CIDE	VIEW
COMPONENT	SIDE	VIEW

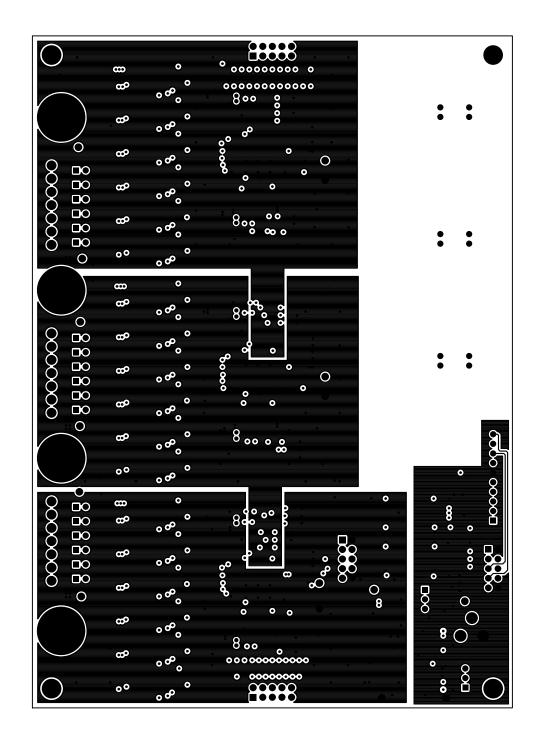
TEXAS INSTRUMENTS		COPPER LAYER NAME			SILKSCREEN SOLDER MASK			PASTE MASK		ASSEMBLY					
		TOP 1	INNER 2	INNER 3	BOT 4	TOP	вот	TOP	ВОТ	TOP	ВОТ	TOP	вот	FAB DRAWING	
HPA507		REV:											AST		FB
DATE: FILENAME: HPA507A bq76PL536EVM-3 Stac		Design.PCB	ENGINEER: Gordon Varne	;y	PCB DESIGNER: Gordon V	arney			D DATE: 6/29/201	0	TIME STAMP:				



						ı				I				
INICTRI	IMENITO		COPPER L	AYER NAME		SILKS	CREEN	SOLDER	R MASK	PAST	E MASK	ASS	EMBLY	
111/3/11/0		TOP 1	INNER 2	INNER 3	BOT 4	TOP	вот	TOP	ВОТ	TOP	ВОТ	TOP	ВОТ	FAB DRAWING
	REV:	ТОР												FB
FILENAME:			ENGINEER:	ey	PCB DESIGNER:	arney			D DATE: 16/29/20	_	TIME STAMP:			
	INSTRU	INSTRUMENTS REV:	REV:	TOP 1 INNER 2	TOP 1 INNER 2 INNER 3	TOP 1 INNER 2 INNER 3 BOT 4	TOP 1 INNER 2 INNER 3 BOT 4 TOP	TOP 1 INNER 2 INNER 3 BOT 4 TOP BOT	TOP 1 INNER 2 INNER 3 BOT 4 TOP BOT TOP	TOP 1 INNER 2 INNER 3 BOT 4 TOP BOT TOP BOT	TOP 1 INNER 2 INNER 3 BOT 4 TOP BOT TOP BOT TOP	TOP 1 INNER 2 INNER 3 BOT 4 TOP BOT TOP BOT TOP BOT	TOP 1 INNER 2 INNER 3 BOT 4 TOP BOT TOP BOT TOP BOT TOP	TOP 1 INNER 2 INNER 3 BOT 4 TOP BOT TOP BOT TOP BOT TOP BOT

			FABRICATIO	N CHA	ART			
FINISHED THICKNESS	SIL	KSCREEN	SOLDERMASK	FINISHED COPPER WEIGHT				
□ 0.031 ■ 0.062 □ 0.093 □ 0.125		LAYER 1 LAYER 2 NONE	X LAYER 1 X LAYER 2 NONE	1 0Z. X 2 0Z. OTHER				
DESIGN		TRACE	/GAP SPACING		LAYER COUNT			
□ SMD □ THRU-HO 【XI MIX	DLE	□ 0.010/ ■ 0.008, □ 0.006, □ OTHER	/0.006		☐ SINGLE SIDED ☐ 2 LAYER ☑ 4 LAYER ☐ OTHER			

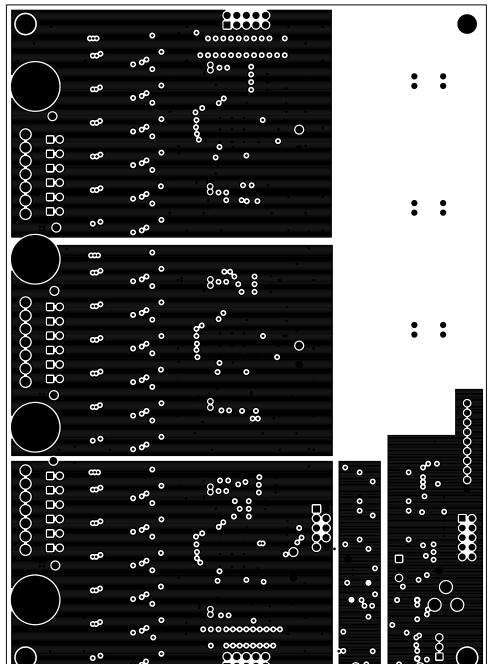
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TEXAS INSTRUMENTS				COPPER L	AYER NAME		SILKS	CREEN	SOLDER	MASK	PASTE	MASK	ASS	EMBLY	
TENAS INSTINUMENTS		TOP 1	INNER 2	INNER 3	BOT 4	TOP	вот	TOP	ВОТ	TOP	ВОТ	TOP	ВОТ	FAB DRAWING	
HPA507		REV:		LY2											FB
DATE: FILENAME: HPA507A bq76PL536EVM-3 Sta		Design.PCB	ENGINEER: Gordon Varne	ey .	PCB DESIGNER: Gordon V	arney		MODIFIE O	D DATE: 6/29/201	0	TIME STAMP:				

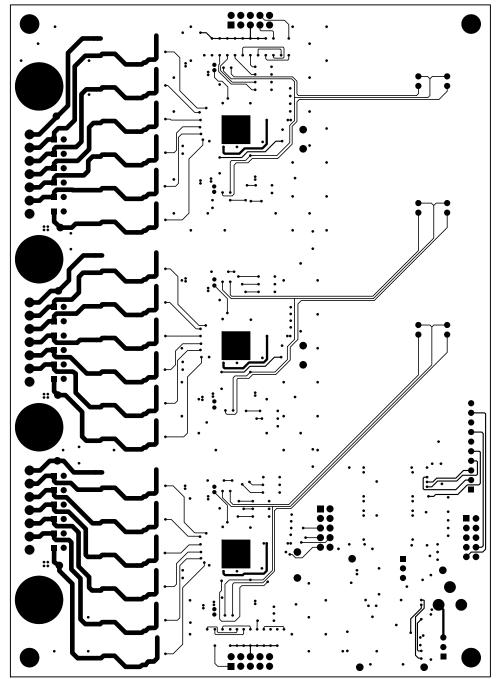
		FABRICATIO	N CHA	ART			
FINISHED THICKNESS	SILKSCREEN	SOLDERMASK	FINISHED COPPER WEIGHT				
□ 0.031 ■ 0.062 □ 0.093 □ 0.125	XI LAYER 1 □ LAYER 2 □ NONE	X LAYER 1 X LAYER 2 NONE	□ 1 0Z. ▼ 2 0Z. □ 0THER				
DESIGN	TRACE	GAP SPACING		LAYER COUNT			
SMD THRU-HOL MIX	.E X 0.010/ X 0.008/ 0.006/ OTHER	/0.007 /0.006		☐ SINGLE SIDED ☐ 2 LAYER ☑ 4 LAYER ☐ OTHER			

1. MATERIAL:	ALL MATERIALS, INCLUDING BUT NOT LIMITED TO BASE LAMINATE, BONDING MATERIALS AND SOLDERMASK COATINGS FORMING THE FINISHED PRINTED CIRCUIT BOARD SHALL MEET UL-796 REQUIREMENTS AND BE ROHS COMPLIANT AND HAVE A FLAMMABILITY OF UL94V-0
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FABRICATION CHART									
FINISHED SILKSCREEN			SOLDERMASK	FINISHED COPPER WEIGHT					
□ 0.031			X LAYER 1 X LAYER 2 NONE	☐ 1 0Z. ▼ 2 0Z. ☐ OTHER					
DESIGN		TRACE	/GAP SPACING		LAYER COUNT				
SMD THRU-HO MIX	DLE	0.010/ 0.008/ 0.006/ OTHER	/0.007 /0.006		☐ SINGLE SIDED☐ 2 LAYER☐ 4 LAYER☐ OTHER				

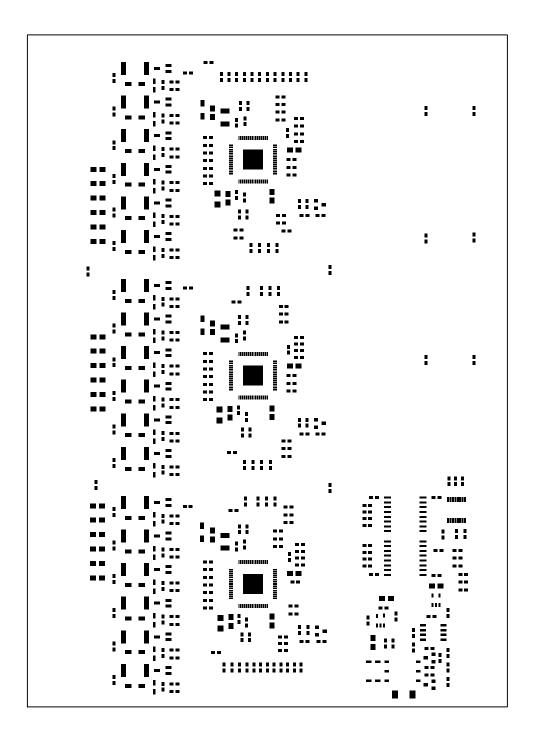
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TEXAS INSTRUMENTS			COPPER LAYER NAME				SILKSCREEN BOLDER MASK			PASTE MASK ASSEM			EMBLY		
TEAAS INSTITUTION IS		TOP 1	INNER 2	INNER 3	BOT 4	TOP	вот	TOP	ВОТ	TOP	ВОТ	TOP	ВОТ	FAB DRAWING	
BOARD NO: HPA507		A A				ВОТ									FB
DATE: FILENAME: 06/15/2010 HPA507A bq76PL536EVM-3 Stack		C Design PCB	ENGINEER: Gordon Varne	PCB DESIGNER: Gordon Varney		MODIFIED DATE: 06/29/2010			TIME STAMP:						

FINISHED THICKNESS SILKSCREEN SOLDERMASK SILKSCREEN SOLDERMASK COPPER WEIGHT	FABRICATION CHART										
XX 0.062	FINISHED THICKNESS SILKSCREEN			SOLDERMASK							
□ SMD □ 0.010/0.010 □ SINGLE SIDED □ THRU-HOLE X 0.008/0.007 □ 2 LAYER	X 0.062				X 2	0Z.					
□ THRU-HOLE XX 0.008/0.007 □ 2 LAYER XX MIX □ 0.006/0.006 XX 4 LAYER	DESIGN		TRACE	/GAP SPACING		LAYER COUNT					
	☐ THRU−HC)LE	0.008, 0.006,	/0.007 /0.006		☐ 2 LAYER IXI 4 LAYER					

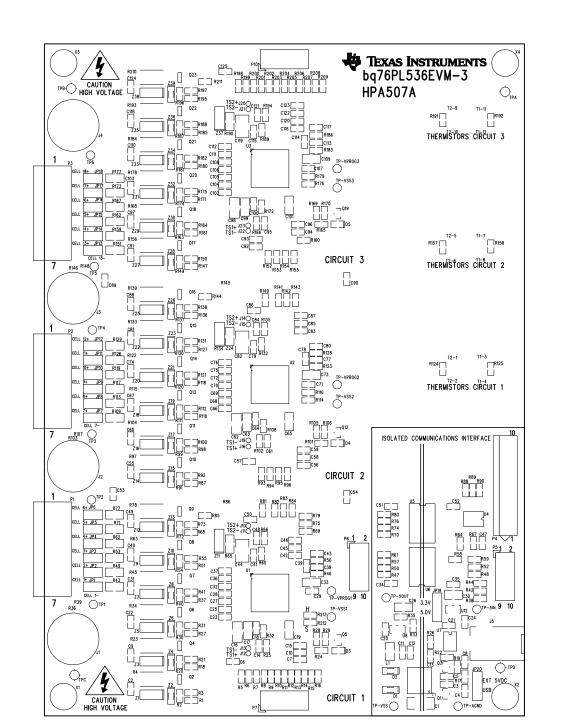
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OR HIGHER MINIMUM COMPOSITION T	OR EQUIVA.LENT, W/Tg = 180 Deg C
	(SMOBC) USING LIQUID PHOTO-IMAGEABLE SOLDERMASK IN OLOR GREEN. MINOR SOLDERMASK ADJUSTMENTS TO FACILITATE PCB FAB OR ASSEMBLY ITS ARE CREATED AS A RESULT.
4. PLATING: HOLES REQUIRING PLATING SHALL	HAVE .001 MIL MIN THICK COPPER PLATE
WITH RMA FLUX, 0.0005" +/ - 0.	ERSION SILVER PREFERRED, OR Sn/Ag/Cu, 0003" THICK MIN ALL EXPOSED AREAS 0003" THICK MIN ALL EXPOSED AREAS
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PCB DIMENSIONAL TOLERANCE = +	TOLERANCES SHALL BE: - 10% RELATIVE TO FINISHED THICKNESS, MEASURED FROM COPPER TO COPPER /005 INCHES RELATIVE TO BOARD PROFILE AND DRILL TO EDGE DIMENSIONS. BE +/003 INCHES RELATIVE THE DRILL TABLE DIMENSIONS.
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TEXAS INSTRUMENTS		COPPER LAYER NAME S			SILKSCREEN SOLDER MASK		PASTE	MASK	ASSEMBLY						
		TOP 1	INNER 2	INNER 3	BOT 4	TOP	вот	TOP	ВОТ	TOP	ВОТ	TOP	ВОТ	FAB DRAWING	
BOARD NO:		REV:													
HPA507 A										PMT				FB	
DATE: FILENAME:			ENGINEER:			PCB DESIGNER:			MODIFIED DATE:						
06/15/2010 HPA507A ba76PL536EVM-3 Stack		C Design PCB	B Gordon Varney			Gordon Varney			06/29/2010			TIME STAMP:			

	FABRICATION CHART									
FINISHED THICKNESS	SIL	KSCREEN	SOLDERMASK		FINISHED COPPER WEIGHT					
□ 0.031 ■ 0.062 □ 0.093 □ 0.125		LAYER 1 LAYER 2 NONE	X LAYER 1 X LAYER 2 NONE	1 OZ. 1 OZ. 2 OZ. OTHER						
DESIGN		TRACE	/GAP SPACING		LAYER COUNT					
SMD THRU-HO MIX)LE	0.010/ 0.008/ 0.006/ OTHER	/0.007 /0.006		SINGLE SIDED 2 LAYER X 4 LAYER OTHER					

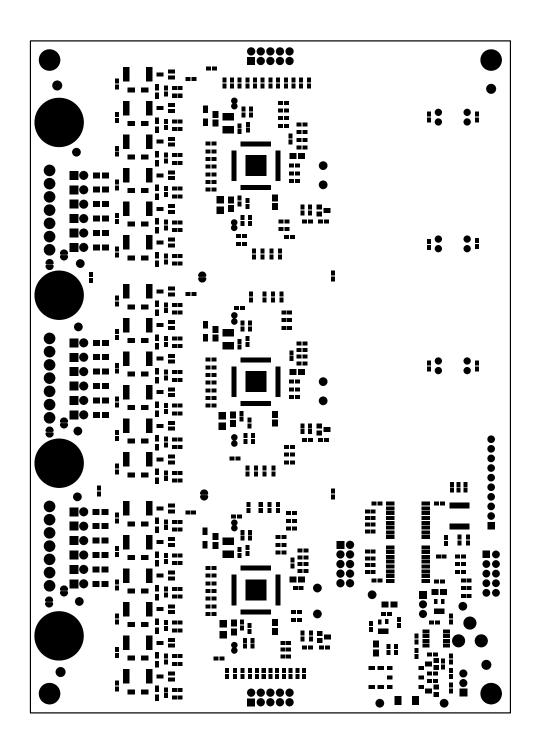
1. MATERIAL:	ALL MATERIALS, INCLUDING BUT NOT LIMITED TO BASE LAMINATE, BONDING MATERIALS AND SOLDERMASK COATINGS FORMING THE FINISHED PRINTED CIRCUIT BOARD SHALL MEET UL-796 REQUIREMENTS AND BE ROHS COMPLIANT AND HAVE A FLAMMABILITY OF UL94V-0
2. BASE LAMINATE:	PLASTIC SHEET, LAMINIATED METAL CLAD, ONE OR TWO SIDES, BASE MATERIAL NE A TYPE FR-4 OR EQUIVALENT, W/Tg = 180 Deg C OR HIGHER MINIMUM COMPOSITION TEMP (Td) OF 340 Deg C. GLASS EPOXY RESIN, COPPER-CLAD IN ACCORDANCE WITH 2 LAYER STACK-UP, COMPLIANT WITH LEAD FREE PROCESS
3. SOLDERMASK:	SOLDERMASK OVER BARE COPPER (SMOBC) USING LIQUID PHOTO-IMAGEABLE SOLDERMASK IN ACCORDANCE WITH IPC-SM-840. COLOR GREEN. MINOR SOLDERMASK ADJUSTMENTS TO FACILITATE PCB FAB OR ASSEMBLY ARE ALLOWED PROVIDED NO DEFECTS ARE CREATED AS A RESULT.
4. PLATING:	HOLES REQUIRING PLATING SHALL HAVE .001 MIL MIN THICK COPPER PLATE
5. FINISH:	PLATE WITH ROHS COMPLIANT, IMMERSION SILVER PREFERRED, OR Sn/Ag/Cu, WITH RMA FLUX, 0.0005" +/ - 0.0003" THICK MIN ALL EXPOSED AREAS WITH RMA FLUX, 0.0005" +/ - 0.0003" THICK MIN ALL EXPOSED AREAS
6. LEGEND:	IF REQUIRED, SILKSCREEN LEGEND(S) WITH WHITE NON-CONDUCTIVE EPOXY INK.
7. MARKINGS:	BOARD MUST BEAR VENDOR'S IDENTIFICATION CODE (ETCH OR WHITE NON-CONDUCTIVE INK) LOCATION OPTIONAL.
8. WORKMANSHIP:	BOARD IS TO BE MANUFACTURED PER IPC-A-600 CLASS 2 REQUIREMENTS OR BETTER
9. DOCUMENTATION:	PCB VENDOR IS REQUIRED TO RETURN ANY AND ALL DOCUMENTS SUPPLIED OR ULTIMATELY PURCHASED BY TEXAS INSTRUMENTS UPON COMPLETION OF PURCHASE ORDER
10. DRILL SIZES:	HOLE DIAMETERS SHOWN ARE FINISHED SIZES AFTER PLATING UNLESS OTHERWISE NOTED.
11. TOLERANCES:	UNLESS OTHERWISE SPECIFIED PCB TOLERANCES SHALL BE: PCB THICKNESS TOLERANCE = $+/-$ 10% RELATIVE TO FINISHED THICKNESS, MEASURED FROM COPPER TO COPPER PCB DIMENSIONAL TOLERANCE = $+/-$.005 INCHES RELATIVE TO BOARD PROFILE AND DRILL TO EDGE DIMENSIONS. FINISHED HOLE DIAMETERS SHALL BE $+/-$.003 INCHES RELATIVE THE DRILL TABLE DIMENSIONS.
12. PANEL BORDER:	ANY METAL IN BORDER AREA INCLUDING PART NUMBER, DATECODE AND/OR REVISION LETTERS MUST BE COVERED WITH SOLDERMASK.
13. PROCESS CHANGES:	NO DIMENSIONAL, MATERIAL, OR PROCESS CHANGES ARE ALLOWED WITHOUT PRIOR EXPLICIT WRITTEN PERMISSION FROM TEXAS INSTRUMENTS.



TEXVC	INISTRI	IMENITS		COPPER L	AYER NAME		SILKS	CREEN	SOLDER	MASK	PASTE	MASK	ASS	EMBLY	
TEXAS INSTRUMENTS		TOP 1	INNER 2	INNER 3	BOT 4	TOP	ВОТ	TOP	ВОТ	TOP	ВОТ	TOP	вот	FAB DRAWING	
HPA507		REV:	ТОР				SST								FB
DATE: FILENAME: HPA507A bq76PL536EVM-3 Stack		c Design.PCB	ENGINEER: PCB DESIGNER: Gordon Varney Gordon V			Varney		MODIFIED DATE: 06/29/2010		0	TIME STAMP:				

FABRICATION CHART									
FINISHED THICKNESS	SIL	KSCREEN	SOLDERMASK		FINISHED COPPER WEIGHT				
□ 0.031 ■ 0.062 □ 0.093 □ 0.125		LAYER 1 LAYER 2 NONE	X LAYER 1 X LAYER 2 NONE	□ 1 0Z. ▼ 2 0Z. □ 0THER					
DESIGN		TRACE	/GAP SPACING		LAYER COUNT				
SMD THRU-HO MIX	DLE	0.010/ 0.008, 0.006, OTHER	/0.007 /0.006		SINGLE SIDED 2 LAYER X 4 LAYER OTHER				

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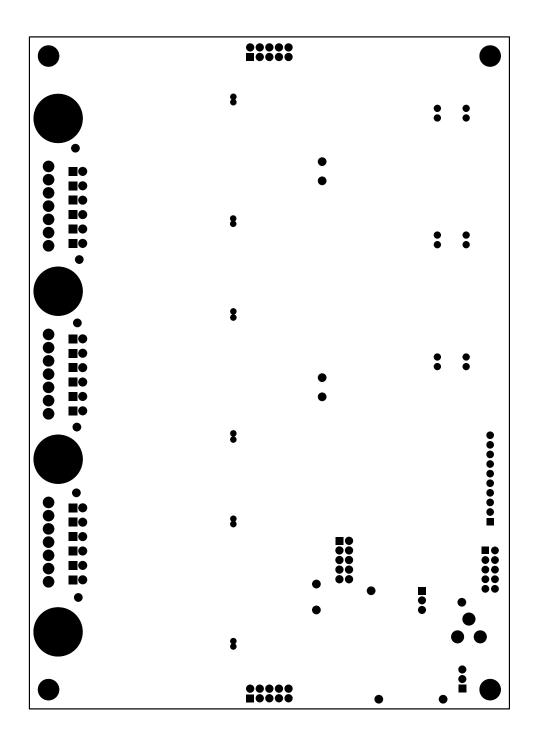
TEAVC	EXAS INSTRUMENTS		COPPER LAYER NAME			SILKSCREEN SO		SOLDEF	LDER MASK		PASTE MASK		EMBLY		
TEXAS INSTITUTION			TOP 1	INNER 2	INNER 3	BOT 4	TOP	вот	TOP	ВОТ	TOP	ВОТ	TOP	ВОТ	FAB DRAWING
BOARD NO:		REV:													
HPA507 A								SMT						FB	
DATE: FILENAME:		k Design.PCB	ENGINEER: PCB DESIGNER: Gordon Varney Gordon V		/arney			MODIFIED DATE: 06/29/2010		TIME STAMP:					

FABRICATION CHART										
FINISHED THICKNESS	SIL	KSCREEN	SOLDERMASK		FINISHED COPPER WEIGHT					
□ 0.031 ■ 0.062 □ 0.093 □ 0.125	🗖 i	_AYER 1 _AYER 2 NONE	X LAYER 1 X LAYER 2 NONE	□ 1 0Z. □ 2 0Z. □ 0THER						
DESIGN		TRACE	/GAP SPACING		LAYER COUNT					
SMD THRU-HO MIX	DLE	0.010/ 0.008/ 0.006/ OTHER	/0.007 /0.006		☐ SINGLE SIDED☐ 2 LAYER☐ 4 LAYER☐ OTHER					

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FROM TEXAS INSTRUMENTS.

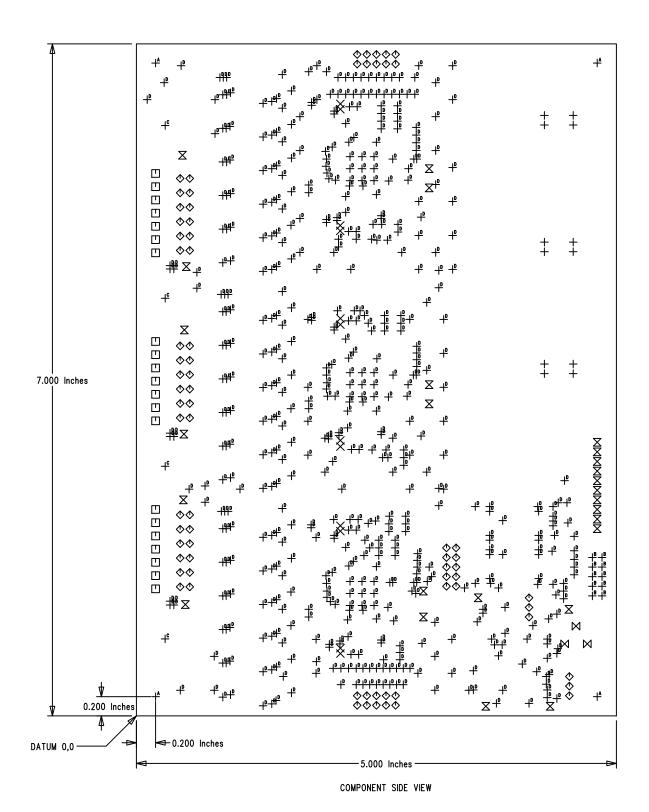


TEXAS INSTRUMENTS			COPPER LAYER NAME				SILKSCREEN SO		SOLDEF	SOLDER MASK		E MASK	ASSEMBLY		
			TOP 1	INNER 2	INNER 3	BOT 4	TOP	вот	TOP	ВОТ	TOP	ВОТ	TOP	ВОТ	FAB DRAWING
BOARD NO:		REV:													
HPA507	HPA507 A									SMB					FB
DATE: FILENAME: HPA507A bq76PL536EVM-3 Stack		c Design.PCB	ENGINEER: PCB DESIGNER: Gordon Varney Gordon V						MODIFIED DATE: TIME STAM		TIME STAMP:	:			

FABRICATION CHART										
FINISHED THICKNESS	SIL	.KSCREEN	SOLDERMASK		FINISHED COPPER WEIGHT					
□ 0.031 ■ 0.062 □ 0.093 □ 0.125		LAYER 1 LAYER 2 NONE	X LAYER 1 X LAYER 2 NONE	□ 1 OZ. 図 2 OZ. □ OTHER						
DESIGN		TRACE	/GAP SPACING		LAYER COUNT					
SMD THRU-HO MIX	DLE	□ 0.010/ ■ 0.008, □ 0.006, □ OTHER	/0.007 /0.006		SINGLE SIDED 2 LAYER X 4 LAYER OTHER					

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11. TOLERANCES:	UNLESS OTHERWISE SPECIFIED PCB TOLERANCES SHALL BE: PCB THICKNESS TOLERANCE = $+/-10^{\circ}$ relative to finished thickness, measured from copper to copper PCB DIMENSIONAL TOLERANCE = $+/005$ inches relative to board profile and drill to edge dimensions. FINISHED HOLE DIAMETERS SHALL BE $+/003$ inches relative the Drill table dimensions.
12. PANEL BORDER:	ANY METAL IN BORDER AREA INCLUDING PART NUMBER, DATECODE AND/OR REVISION LETTERS MUST BE COVERED WITH SOLDERMASK.
13. PROCESS CHANGES	: NO DIMENSIONAL, MATERIAL, OR PROCESS CHANGES ARE ALLOWED WITHOUT PRIOR EXPLICIT WRITTEN PERMISSION FROM TEXAS INSTRUMENTS.



TEXAS INSTRUMENTS			COPPER LAYER NAME			SILKSCREEN SOLDER MASK		PASTE MASK		ASSEMBLY					
			TOP 1	INNER 2	INNER 3	BOT 4	TOP	вот	TOP	ВОТ	TOP	ВОТ	TOP	ВОТ	FAB DRAWING
BOARD NO: HPA507 A		ТОР												FB	
DATE: FILENAME: HPA507A bq76PL536EVM-3 Stack			C Design.PCB			PCB DESIGNER: Gordon V	er: on Varney		MODIFIED DATE: 06/29/2010		0	TIME STAMP:			

*HOLE CHART IS IN MILS

SIZE	QTY	SYM	PLATED	TOL
32	12	+	YES	+/-0.0
20	12	X	YES	+/-0.0
48.03	21	Е	YES	+/-0.0
37	72	\Diamond	YES	+/-0.0
40	26	\boxtimes	YES	+/-0.0
78.74	3	X	YES	+/-0.0
187	4	4	YES	+/-0.0
39	10	4	YES	+/-0.0
335	4	4	YES	+/-0.0
12	579	+	YES	+/-0.0

FABRICATION CHART											
FINISHED THICKNESS	SIL	KSCREEN	SOLDERMASK	FINISHED COPPER WEIGHT							
□ 0.031			X LAYER 1 X LAYER 2 NONE	☐ 1 0Z. 図 2 0Z. ☐ OTHER							
DESIGN		TRACE	/GAP SPACING			LAYER COUNT					
SMD THRU-HO MIX	DLE	0.010/ 0.008, 0.006,	/0.007 /0.006			☐ SINGLE SIDED ☐ 2 LAYER ☑ 4 LAYER ☐ OTHER					

NOTES: UNLESS OTHERWISE SPECIFIED

ALL MATERIALS, INCLUDING BUT NOT LIMITED TO BASE LAMINATE, BONDING MATERIALS 1. MATERIAL: AND SOLDERMASK COATINGS FORMING THE FINISHED PRINTED CIRCUIT BOARD SHALL MEET

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ACCORDANCE WITH IPC-SM-840. COLOR GREEN. MINOR SOLDERMASK ADJUSTMENTS TO FACILITATE PCB FAB OR ASSEMBLY

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INSTRUMENTS UPON COMPLETION OF PURCHASE ORDER

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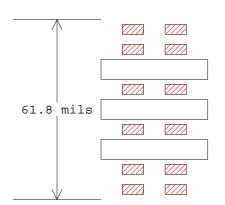
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FROM TEXAS INSTRUMENTS.

Layer Stackup. Design: HPA507A bq76PL536EVM-3 Stack Design.hyp, Designer: GordonV.

Number of layers: 9 Total thickness = 61.8 mils



NN	Layer Name	Туре	Usage	Thickness mils, oz	Technology	Metal
1	Plating	Metal	Signal	1		Copper
2	Тор	Metal	Signal	1		Copper
3	Substrate	Dielectric	Substrate	15	Prepreg	
4	Inner_Layer_2	Metal	Signal	2		Copper
5	Substrate	Dielectric	Substrate	21	Prepreg	
6	Inner_Layer_3	Metal	Signal	2		Copper
7	Substrate	Dielectric	Substrate	15	Prepreg	
8	Bottom	Metal	Signal	1		Copper
9	Plating	Metal	Signal	1		Copper