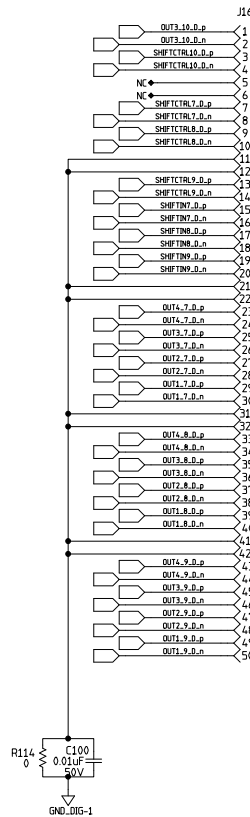
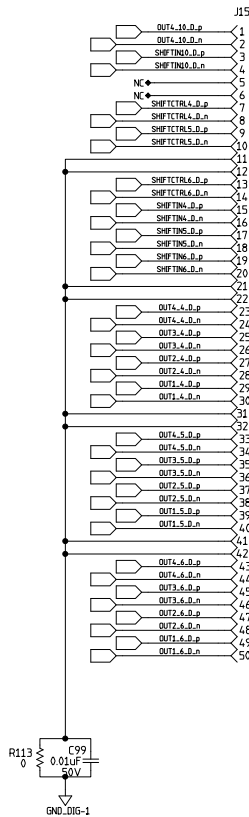
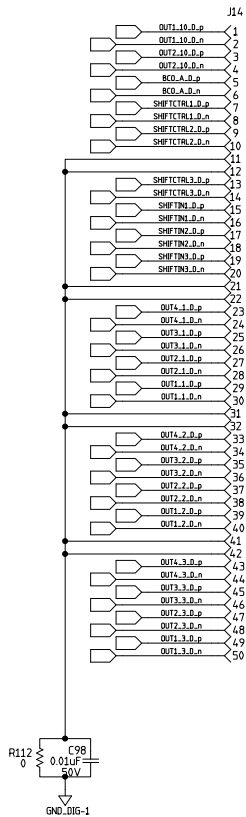




		ORIGINAL ISSUE							
REVISION LETTER	CLASS REVISION	REVISIONS		DATE	CHANGE BY	CHECK BY	APPROVED BY		
LOS ALAMOS LOS ALAMOS NATIONAL LABORATORY LOS ALAMOS, NEW MEXICO 87545				CLASSIFICATION OF		DRAWING U			
				PART: U		DRAWING U			
				TITLE		(P-25)			
						HEAVY QUARK DETECTOR DATA ACQUISITION SYSTEM SIGNAL CONNECTORS-STATION 2			
MENTOR 2005									
	NAME	SIGNATURE	DATE	GROUP					
ORIGINATED									
DESIGNED									
DRAWN	S. CHACON	S. CHACON	JUN '08	AOT-IC					
CHECKED	M. PROKOP	M. PROKOP	JUN '08	AOT-RFE					
PROJ. ENGR.	M. PROKOP	M. PROKOP	JUN '08	AOT-RFE					
APPROVED									
RELEASED									
				TOLERANCE UNLESS OTHERWISE NOTED:					
				X _u ± _____		XXX _u ± _____		ANGULAR ± _____	
				XXX _s ± _____		XXX _{XX} ± _____		FINISH ± _____	
SCALE		NO SHEETS		DRAWING NO.		SHEET		SIZE	
1		1		126Y-267912		2		D	

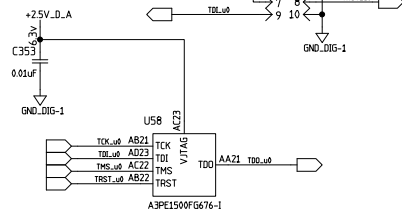
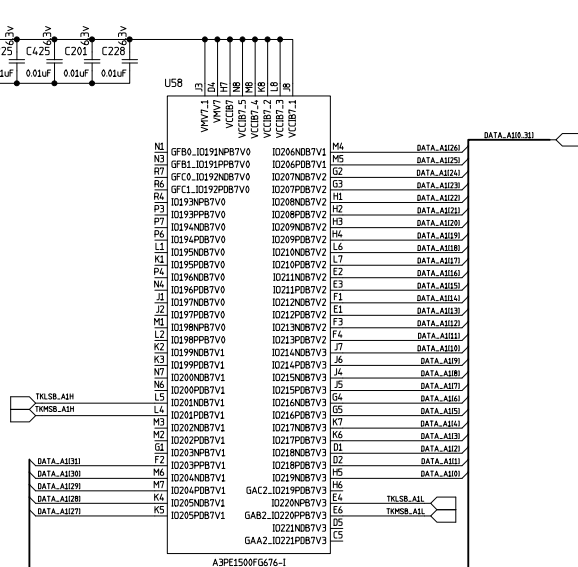
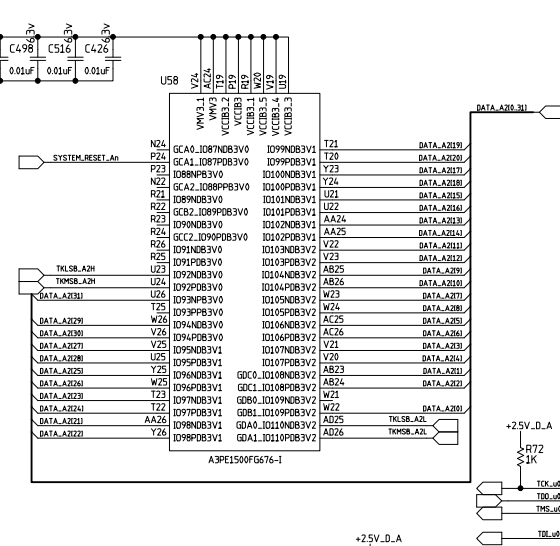


		ORIGINAL ISSUE									
REVISION LETTER	CLASS REVIEW	REVISIONS				DATE	CHANGED BY	CHECK BY	APPROVED BY		
LOS ALAMOS LOS ALAMOS NATIONAL LABORATORY LOS ALAMOS, NEW MEXICO 87545 MENTOR 2005						CLASSIFICATION OF		DRAWING U			
						PART: U		DRAWING U			
						TITLE		(P-25)			
								HEAVY QUARK DETECTOR			
								DATA ACQUISITION SYSTEM			
								SIGNAL CONNECTORS-STATION 3			
						TOLERANCE UNLESS OTHERWISE NOTED:					
DESIGNED						X± ±		0.00x ±		ANGULAR ±	
ORIGINATED						0.0x ±		0.000x ±		FINISH ±	
DRAWN S. CHACON						S. CHACON		JUN 08		AOT-IC	
CHECKED M. PROCIOP						M. PROCIOP		JUN 08		AOT-RFE	
PROD. ENGR. M. PROCIOP						M. PROCIOP		JUN 08		AOT-RFE	
APPROVED						SCALE		NO SHEETS		DRAWING NO.	
RELEASED						N/A		1		12679-267912	
										SIZE D	
										SHEET 3	

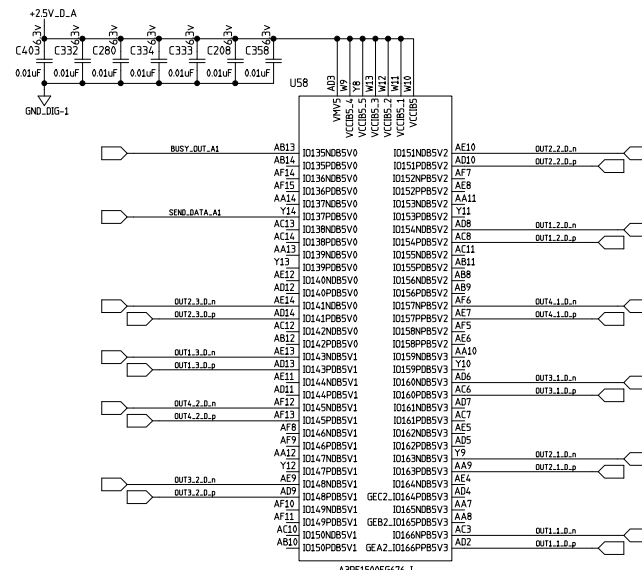
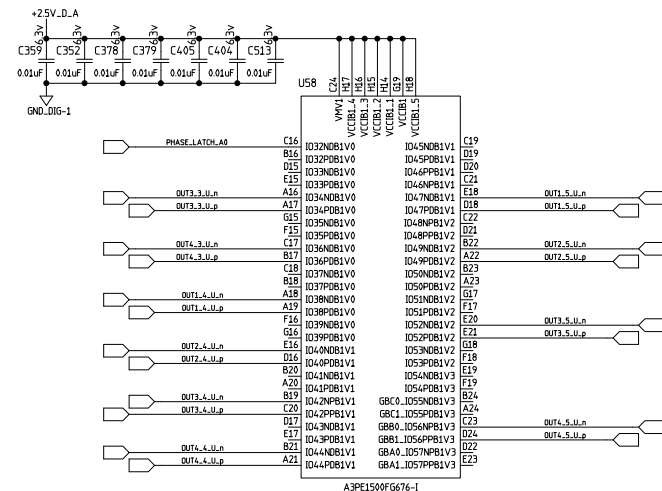
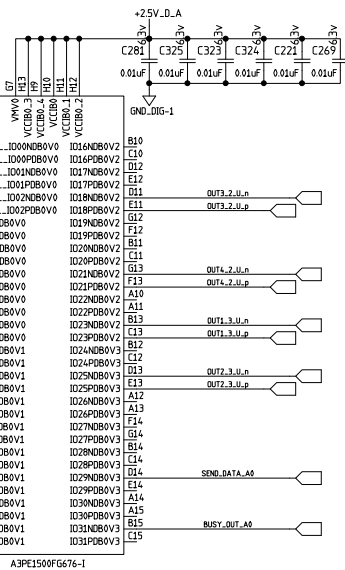


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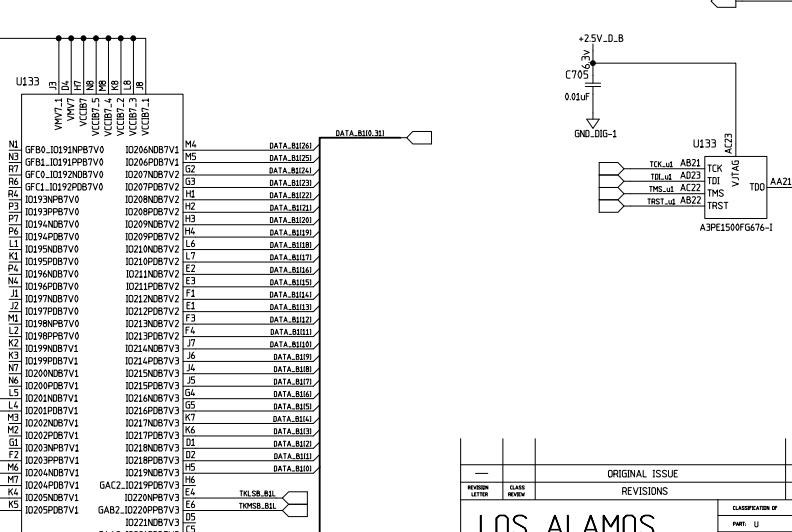
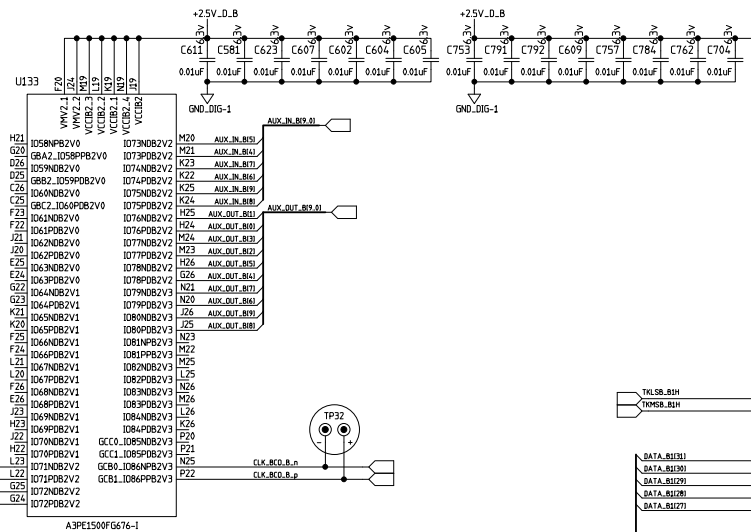
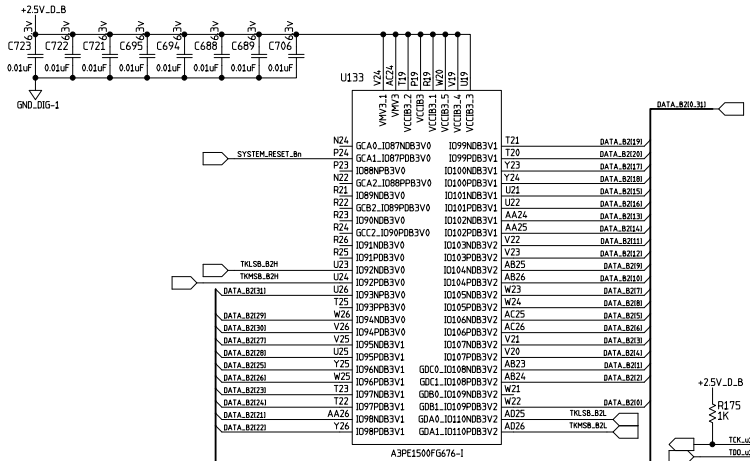
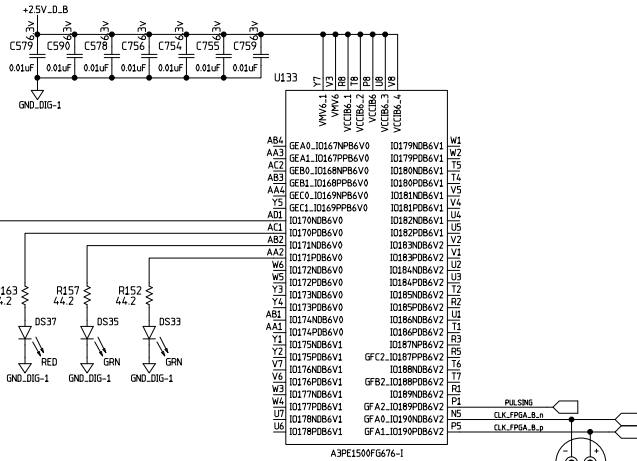
REVISION		CLASS		DATE		CHANGE		CHECK		APPROVED	
LETTER	NUMBER	REVISION	BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY
ORIGINAL ISSUE											
REVISIONS											
LOS ALAMOS											
LOS ALAMOS NATIONAL LABORATORY											
LOS ALAMOS, NEW MEXICO 87545											
PART: UJ DRAWING: UJ											
TITLE											
(P-25)											
HEAVY QUARK DETECTOR											
DATA ACQUISITION SYSTEM											
SIGNAL CONNECTORS-STATION 4											
MENTOR 2005											
DESIGNED		NAME		SIGNATURE		DATE		GROUP			
DRAWN		S. CHACON		S. CHACON		JUN 2008		ADT-IC			
CHECKED		M. PROKOP		M. PROKOP		JUN 2008		ADT-RFE			
PROJ ENGR		M. PROKOP		M. PROKOP		JUN 2008		ADT-RFE			
APPROVED											
RELEASED											
SCALE		N/A		NO SHEETS		1		DRAWING NO.		126Y-267912	
SHEET		D		NO.		4		AMBLAR		Z	



		ORIGINAL ISSUE								
		REVIEWS								
REVISION LETTER	CLASS REVIEW			DATE	OWNER BY	CHECK BY	APPROVED BY			
LOS ALAMOS LOS ALAMOS NATIONAL LABORATORY LOS ALAMOS, NEW MEXICO 87545				PART: U		DRAWING: U				
				TITLE						
				HEAVY QUARK DETECTOR DATA ACQUISITION SYSTEM FPGA A						
MENTOR 2005										
	NAME	SIGNATURE	DATE	GROUP						
ORIGINATED										
DESIGNED										
DRAWN	S. CHACON	S. CHACON	JUN 08	AOT-IC						
CHECKED	M. PROKOP	M. PROKOP	JUN 08	AOT-RFE						
PROJ. ENGR.	M. PROKOP	M. PROKOP	JUN 08	AOT-RFE						
APPROVED										
				TOLERANCE UNLESS OTHERWISE NOTED						
				Xs ± _____ 8.000s ± _____ ANGULAR ± _____						
				8.2s ± _____ 8.000s ± _____ FINISH ± _____						
				SCALE 1/						
				N/A		DRAWING NO. 126Y-267912		SHEET NO. 5		



ORIGINAL ISSUE							
REVISIONS							
REVISION	LETTER	CLASS	REVIEW	DATE	CHANGE	BY	APPROVED BY
LOS ALAMOS LOS ALAMOS NATIONAL LABORATORY LOS ALAMOS, NEW MEXICO 87545 MENTOR 2005				CLASSIFICATION OF			
				DRAWING U			
				PART: U DRAWING U			
				TITLE			
				(P-25)			
				HEAVY QUARK DETECTOR DATA ACQUISITION SYSTEM FPGA A			
				TOLERANCE ANALYSIS OTHERWISE NOTED			
DESIGNED				X ₀ ± 0.000 ±			
DRAWN				0.001 ±			
CHECKED				0.0005 ±			
PROJ. ENGR.				FINDI ±			
APPROVED				N/A			
RELEASED				NO SHEETS			
				DRAWING NO.			
				SCALE			
				1			
				267G-267912			
				SHEET			
				D 6			

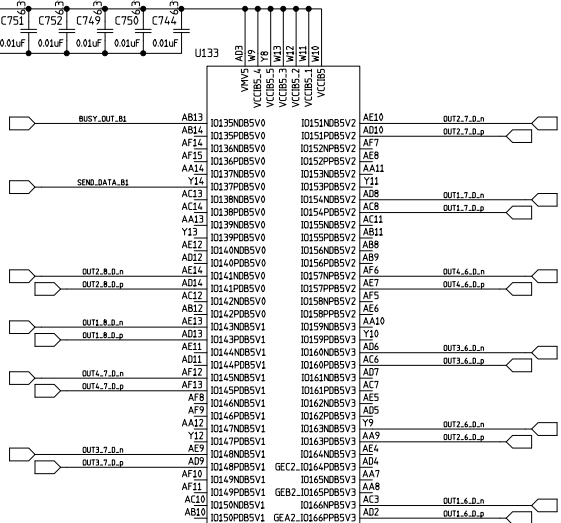
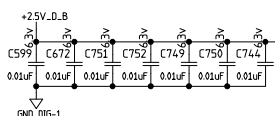
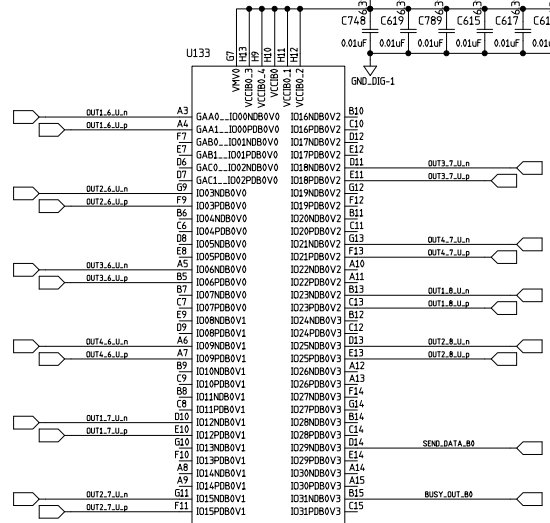
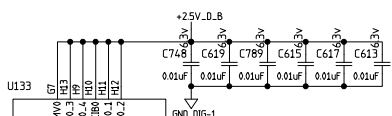
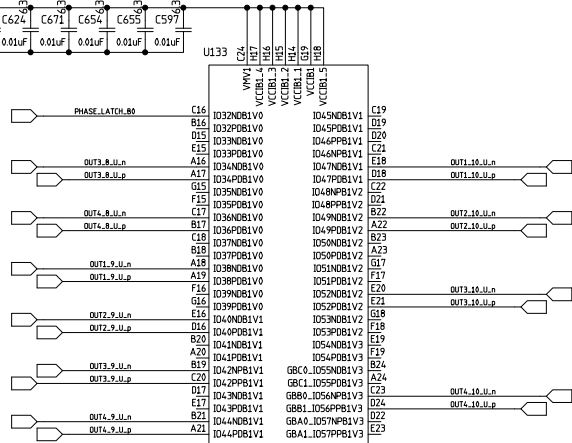
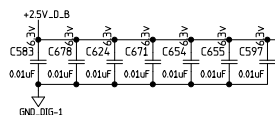
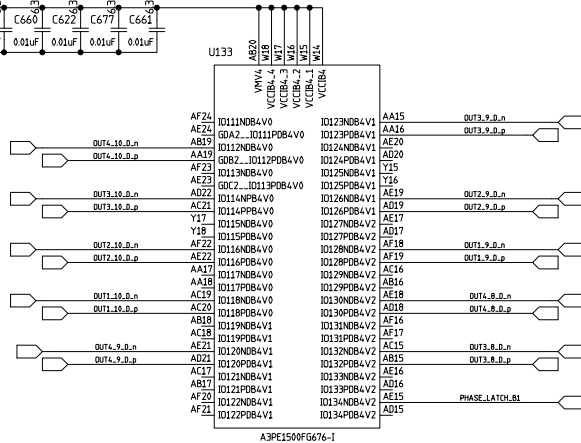
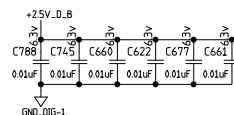


ORIGINAL ISSUE				REVISIONS			
REVISION LETTER	CLASS	REVIEW	DATE	CHANGE BY	CHECK BY	APPROVED BY	DATE
MENTOR 2005				NAME	SIGNATURE	DATE	GROUP
DESIGNED							
DRAWN							
CHECKED							
PHYS. ENGR.							
APPROVED							
RELEASED							

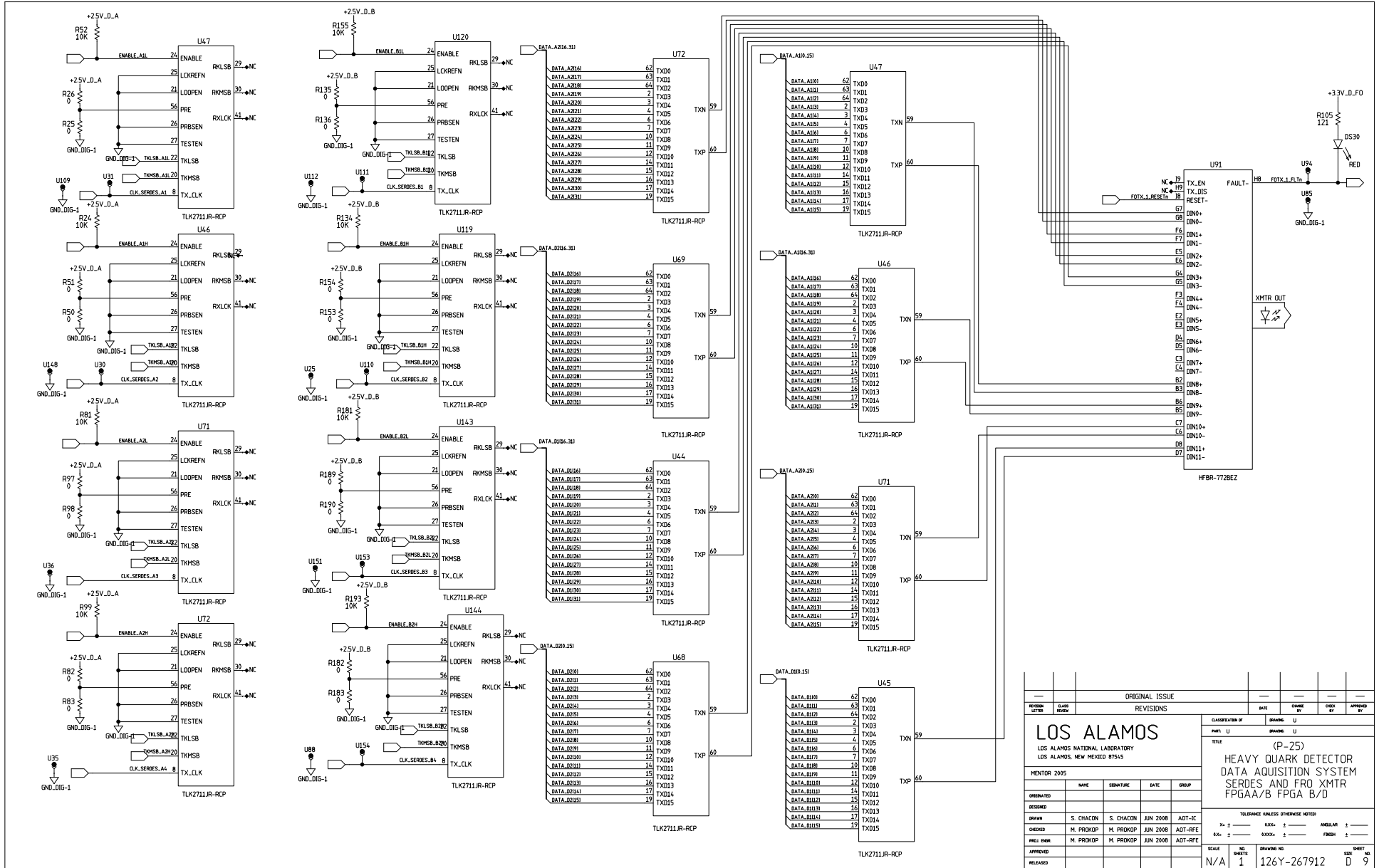
CLASSIFICATION OF		DRAWING NO.	
PART: U	DRAWING: U		
TITLE		(P-25)	
		HEAVY QUARK DETECTOR	
		DATA ACQUISITION SYSTEM	
		FPGA B	

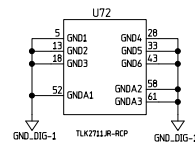
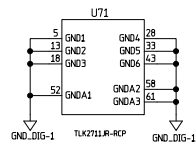
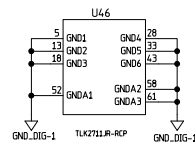
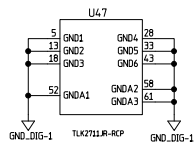
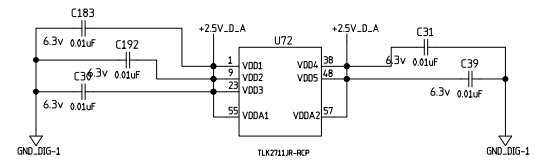
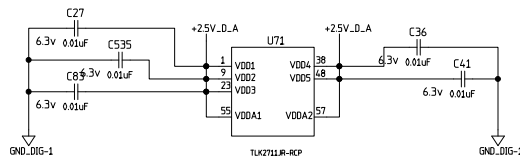
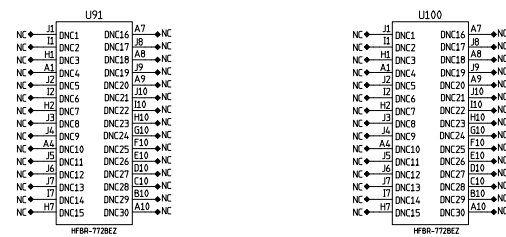
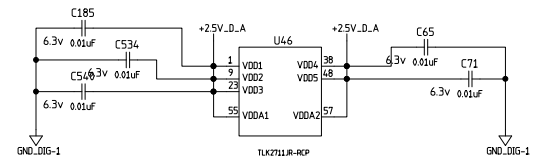
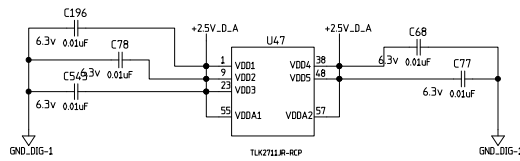
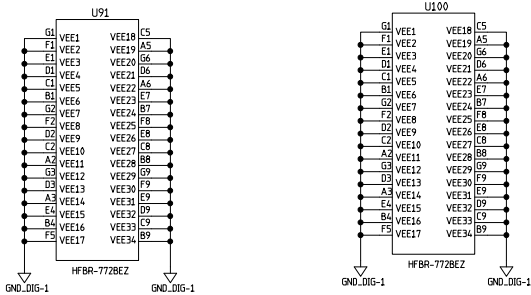
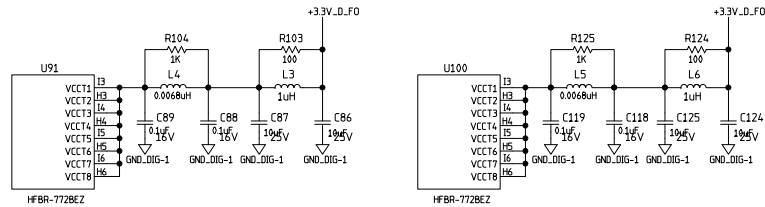
TOLERANCE UNLESS OTHERWISE NOTED			
XX ±	XXX ±	ANGULAR	±
XXX ±	XXXX ±	FRACTION	±

SCALE	NO. SHEETS	DRAWING NO.	SHEET NO.
N/A	1	126Y-267912	0 7



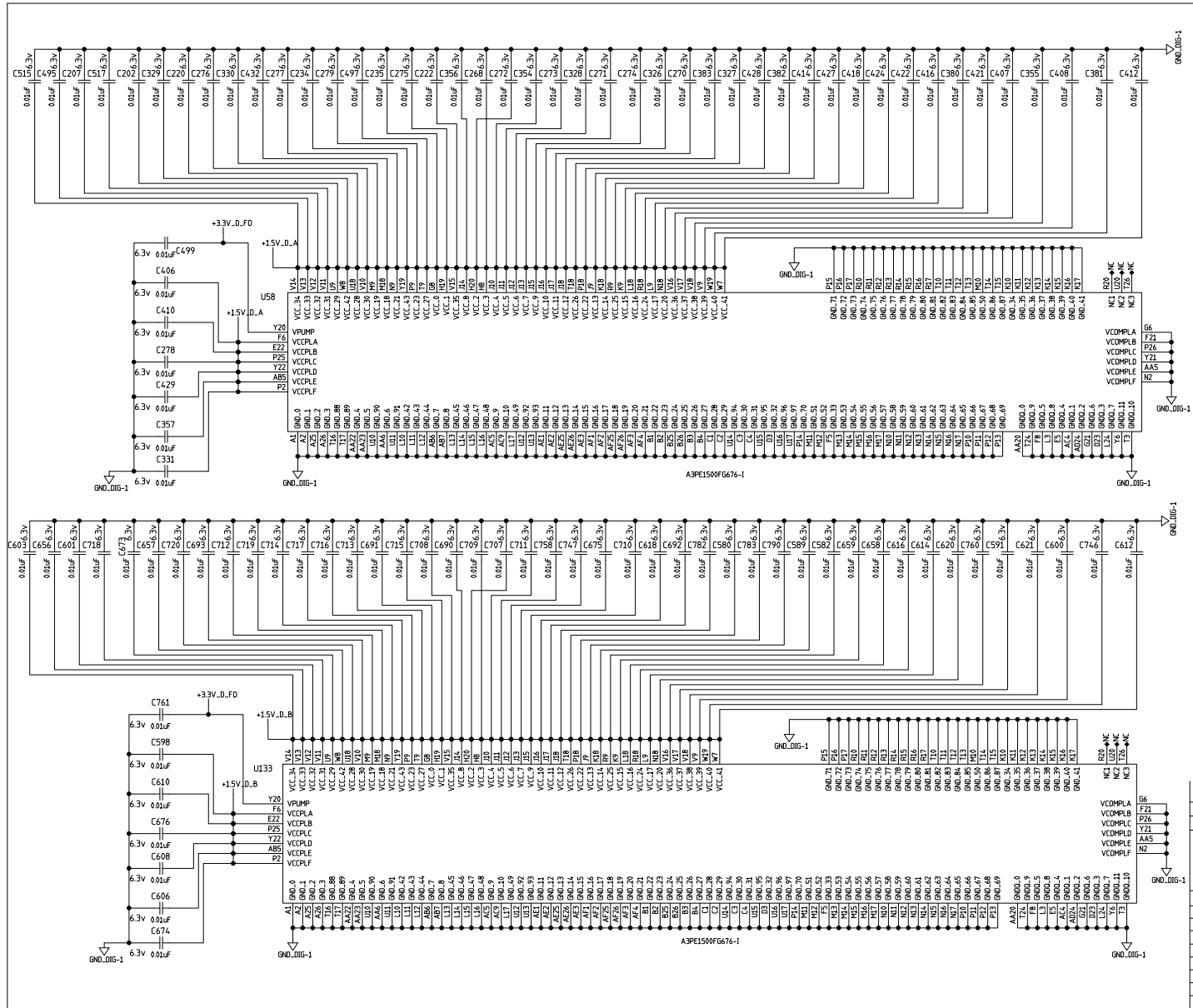
ORIGINAL ISSUE				REVISIONS			
REVISION LETTER	CLASS	REVISION	DATE	CHANGE BY	CREATED BY	APPROVED BY	
LOS ALAMOS				HEAVY QUARK DETECTOR DATA ACQUISITION SYSTEM FPGA B			
LOS ALAMOS NATIONAL LABORATORY LOS ALAMOS, NEW MEXICO 87545				MENTOR 2005			
DESIGNED				DRAWN			
CHECKED				PROJ. ENGR.			
APPROVED				RELEASED			
TOLERANCE UNLESS OTHERWISE NOTED				SCALE			
N/A				1			
126Y-267912				D			



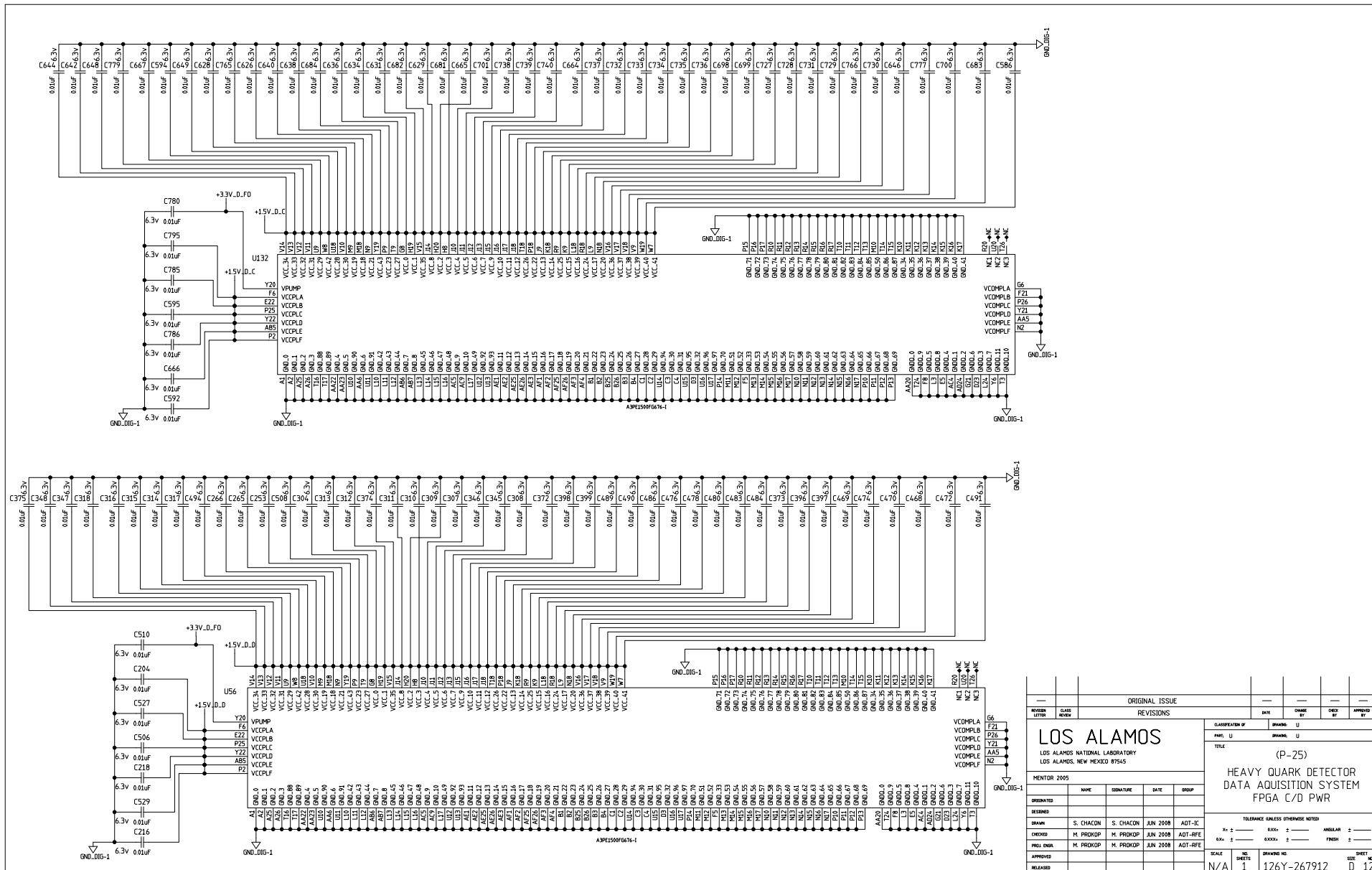


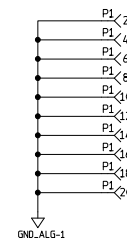
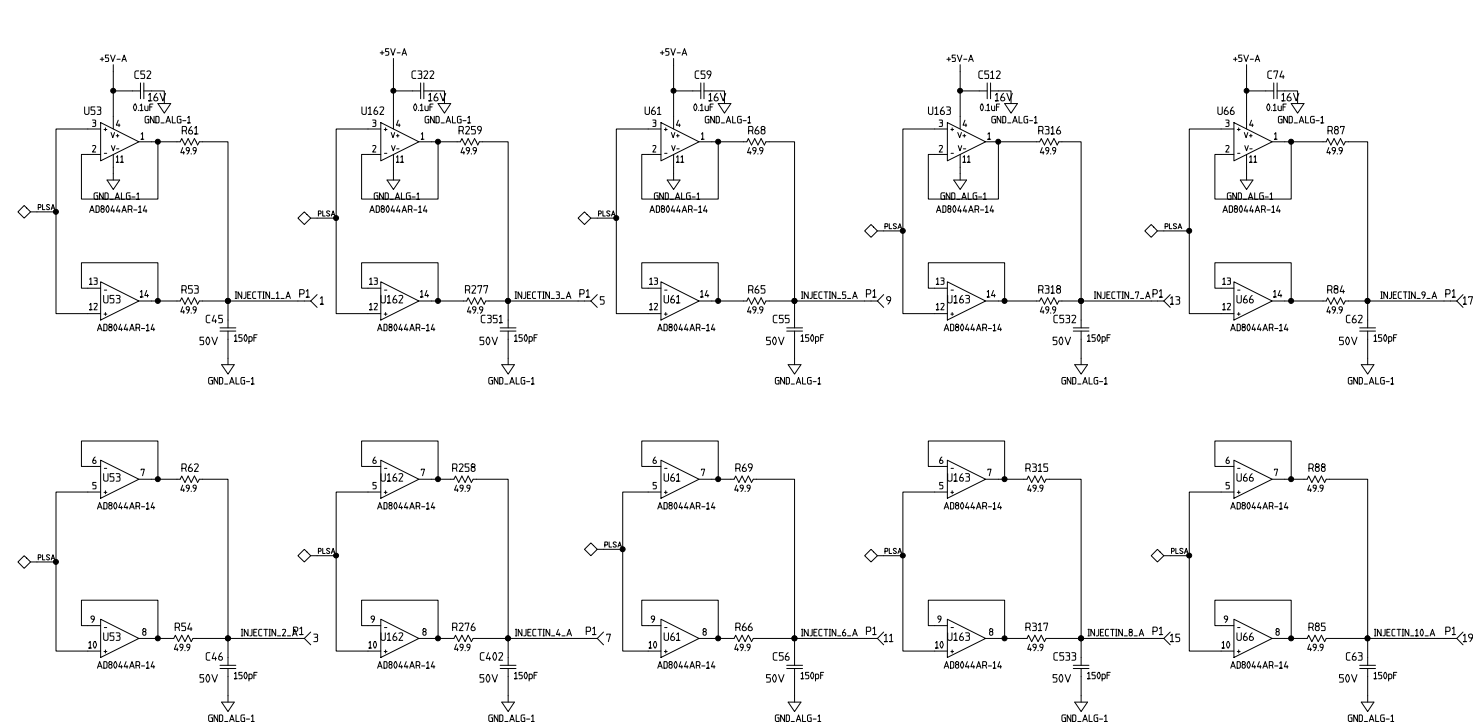
(P-25)

ORIGINAL ISSUE				DATE				CHANGE BY				CHECK BY				APPROVED BY			
REVISIONS																			
REVISION LETTER	CLASS	REVIEW																	
LOS ALAMOS																			
LOS ALAMOS NATIONAL LABORATORY LOS ALAMOS, NEW MEXICO 87545																			
MENTOR 2005																			
ORIGINATED	NAME	SIGNATURE	DATE	GROUP															
DESIGNED																			
DRAWN	S. CHACON	S. CHACON	JUN 2008	ADT-IC															
CHECKED	M. PROKOP	M. PROKOP	JUN 2008	ADT-RFE															
PROJ. ENR.	M. PROKOP	M. PROKOP	JUN 2008	ADT-RFE															
APPROVED																			
RELEASED																			
SCALE		NO. SHEETS		DRAWING NO.		SHEET NO.													
N/A		1		126Y-267912		D 10													

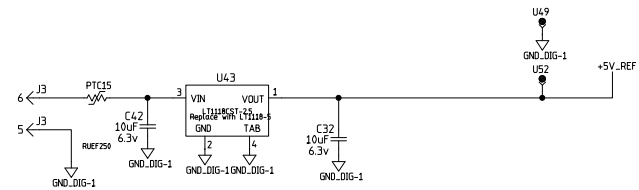
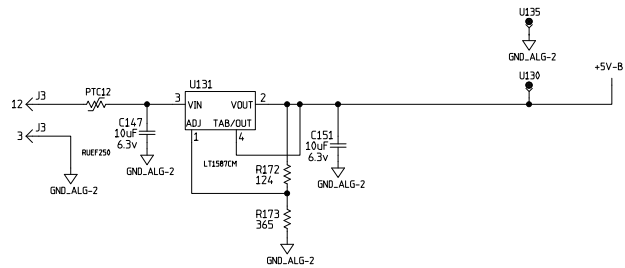
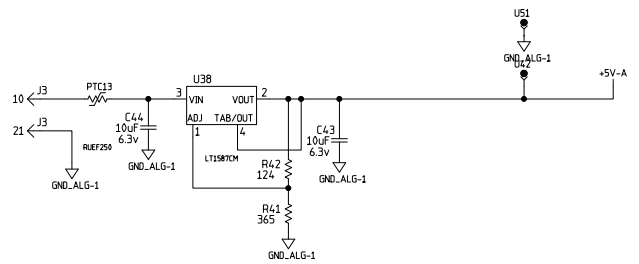


REVISION LETTER		CLASS	REVISION	DATE	CHANGE BY	CHECK BY	APPROVED BY
ORIGINAL ISSUE							
REVISIONS							
CLASSIFICATION OF		DRAWING		U			
PART: U		DRAWING: U					
TITLE							
(P-25)							
HEAVY QUARK DETECTOR DATA ACQUISITION SYSTEM FPGA A/B PWR							
TOLERANCE UNLESS OTHERWISE NOTED							
DRAWN		S. CHACON		JUN 2008		AOT-IC	
CHECKED		M. PROKOP		JUN 2008		AOT-RPE	
PROJ. ENGR		M. PROKOP		JUN 2008		AOT-RPE	
APPROVED							
RELEASED							
SCALE		N/A		NO. SHEETS		1	
DRAWING NO.		126Y-267912		SHEET		0	
SIZE		D		NO.		11	

[illegible]



		ORIGINAL ISSUE							
		REVISIONS							
REVISION LETTER	CLASS REVIEW			DATE	CHANGE BY	CHECK BY	APPROVED BY		
LOS ALAMOS LOS ALAMOS NATIONAL LABORATORY LOS ALAMOS, NEW MEXICO 87545 MENTOR 2005				CLASSIFICATION OF		DRAWING U			
				PART: U		DRAWING U			
				TITLE		(P-25)			
						HEAVY QUARK DETECTOR			
						DATA ACQUISITION SYSTEM			
				CALIB. PULSER A					
				TOLERANCE UNLESS OTHERWISE NOTED					
DRAWN		S. CHACON	S. CHACON	JUN '08	AOT-IC	X _u ±		0.00x ±	ANGULAR ±
CHECKED		M. PROKOP	M. PROKOP	JUN '08	AOT-RPE	0.0x ±		0.000x ±	FRESH ±
PREP. INGR.		M. PROKOP	M. PROKOP	JUN '08	AOT-RPE				
APPROVED						SCALE		NO SHEETS	DRAWING NO.
RELEASED						1/4		12679-267912	SHEET SIZE
								D 13	



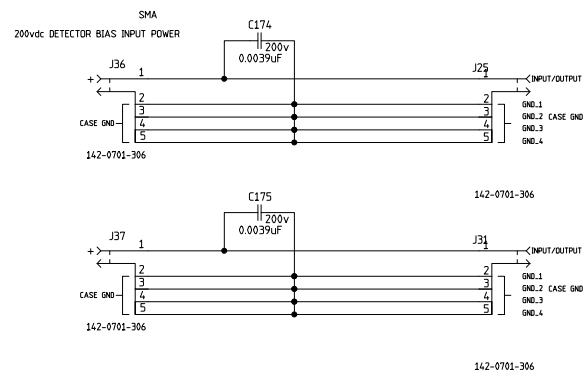
REVISION LETTER		CLASS REVISION		DATE		CHANGE BY		CHECK BY		APPROVED BY	
ORIGINAL ISSUE											
REVISIONS											
CLASSIFICATION OF				DRAWING				U			
PART: U				DRAWING				U			
TITLE											
(P-25)											
HEAVY QUARK DETECTOR											
DATA ACQUISITION SYSTEM											
+5V POWER											
MENTOR 2005											
DESIGNED		NAME		SIGNATURE		DATE		GROUP			
DRAWN		S. CHACON		S. CHACON		JUN 2008		ADT-IC			
CHECKED		M. PROKOP		M. PROKOP		JUN 2008		ADT-RFE			
PROJ ENGR		M. PROKOP		M. PROKOP		JUN 2008		ADT-RFE			
APPROVED											
RELEASED											
SCALE		NO		SHEETS		DRAWING NO		SHEET		NO	
N/A		1		126Y-267912		D		15			



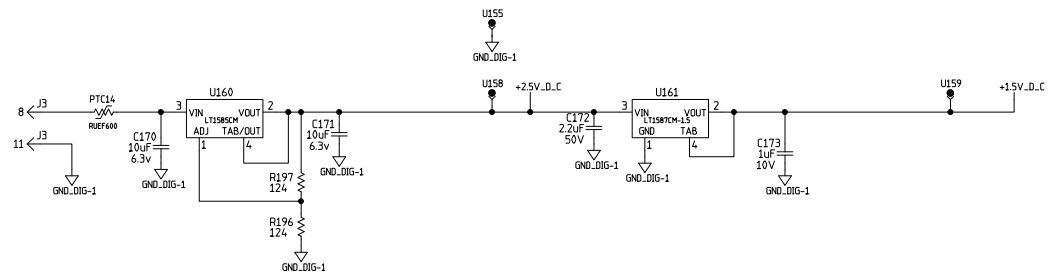
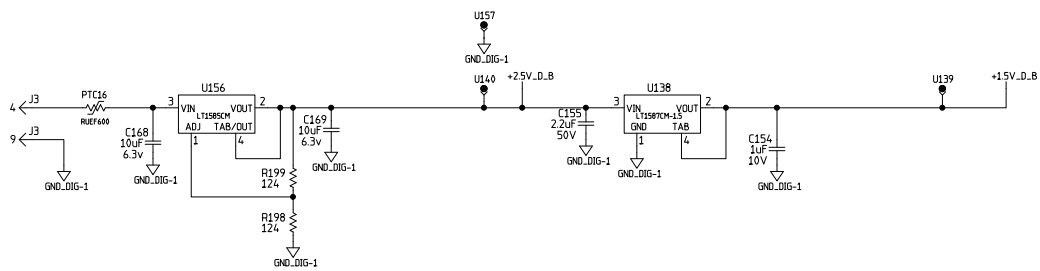
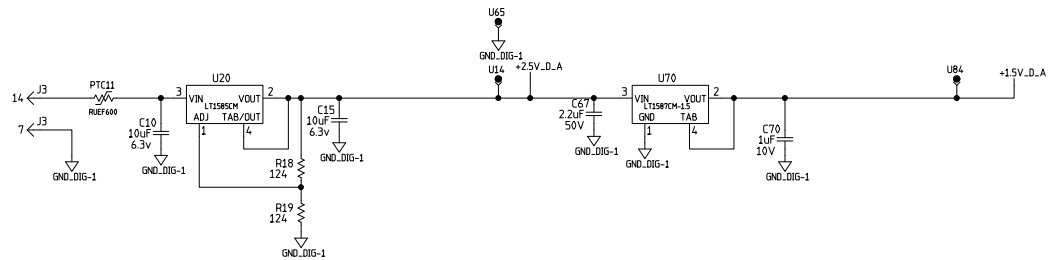
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REVISION LETTER	CLASS REVIEW	REVISIONS				DATE	CHANGED BY	CHECK BY	APPROVED BY
LOS ALAMOS LOS ALAMOS NATIONAL LABORATORY LOS ALAMOS, NEW MEXICO 87545		CLASSIFICATION OF		DRAWING U					
		PART: U		DRAWING U					
		TITLE		(P-25)					
MENTOR 2005						HEAVY QUARK DETECTOR DATA ACQUISITION SYSTEM CALIB. PULSER/PWR SUPPLY			
ORIGINATED	NAME	SIGNATURE	DATE	GROUP					
DESIGNED									
DRAWN	S. CHACON	S. CHACON	JUN 08	AOT-IC					
CHECKED	M. PROCKOP	M. PROCKOP	JUN 08	AOT-RFE					
PROD. ENGR.	M. PROCKOP	M. PROCKOP	JUN 08	AOT-RFE					
APPROVED									
RELEASED									
		TOLERANCE (UNLESS OTHERWISE NOTED)							
		X± .0005		.0005±		ANGULAR		±	
		.005±		.00005±		FINISH		±	
		SCALE		NO SHEETS		DRAWING NO.		SHEET NO.	
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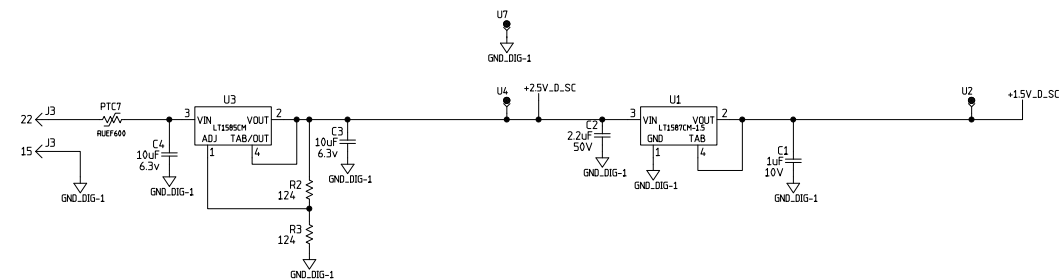
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REVISION LETTER	CLASS REVIEW	REVISIONS						DATE	CHANGED BY	CHECK BY	APPROVED BY	
LOS ALAMOS								CLASSIFICATION OF DRAWING U				
LOS ALAMOS NATIONAL LABORATORY LOS ALAMOS, NEW MEXICO 87545								PART: U DRAWING U				
MENTOR 2005								TITLE				
								(P-25)				
								HEAVY QUARK DETECTOR DATA ACQUISITION SYSTEM CALIB. PULSER/PWR SUPPLY				
								TOLERANCE UNLESS OTHERWISE NOTED:				
DRAWN S. CHACON S. CHACON JUN 08 AOT-IC								X± ± 0.00x ± ANGLAR ±				
CHECKED M. PROCKOP M. PROCKOP JUN 08 AOT-RFE								0.0x ± 0.000x ± FINISH ±				
PROD. ENGR M. PROCKOP M. PROCKOP JUN 08 AOT-RFE												
APPROVED								SCALE		NO SHEETS	DRAWING NO.	SHEET NO.
RELEASED								N/A		1	12671-267912	SIZE D 18

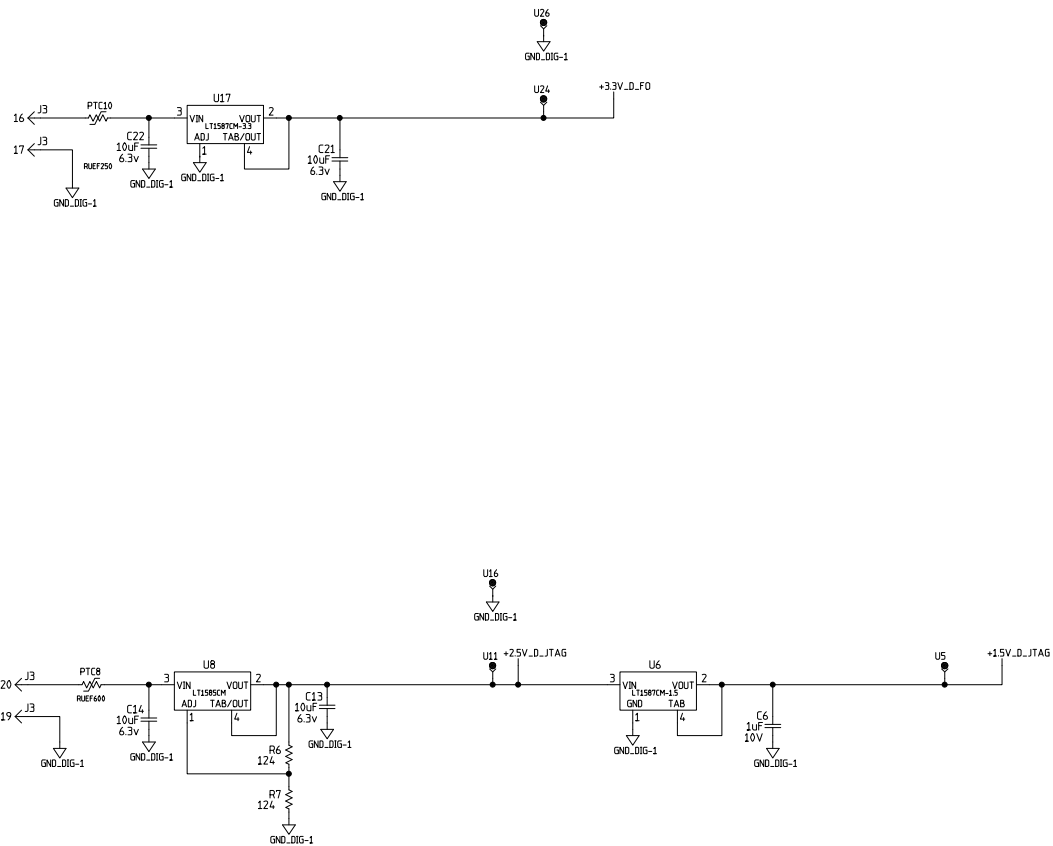


ORIGINAL ISSUE					REVISIONS				
REVISION LETTER	CLASS	REVISION	DATE	CHANGED BY	CHECKED BY	APPROVED BY	CLASSIFICATION OF		
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LOS ALAMOS							PART: U		
LOS ALAMOS NATIONAL LABORATORY							DRAWING U		
LOS ALAMOS, NEW MEXICO 87545							TITLE		
MENTOR 2005							(P-25)		
							HEAVY QUARK DETECTOR		
							DATA ACQUISITION SYSTEM		
							CALIB. PULSER/PWR SUPPLY		
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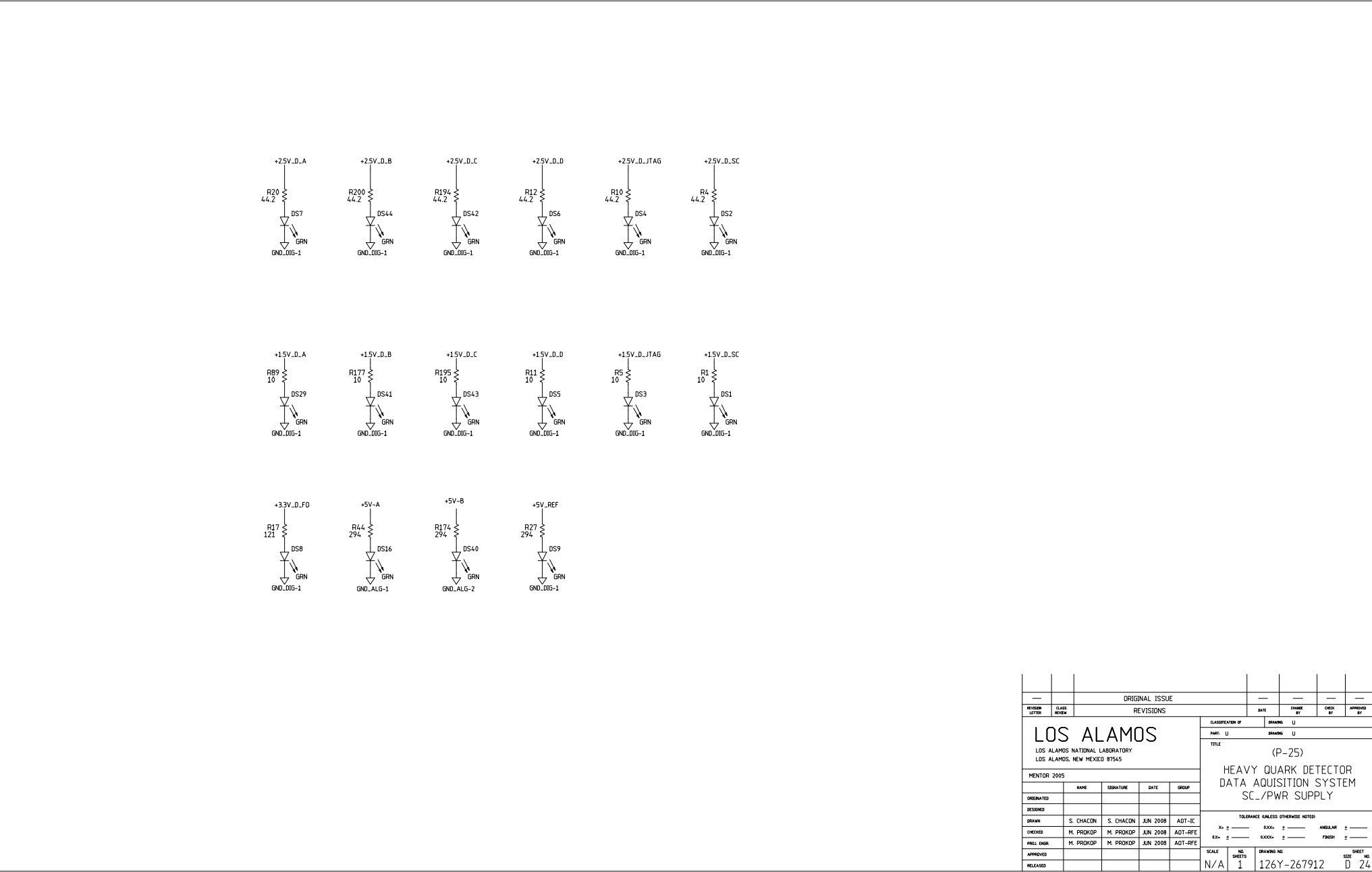


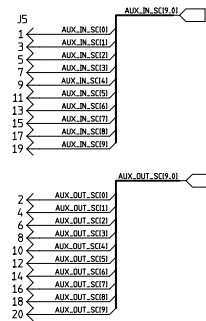
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DESIGNED																																																						
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CHECKED	M. PROKOP	M. PROKOP	JUN 2008	ADT-RFE																																																		
PROJ. ENGR.	M. PROKOP	M. PROKOP	JUN 2008	ADT-RFE																																																		
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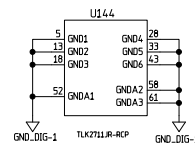
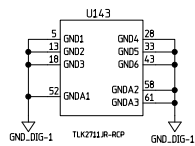
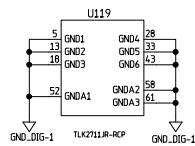
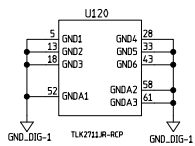
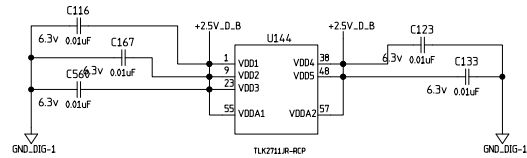
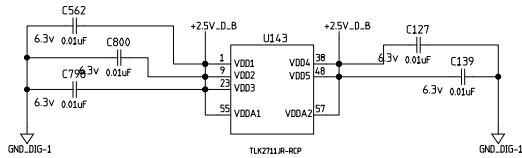
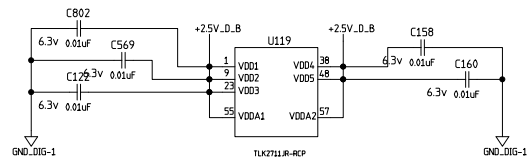
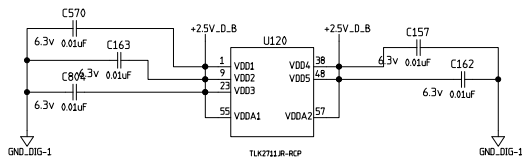


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MENTOR 2005				FO/JTAG/PWR SUPPLY				TOLERANCE UNLESS OTHERWISE NOTED			
DESIGNED	NAME	SIGNATURE	DATE	GROUP							
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CHECKED	M. PROKOP	M. PROKOP	JUN 2008	ADT-RFE							
PROJ ENGR	M. PROKOP	M. PROKOP	JUN 2008	ADT-RFE							
APPROVED											
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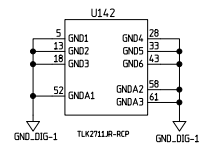
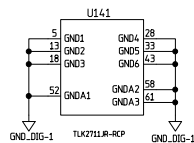
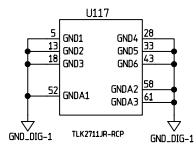
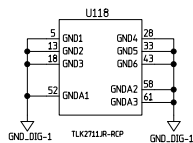
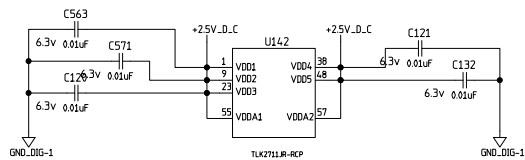
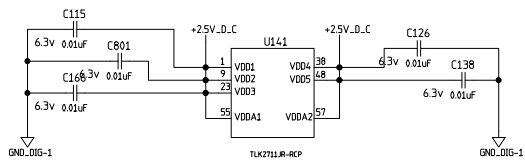
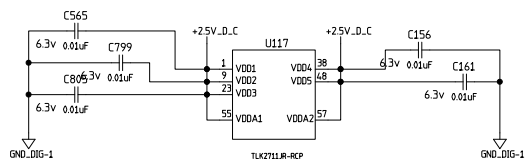
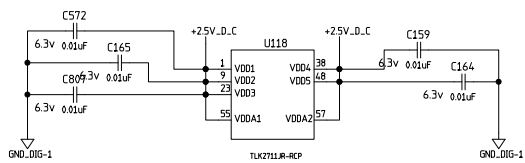




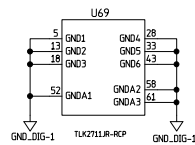
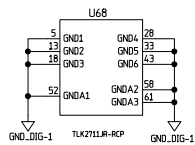
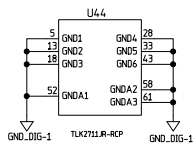
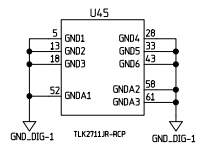
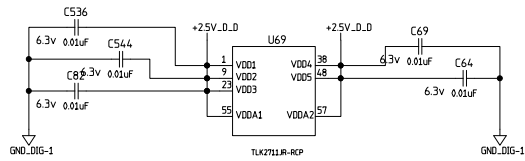
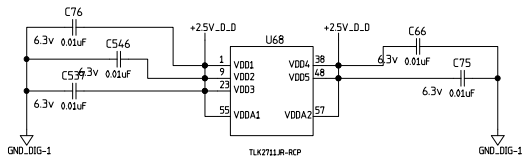
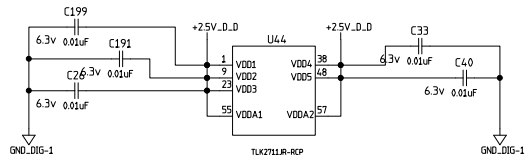
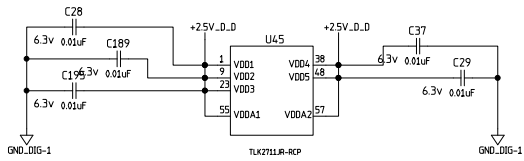
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				PART		U		DRAWING		U		
				TITLE						(P-25)		
				HEAVY QUARK DETECTOR						DATA ACQUISITION SYSTEM		
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DESIGNED	NAME	SIGNATURE	DATE	GROUP	X _s ± 0.004 ± 0.004 ANGULAR ± 0.004							
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PROD ENGR	M. PROKOP	M. PROKOP	JUN 2008	AQT-RFE								
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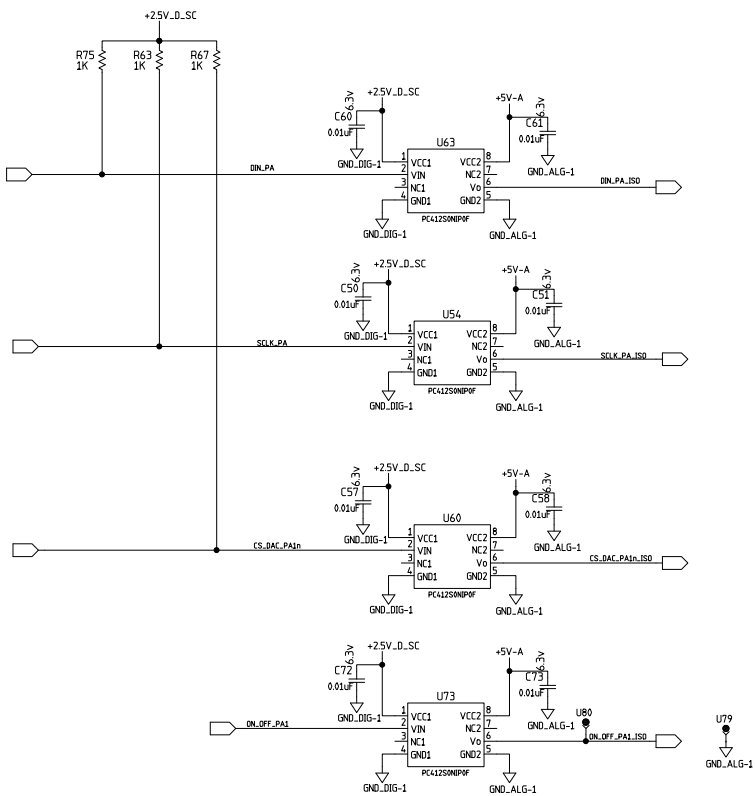
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DESIGNED		NAME		SIGNATURE		DATE		GROUP					
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PROJ. ENGR.		M. PROKOP		M. PROKOP		JUN 2008		ADT-RFE					
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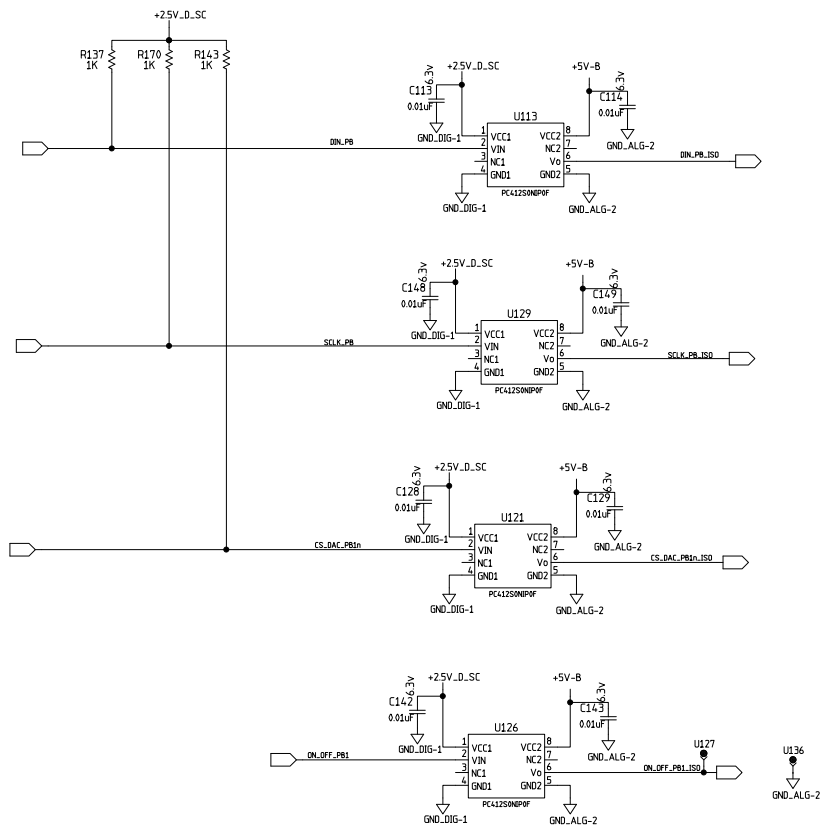
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MENTOR 2005				TOLERANCE UNLESS OTHERWISE NOTED					
DESIGNED	NAME	SIGNATURE	DATE	GROUP					
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CHECKED	M. PROKOP	M. PROKOP	JUN 2008	ADT-RFE					
PROJ ENGR	M. PROKOP	M. PROKOP	JUN 2008	ADT-RFE					
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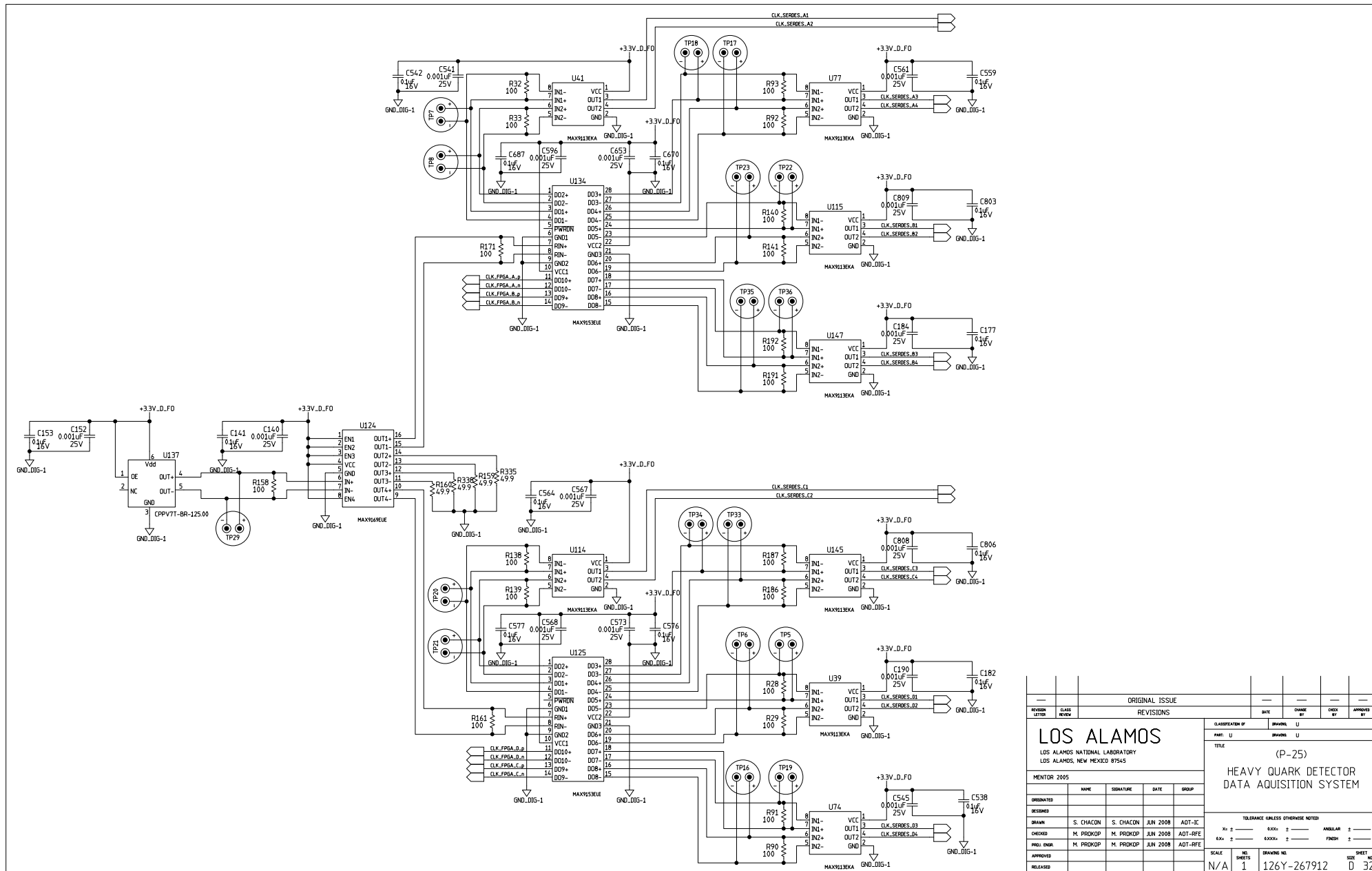
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DESIGNATED	NAME	SIGNATURE	DATE	GROUP					
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PROJ. ENGR.	M. PROKOP	M. PROKOP	JUN 2008	ADT-RFE					
APPROVED									
RELEASED									
TOLERANCE UNLESS OTHERWISE NOTED		X= ±		XXX= ±		ANGULAR ±			
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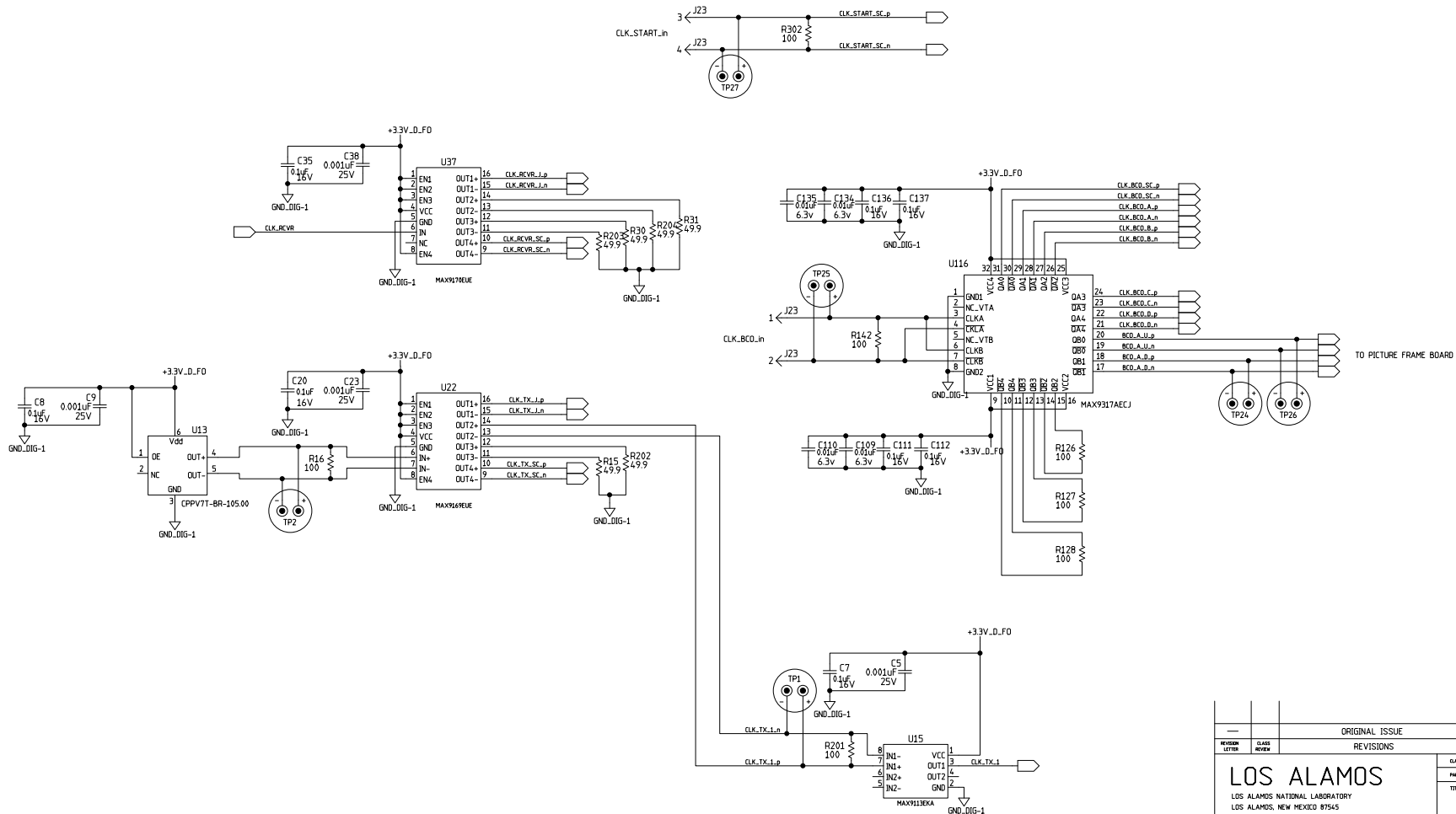
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PART: U		DRAWING		U		U		
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LOS ALAMOS		HEAVY QUARK DETECTOR						
LOS ALAMOS NATIONAL LABORATORY		DATA ACQUISITION SYSTEM						
LOS ALAMOS, NEW MEXICO 87545								
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DESIGNED BY	NAME	SIGNATURE	DATE	GROUP				
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CHECKED	M. PROKOP	M. PROKOP	JUN 2008	ADT-RFE				
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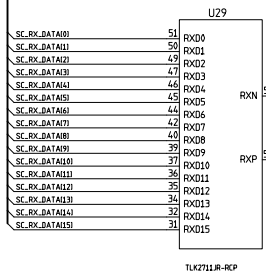
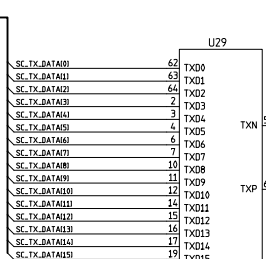
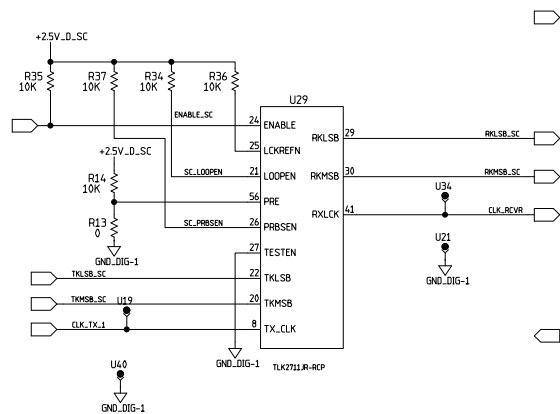
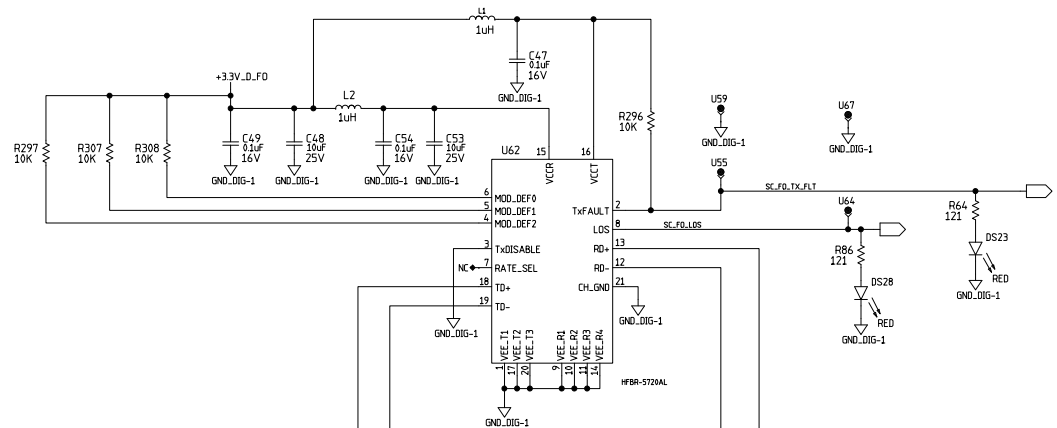
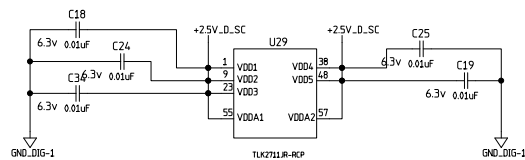
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ORIGINATED		NAME		SIGNATURE		DATE		GROUP			
DESIGNED											
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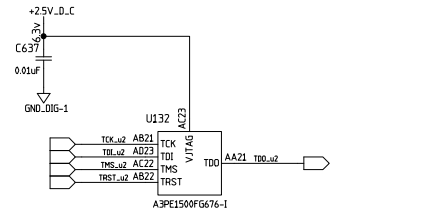
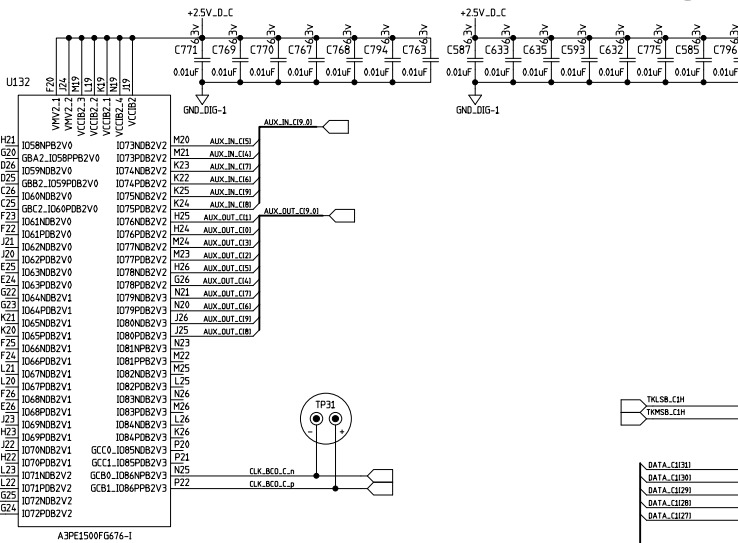
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CHECKED	M. PROKOP	M. PROKOP	JUN 2008	AOT-RFE			
PROJ. ENGR.	M. PROKOP	M. PROKOP	JUN 2008	AOT-RFE			
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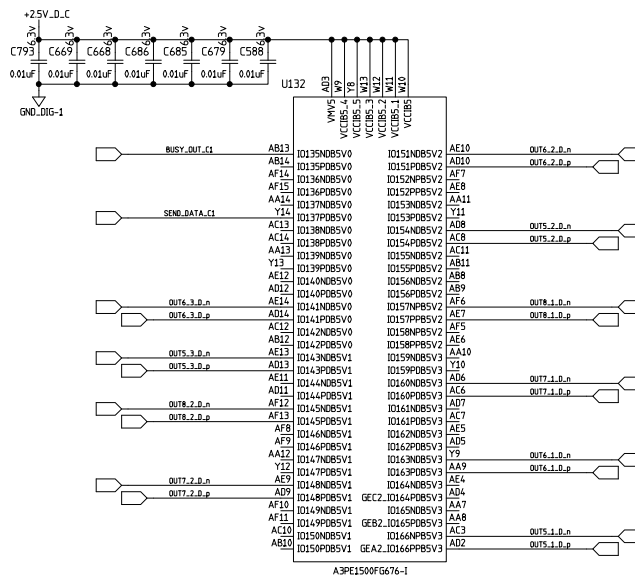
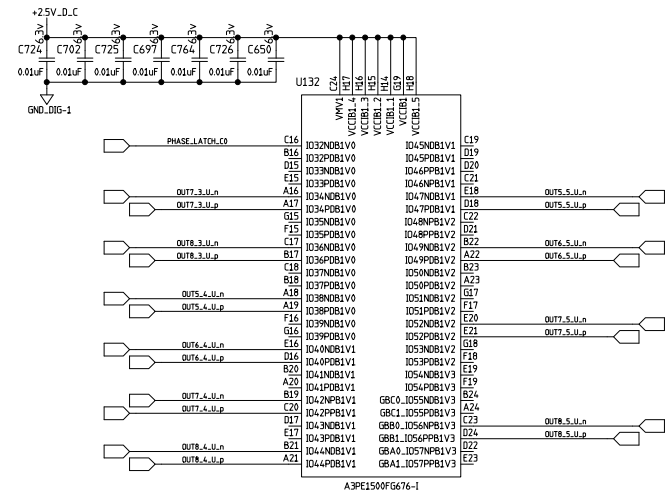
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DESIGNED				TOLERANCE UNLESS OTHERWISE NOTED					
NAME				SIGNATURE					
DATE				GROUP					
DRAWN				S. CHACON S. CHACON JUN 2008 ADT-IC					
CHECKED				M. PROKOP M. PROKOP JUN 2008 ADT-RFE					
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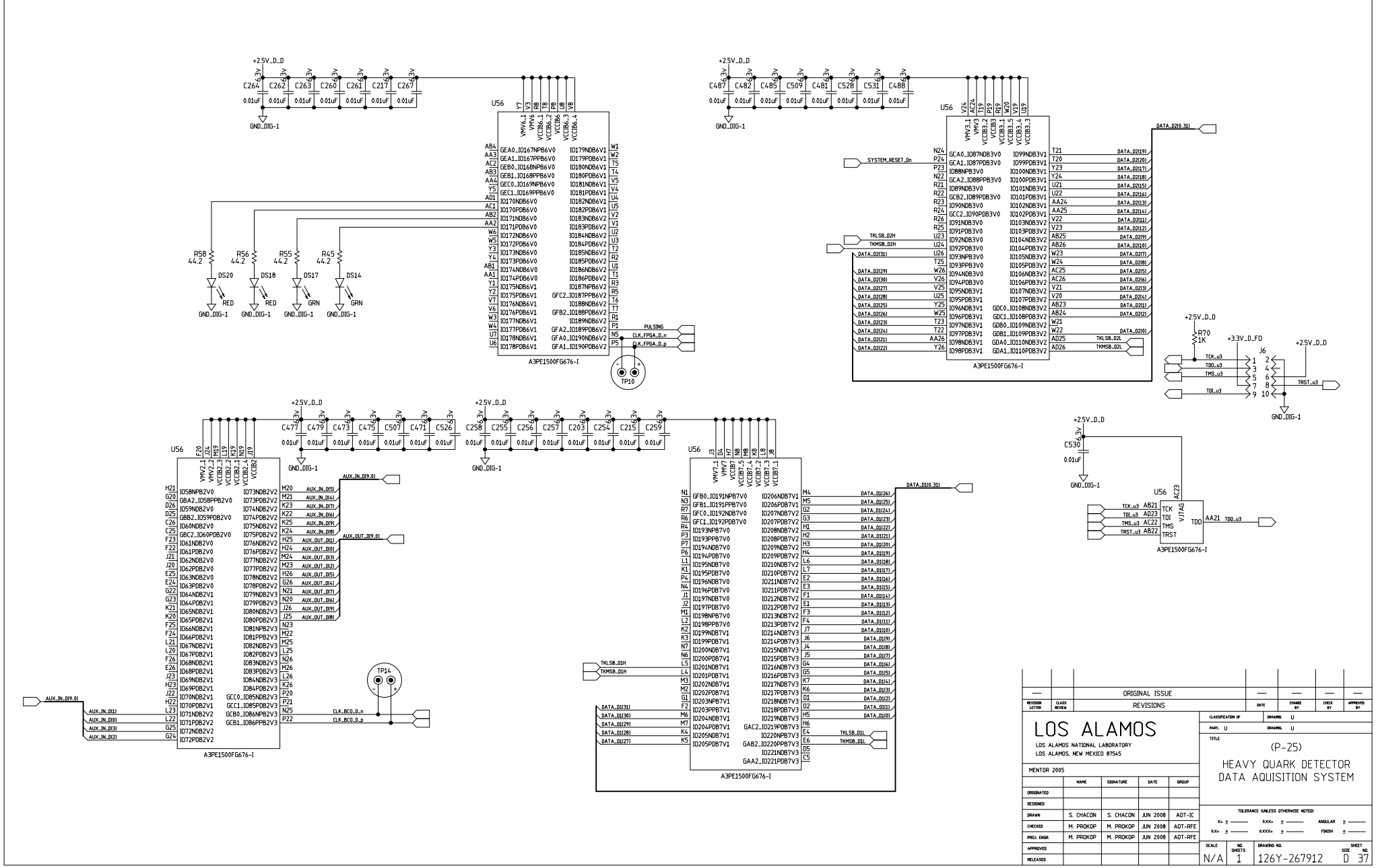
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DESIGNED	NAME	SIGNATURE	DATE	GROUP																														
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		ORIGINAL ISSUE							
		REVISIONS							
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LOS ALAMOS NATIONAL LABORATORY		PART: U							
LOS ALAMOS, NEW MEXICO 87545		DRAWING U							
		TITLE							
		(P-25)							
		HEAVY QUARK DETECTOR DATA ACQUISITION SYSTEM							
MENTOR 2005									
	NAME	SIGNATURE	DATE	GROUP					
DESIGNED									
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CHECKED	M. PROKOP	M. PROKOP	JUN 2008	AOT-RFE					
PLOT ENGR.	M. PROKOP	M. PROKOP	JUN 2008	AOT-RFE					
APPROVED									
REVISED									
SCALE		NO. SHEETS	DRAWING NO.				SIZE		DIET NO.
		1	126Y-267912						



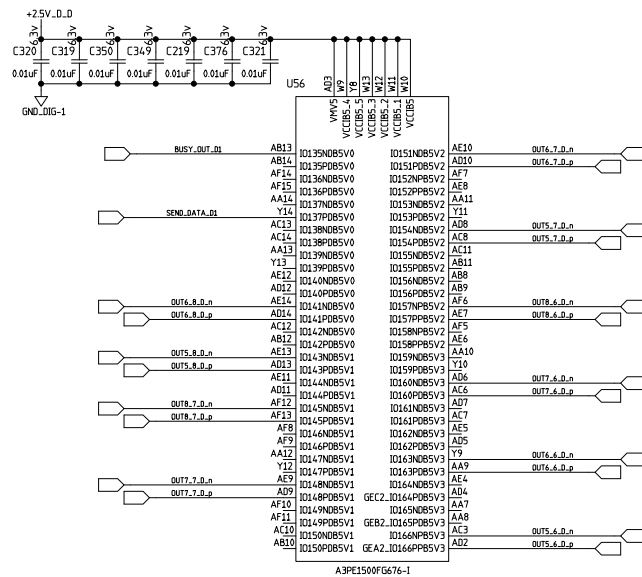
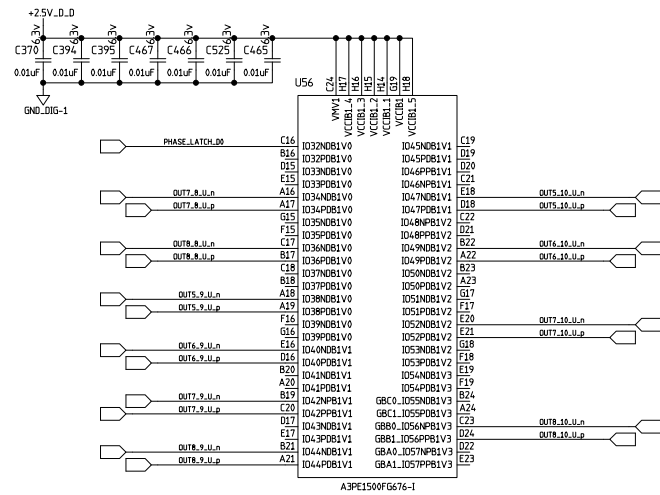
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REVISIONS										
REVISION LETTER	CLASS	REVIEW				DATE	CHANGE BY	CHECK BY	APPROVED BY	
LOS ALAMOS LOS ALAMOS NATIONAL LABORATORY LOS ALAMOS, NEW MEXICO 87545 MENTOR 2005					CLASSIFICATION OF		DRAWING		U	
					PART: U		DRAWING		U	
					TITLE					
					(P-25)					
					HEAVY QUARK DETECTOR DATA ACQUISITION SYSTEM					
					TOLERANCE UNLESS OTHERWISE NOTED					
					$X \pm \text{---}$ $0.00X \pm \text{---}$ ANGULAR $\pm \text{---}$ $0.0X \pm \text{---}$ $0.000X \pm \text{---}$ FINISH $\pm \text{---}$					
ORIGINATED	NAME	SIGNATURE	DATE	GROUP						
DESIGNED										
DRAWN	S. CHACON	S. CHACON	JUN 2008	AOT-IC						
CHECKED	M. PROKOP	M. PROKOP	JUN 2008	AOT-RPE						
PROJ. ENGR.	M. PROKOP	M. PROKOP	JUN 2008	AOT-RPE						
APPROVED										
RELEASED										
					SCALE	NO SHEETS	DRAWING NO		SHEET NO	
					N/A	1	1267-267912		SIZE D 36	



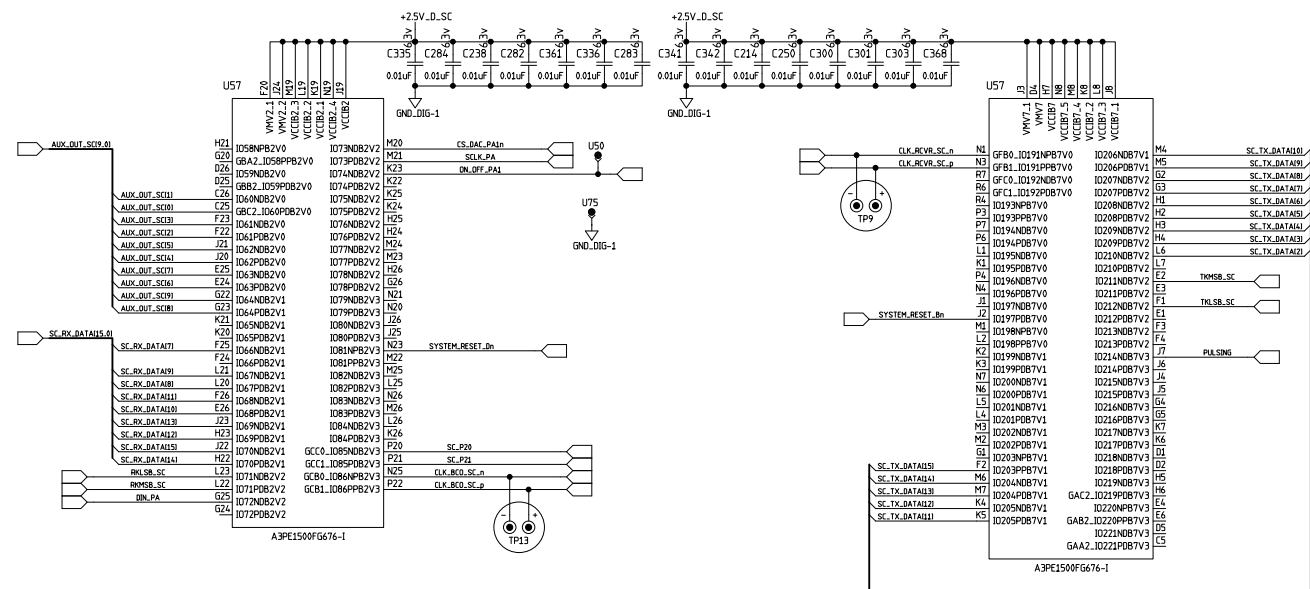
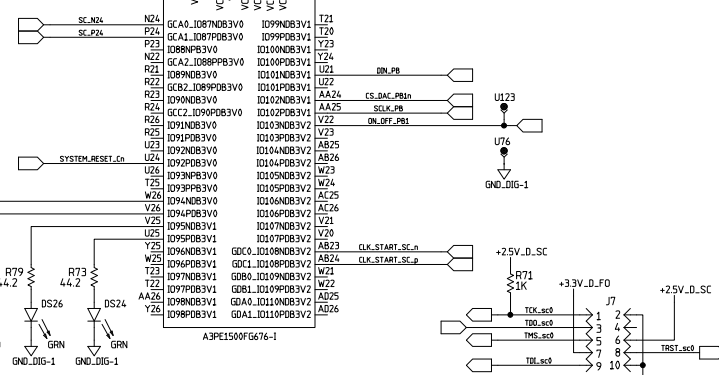
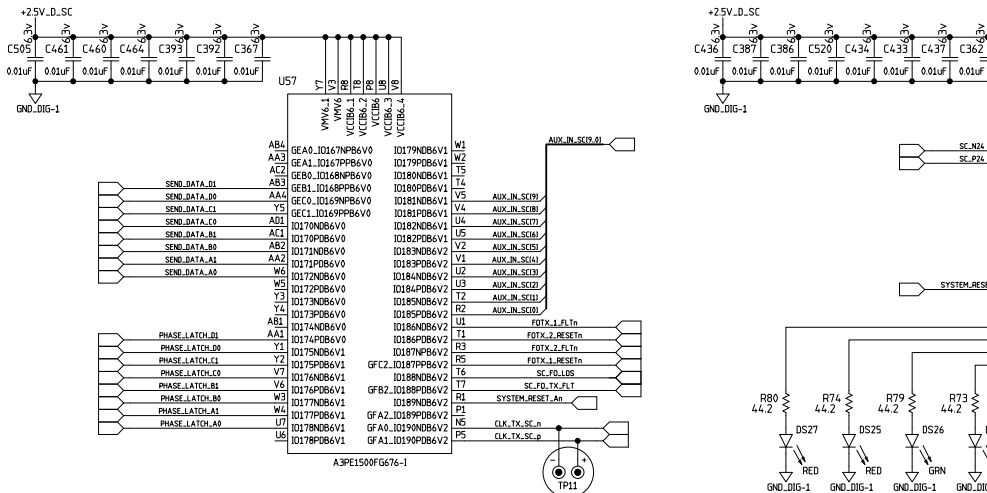
ORIGINAL ISSUE				REVISIONS			
REVISION	DATE	ISSUED BY	DESIGNED BY	DATE	ISSUED BY	DESIGNED BY	APPROVED BY
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

LOS ALAMOS			
LOS ALAMOS NATIONAL LABORATORY LOS ALAMOS, NEW MEXICO 87545			
MENTOR 2005			
DESIGNED	NAME	SIGNATURE	DATE
DESIGNED	S. CHACON	S. CHACON	JUN 2008
CHECKED	M. PROKOP	M. PROKOP	JUN 2008
PROL. ENR.	M. PROKOP	M. PROKOP	JUN 2008
APPROVED			
RELEASED			

CLASSIFICATION OF			
NAME	U	DRAWING	U
TITLE			
(P-25)			
HEAVY QUARK DETECTOR DATA ACQUISITION SYSTEM			
TOLERANCE UNLESS OTHERWISE NOTED			
3/16"	0.005"	1/16"	ANGULAR 2°
0.01"	0.0005"	1/32"	FIMSH 1/32"
SCALE	1	DRAWING NO.	126Y-267912
N/A	1	SHEET NO.	D 37



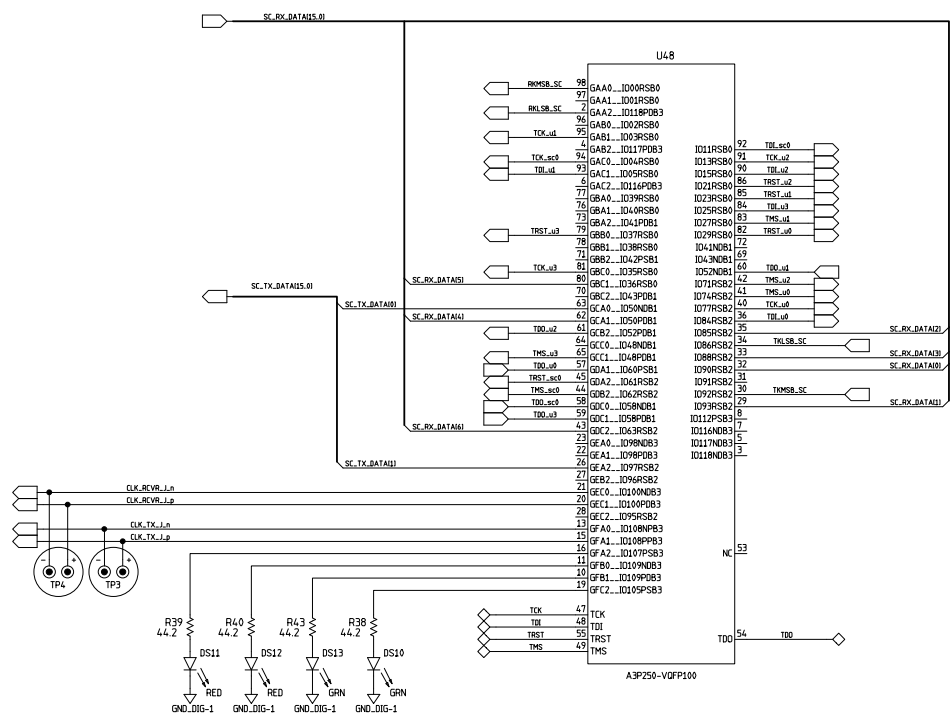
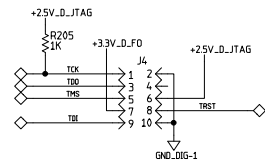
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		REVISIONS							
REVISION LETTER	CLASS REVIEW					DATE	CHANGE BY	CHECK BY	APPROVED BY
LOS ALAMOS LOS ALAMOS NATIONAL LABORATORY LOS ALAMOS, NEW MEXICO 87545						CLASSIFICATION OF			
						DRAWING U			
						PART: U DRAWING U			
						TITLE			
MENTOR 2005						(P-25)			
						HEAVY QUARK DETECTOR			
						DATA ACQUISITION SYSTEM			
						TOLERANCE UNLESS OTHERWISE NOTED:			
ORIGINATED DESIGNED DRAWN CHECKED PROJ ENGR APPROVED RELEASED NAME M. PROCIOP M. PROCIOP M. PROCIOP M. PROCIOP M. PROCIOP SIGNATURE DATE JUN 2008 JUN 2008 JUN 2008 JUN 2008 JUN 2008 GROUP ADT-IC ADT-RPE ADT-RPE ADT-RPE ADT-RPE						X: ± 0.00x ± ANGULAR ± 0.0x ± 0.000x ± FINISH ±			
						SCALE NO SHEETS DRAWING NO SHEET NO			
						N/A 1 126Y-267912 0 38			



ORIGINAL ISSUE				REVISIONS			
REVISION	DATE	CLASS	REVIEW	DATE	CLASS	REVIEW	APPROVED
1	2005	U	U	2	U	U	U
LOS ALAMOS				HEAVY QUARK DETECTOR DATA ACQUISITION SYSTEM			
LOS ALAMOS NATIONAL LABORATORY				LOS ALAMOS, NEW MEXICO 87545			
MENTOR 2005				TOLERANCE UNLESS OTHERWISE NOTED			
DRAWN	S. CHACON	S. CHACON	JUN 2008	AOT-JC	SCALE	NO. SHEETS	DRAWING NO.
CHECKED	M. PROKOP	M. PROKOP	JUN 2008	AOT-RFE	1	1	1267-267912
PREL. ENGR.	M. PROKOP	M. PROKOP	JUN 2008	AOT-RFE	1	1	1267-267912
APPROVED					1	1	1267-267912
RELEASED					1	1	1267-267912



		ORIGINAL ISSUE									
REVISOR	CLASS	REVISIONS				DATE	CHANGE BY	CHECK BY	APPROVED BY		
LETTER	REVIEW										
LOS ALAMOS											
LOS ALAMOS NATIONAL LABORATORY											
LOS ALAMOS, NEW MEXICO 87545											
MENTOR 2005											
	NAME	SIGNATURE	DATE	GROUP							
ORIGINATED											
DESIGNED											
DRAWN	S. CHACON	S. CHACON	JUN 08	ADT-JC							
CHECKED	M. PROCKOP	M. PROCKOP	JUN 08	ADT-RFE							
PROJ. ENGR.	M. PROCKOP	M. PROCKOP	JUN 08	ADT-RFE							
APPROVED											
RELEASED											
					CLASSIFICATION OF		DRAWING		BY		
					PART: U		DRAWING		U		
					TITLE						
					(P-25)						
					HEAVY QUARK DETECTOR						
					DATA ACQUISITION SYSTEM						
					TOLERANCE UNLESS OTHERWISE NOTED:						
					X: ± _____ 6XXX ± _____ ANGULAR ± _____						
					6X: ± _____ 6XXXX ± _____ FMSD ± _____						
					SCALE	NO SHEETS	DRAWING NO.		SHEET NO.		
					N/A	1	126Y-267912		SIZE D 40		



		ORIGINAL ISSUE																	
		REVIEWS																	
REVISION LETTER	CLASS REVIEW											DATE	OWNER BY	DEED BY	APPROVED BY				
LOS ALAMOS LOS ALAMOS NATIONAL LABORATORY LOS ALAMOS, NEW MEXICO 87545												DRAWING OF		DRAWING: U					
												PART: U		DRAWING: U					
												TITLE							
												(P-25)							
												HEAVY QUARK DETECTOR DATA ACQUISITION SYSTEM							
MENTOR 2005																			
	NAME	SIGNATURE	DATE	GROUP															
COORDINATED																			
DESIGNED																			
DRAWN	S. CHACON	S. CHACON	JUN 98	ADT-IC															
CHECKED	M. PROKOP	M. PROKOP	JUN 98	ADT-RFE															
PROJ. ENGR	M. PROKOP	M. PROKOP	JUN 98	ADT-RFE															
APPROVED																			
RELEASED																			
												TOLERANCE UNLESS OTHERWISE NOTED:							
												X ±	2	0.004" ±	2	ANGULAR	±		
												0.004" ±	2	0.004" ±	2	FINGER	±		
												SCALE	NO	SHEETS	1	DRAWING NO.	126Y-267912	SHEET	41
												N/A	1						

	OUT4-1-U-n	R227	OUT4-1-U-p	
	OUT3-1-U-p	100	OUT3-1-U-n	
	OUT2-1-U-p	R241	OUT2-1-U-n	
	OUT1-1-U-p	100	OUT1-1-U-n	
	OUT4-2-U-p	R262	OUT4-2-U-n	
	OUT3-2-U-p	100	OUT3-2-U-n	
	OUT2-2-U-p	R250	OUT2-2-U-n	
	OUT1-2-U-p	100	OUT1-2-U-n	
	OUT4-3-U-p	R280	OUT4-3-U-n	
	OUT3-3-U-p	100	OUT3-3-U-n	
	OUT2-3-U-p	R261	OUT2-3-U-n	
	OUT1-3-U-p	100	OUT1-3-U-n	
	OUT4-4-U-p	R298	OUT4-4-U-n	
	OUT3-4-U-p	100	OUT3-4-U-n	
	OUT2-4-U-p	R270	OUT2-4-U-n	
	OUT1-4-U-p	100	OUT1-4-U-n	

	OUT4-8-U-p	R387	OUT4-8-U-n	
	OUT3-8-U-p	100	OUT3-8-U-n	
	OUT2-8-U-n	R368	OUT2-8-U-p	
	OUT1-8-U-p	100	OUT1-8-U-n	
	OUT4-9-U-n	R409	OUT4-9-U-p	
	OUT3-9-U-p	100	OUT3-9-U-n	
	OUT2-9-U-p	R377	OUT2-9-U-n	
	OUT1-9-U-p	100	OUT1-9-U-n	
	OUT4-10-U-p	R411	OUT4-10-U-n	
	OUT3-10-U-p	100	OUT3-10-U-n	
	OUT2-10-U-p	R410	OUT2-10-U-n	
	OUT1-10-U-p	100	OUT1-10-U-n	
	OUT4-6-U-p	R346	OUT4-6-U-n	
	OUT3-6-U-p	100	OUT3-6-U-n	
	OUT2-6-U-n	R353	OUT2-6-U-p	
	OUT1-6-U-p	100	OUT1-6-U-n	

	OUT4-5-U-p	R310	OUT4-5-U-n	
	OUT3-5-U-p	100	OUT3-5-U-n	
	OUT2-5-U-p	R309	OUT2-5-U-n	
	OUT1-5-U-p	100	OUT1-5-U-n	
	OUT4-1-U-p	R231	OUT4-1-U-n	
	OUT3-1-U-p	100	OUT3-1-U-n	
	OUT2-1-U-p	R242	OUT2-1-U-n	
	OUT1-1-U-p	100	OUT1-1-U-n	
	OUT4-2-U-p	R253	OUT4-2-U-n	
	OUT3-2-U-p	100	OUT3-2-U-n	
	OUT2-2-U-p	R251	OUT2-2-U-n	
	OUT1-2-U-p	100	OUT1-2-U-n	
	OUT4-3-U-p	R285	OUT4-3-U-n	
	OUT3-3-U-p	100	OUT3-3-U-n	
	OUT2-3-U-p	R263	OUT2-3-U-n	
	OUT1-3-U-p	100	OUT1-3-U-n	

	OUT4-7-U-p	R371	OUT4-7-U-n	
	OUT3-7-U-p	100	OUT3-7-U-n	
	OUT2-7-U-p	R362	OUT2-7-U-n	
	OUT1-7-U-p	100	OUT1-7-U-n	
	OUT4-8-U-p	R390	OUT4-8-U-n	
	OUT3-8-U-p	100	OUT3-8-U-n	
	OUT2-8-U-p	R380	OUT2-8-U-n	
	OUT1-8-U-p	100	OUT1-8-U-n	
	OUT4-9-U-p	R402	OUT4-9-U-n	
	OUT3-9-U-p	100	OUT3-9-U-n	
	OUT2-9-U-p	R403	OUT2-9-U-n	
	OUT1-9-U-p	100	OUT1-9-U-n	
	OUT4-10-U-p	R389	OUT4-10-U-n	
	OUT3-10-U-p	100	OUT3-10-U-n	
	OUT2-10-U-p	R413	OUT2-10-U-n	
	OUT1-10-U-p	100	OUT1-10-U-n	

	OUT4-4-U-p	R301	OUT4-4-U-n	
	OUT3-4-U-p	100	OUT3-4-U-n	
	OUT2-4-U-p	R284	OUT2-4-U-n	
	OUT1-4-U-p	100	OUT1-4-U-n	
	OUT4-5-U-p	R282	OUT4-5-U-n	
	OUT3-5-U-p	100	OUT3-5-U-n	
	OUT2-5-U-p	R311	OUT2-5-U-n	
	OUT1-5-U-p	100	OUT1-5-U-n	
	OUT4-6-U-p	R343	OUT4-6-U-n	
	OUT3-6-U-p	100	OUT3-6-U-n	
	OUT2-6-U-p	R352	OUT2-6-U-n	
	OUT1-6-U-p	100	OUT1-6-U-n	
	OUT4-7-U-p	R369	OUT4-7-U-n	
	OUT3-7-U-p	100	OUT3-7-U-n	
	OUT2-7-U-p	R361	OUT2-7-U-n	
	OUT1-7-U-p	100	OUT1-7-U-n	

ORIGINAL ISSUE				REVISIONS			
REVISION LETTER	CLASS REVISION	DATE	CHANGED BY	CHECKED BY	APPROVED BY		
CLASSIFICATION OF PART: U		DRAWING: U					
TITLE		(P-25)					
MENTOR 2005		HEAVY QUARK DETECTOR DATA ACQUISITION SYSTEM					
DESIGNED	NAME	SIGNATURE	DATE	GROUP			
DRAWN	S. CHACON	S. CHACON	JUN 2008	ADT-IC			
CHECKED	M. PROKOP	M. PROKOP	JUN 2008	ADT-RFE			
PROJ. ENGR.	M. PROKOP	M. PROKOP	JUN 2008	ADT-RFE			
APPROVED							
RELEASED							
SCALE		NO. SHEETS		DRAWING NO.		SHEET NO.	
N/A		1		126Y-267912		D 43	

	OUT8.1.U.p	R347	OUT8.1.U.n	
	OUT7.1.U.p	100	R348	OUT7.1.U.n
	OUT6.1.U.p	R365	100	OUT6.1.U.n
	OUT5.1.U.p	100	R341	OUT5.1.U.n
	OUT8.2.U.p	R374	100	OUT8.2.U.n
	OUT7.2.U.p	100	R363	OUT7.2.U.n
	OUT6.2.U.p	R364	100	OUT6.2.U.n
	OUT5.2.U.p	100	R356	OUT5.2.U.n
	OUT8.3.U.p	R394	100	OUT8.3.U.n
	OUT7.3.U.p	100	R392	OUT7.3.U.n
	OUT6.3.U.p	R373	100	OUT6.3.U.n
	OUT5.3.U.p	100	R372	OUT5.3.U.n
	OUT8.4.U.p	R414	100	OUT8.4.U.n
	OUT7.4.U.p	100	R404	OUT7.4.U.n
	OUT6.4.U.p	R381	100	OUT6.4.U.n
	OUT5.4.U.p	100	R393	OUT5.4.U.n
		100		

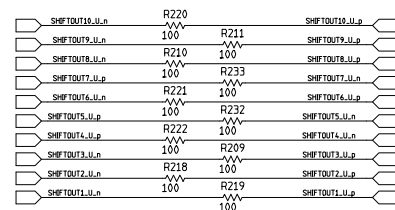
	OUT8.8.U.p	R289	OUT8.8.U.n	
	OUT7.8.U.p	100	R273	OUT7.8.U.n
	OUT6.8.U.p	R265	100	OUT6.8.U.n
	OUT5.8.U.p	100	R264	OUT5.8.U.n
	OUT8.9.U.p	R303	100	OUT8.9.U.n
	OUT7.9.U.p	100	R288	OUT7.9.U.n
	OUT6.9.U.p	R274	100	OUT6.9.U.n
	OUT5.9.U.p	100	R287	OUT5.9.U.n
	OUT8.10.U.p	R313	100	OUT8.10.U.n
	OUT7.10.U.p	100	R304	OUT7.10.U.n
	OUT6.10.U.p	R312	100	OUT6.10.U.n
	OUT5.10.U.p	100	R290	OUT5.10.U.n
	OUT8.6.U.p	R239	100	OUT8.6.U.n
	OUT7.6.U.p	100	R237	OUT7.6.U.n
	OUT6.6.U.p	R246	100	OUT6.6.U.n
	OUT5.6.U.p	100	R216	OUT5.6.U.n
		100		

	OUT8.5.U.p	R416	OUT8.5.U.n	
	OUT7.5.U.p	100	R405	OUT7.5.U.n
	OUT6.5.U.p	R415	100	OUT6.5.U.n
	OUT5.5.U.p	100	R395	OUT5.5.U.n
	OUT8.1.U.n	R350	100	OUT8.1.U.p
	OUT7.1.U.p	100	R349	OUT7.1.U.n
	OUT6.1.U.p	R357	100	OUT6.1.U.n
	OUT5.1.U.p	100	R342	OUT5.1.U.n
	OUT8.2.U.p	R376	100	OUT8.2.U.n
	OUT7.2.U.p	100	R359	OUT7.2.U.n
	OUT6.2.U.p	R366	100	OUT6.2.U.n
	OUT5.2.U.p	100	R358	OUT5.2.U.n
	OUT8.3.U.p	R397	100	OUT8.3.U.n
	OUT7.3.U.p	100	R383	OUT7.3.U.n
	OUT6.3.U.p	R384	100	OUT6.3.U.n
	OUT5.3.U.p	100	R375	OUT5.3.U.n
		100		

	OUT8.7.U.p	R257	OUT8.7.U.n	
	OUT7.7.U.p	100	R247	OUT7.7.U.n
	OUT6.7.U.p	R248	100	OUT6.7.U.n
	OUT5.7.U.p	100	R238	OUT5.7.U.n
	OUT8.8.U.p	R294	100	OUT8.8.U.n
	OUT7.8.U.p	100	R267	OUT7.8.U.n
	OUT6.8.U.p	R268	100	OUT6.8.U.n
	OUT5.8.U.p	100	R256	OUT5.8.U.n
	OUT8.9.U.p	R306	100	OUT8.9.U.n
	OUT7.9.U.p	100	R275	OUT7.9.U.n
	OUT6.9.U.p	R293	100	OUT6.9.U.n
	OUT5.9.U.p	100	R295	OUT5.9.U.n
	OUT8.10.U.p	R291	100	OUT8.10.U.n
	OUT7.10.U.p	100	R305	OUT7.10.U.n
	OUT6.10.U.p	R314	100	OUT6.10.U.n
	OUT5.10.U.p	100	R292	OUT5.10.U.n
		100		

	OUT8.4.U.p	R407	OUT8.4.U.n	
	OUT7.4.U.p	100	R382	OUT7.4.U.n
	OUT6.4.U.p	R408	100	OUT6.4.U.n
	OUT5.4.U.p	100	R398	OUT5.4.U.n
	OUT8.5.U.p	R396	100	OUT8.5.U.n
	OUT7.5.U.p	100	R417	OUT7.5.U.n
	OUT6.5.U.p	R418	100	OUT6.5.U.n
	OUT5.5.U.p	100	R406	OUT5.5.U.n
	OUT8.6.U.p	R236	100	OUT8.6.U.n
	OUT7.6.U.p	100	R226	OUT7.6.U.n
	OUT6.6.U.p	R245	100	OUT6.6.U.n
	OUT5.6.U.p	100	R225	OUT5.6.U.n
	OUT8.7.U.p	R266	100	OUT8.7.U.n
	OUT7.7.U.p	100	R254	OUT7.7.U.n
	OUT6.7.U.p	R255	100	OUT6.7.U.n
	OUT5.7.U.p	100	R244	OUT5.7.U.n
		100		

ORIGINAL ISSUE																																	
REVISION		CLASS		REVISIONS										DATE		CHANGE		CHECK		APPROVED													
LOS ALAMOS LOS ALAMOS NATIONAL LABORATORY LOS ALAMOS, NEW MEXICO 87545 MENTOR 2005												CLASSIFICATION OF		DRAWING		U		PART:		U		DRAWING		U		TITLE		(P-25)		HEAVY QUARK DETECTOR		DATA ACQUISITION SYSTEM	
DESIGNED NAME SIGNATURE DATE GROUP												TOLERANCE UNLESS OTHERWISE NOTED		X=		Z=		XXX=		Z=		ANGLAR		Z=		FREQ		Z=					
DRAWN S. CHACON S. CHACON JUN 2008 ADT-IC												X=		Z=		XXX=		Z=		ANGLAR		Z=		FREQ		Z=							
CHECKED M. PROKOP M. PROKOP JUN 2008 ADT-RFE												X=		Z=		XXX=		Z=		ANGLAR		Z=		FREQ		Z=							
PROJ. ENGR M. PROKOP M. PROKOP JUN 2008 ADT-RFE												X=		Z=		XXX=		Z=		ANGLAR		Z=		FREQ		Z=							
APPROVED												X=		Z=		XXX=		Z=		ANGLAR		Z=		FREQ		Z=							
RELEASED												X=		Z=		XXX=		Z=		ANGLAR		Z=		FREQ		Z=							
SCALE N/A												NO		SHEETS		DRAWING NO.		126Y-267912		SHEET		D		44		NO.							



		ORIGINAL ISSUE							
REVISION	CLASS	REVISIONS		DATE	CHANGE	BY	CHECK	BY	APPROVED
LETTER	REVIEW								

LOS ALAMOS

LOS ALAMOS NATIONAL LABORATORY
LOS ALAMOS, NEW MEXICO 87545

MENTOR 2005

NAME	SIGNATURE	DATE	GROUP
ORIGINATED			
DESIGNED			
DRAWN	S. CHACON	S. CHACON	JUN 08 AOT-IC
CHECKED	M. PROKOP	M. PROKOP	JUN 08 AOT-RFE
PROJ. ENGR.	M. PROKOP	M. PROKOP	JUN 08 AOT-RFE
APPROVED			
RELEASED			

CLASSIFICATION OF	DRAWING
PMW: U	DRAWING: U
(P-25) HEAVY QUARK DETECTOR DATA ACQUISITION SYSTEM	
TOLERANCE UNLESS OTHERWISE NOTED: X_u ± ——— XXXX ± ——— ANGULAR ± ——— XXX ± ——— XXXXX ± ——— FRESH ± ———	
SCALE NO SHEETS 1	DRAWING NO. 126Y-267912
SIZE D 45	SHEET NO. 45

