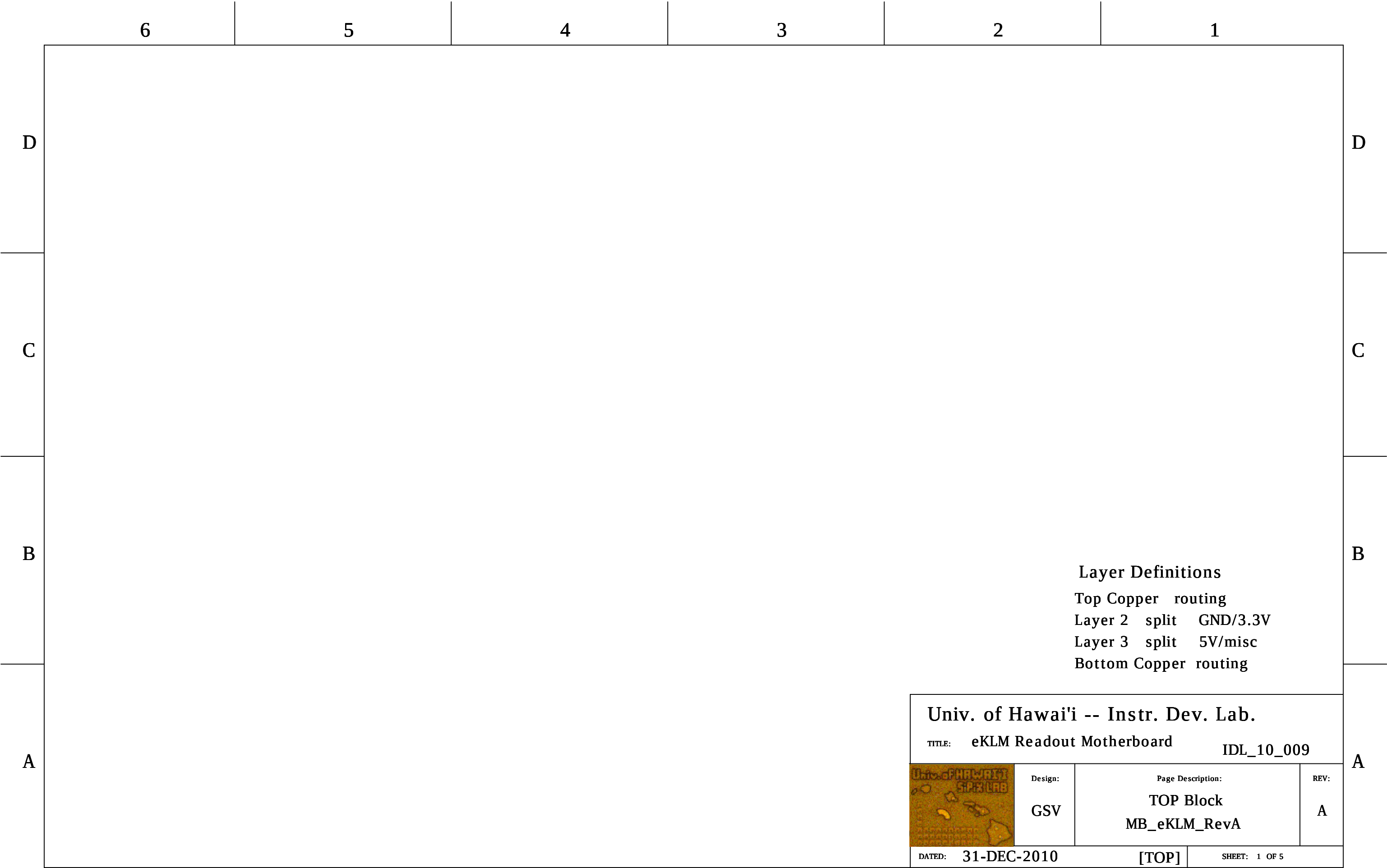
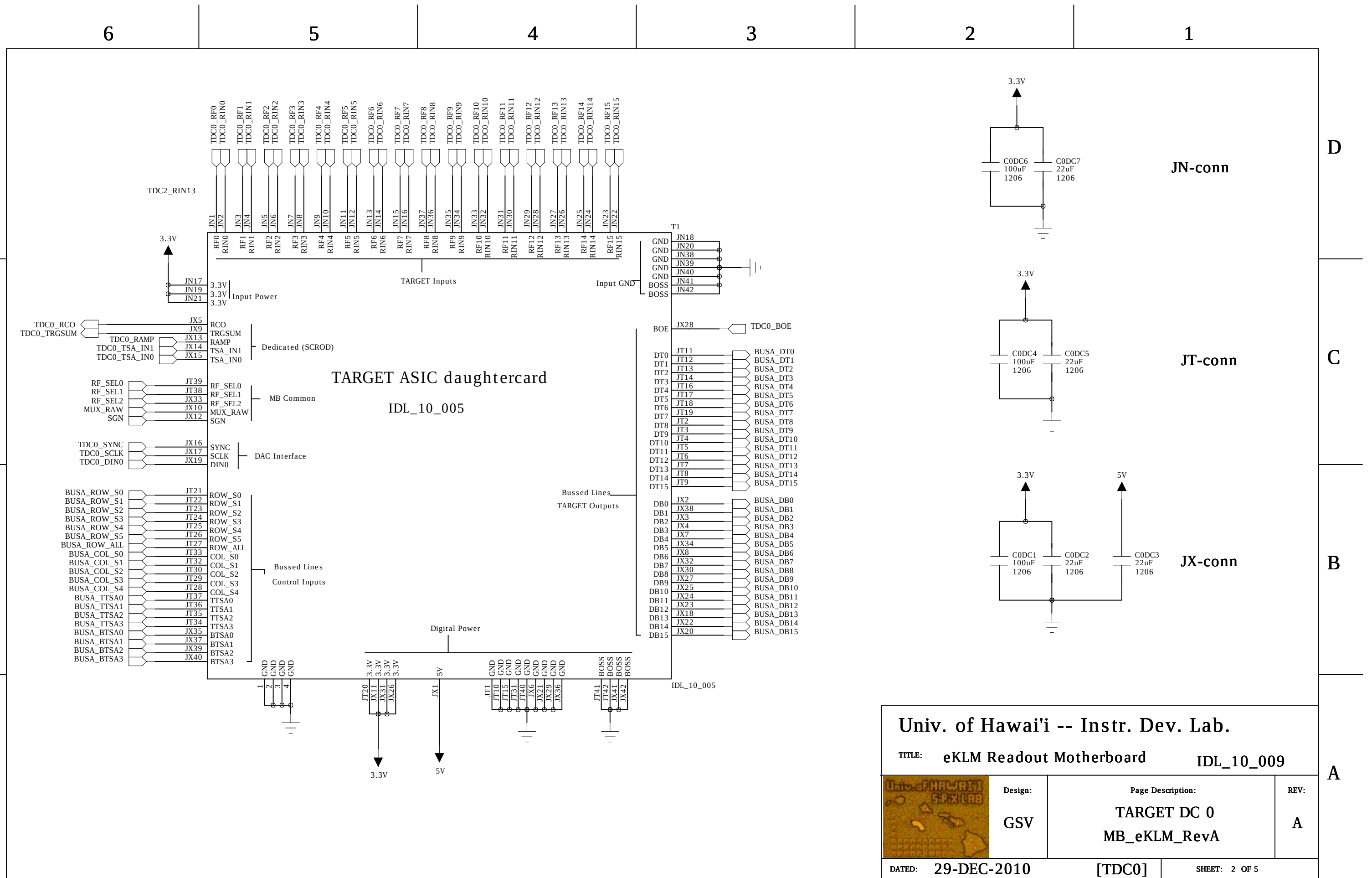




Layer Definitions

Top Copper routing
Layer 2 split GND/3.3V
Layer 3 split 5V/misc
Bottom Copper routing



D

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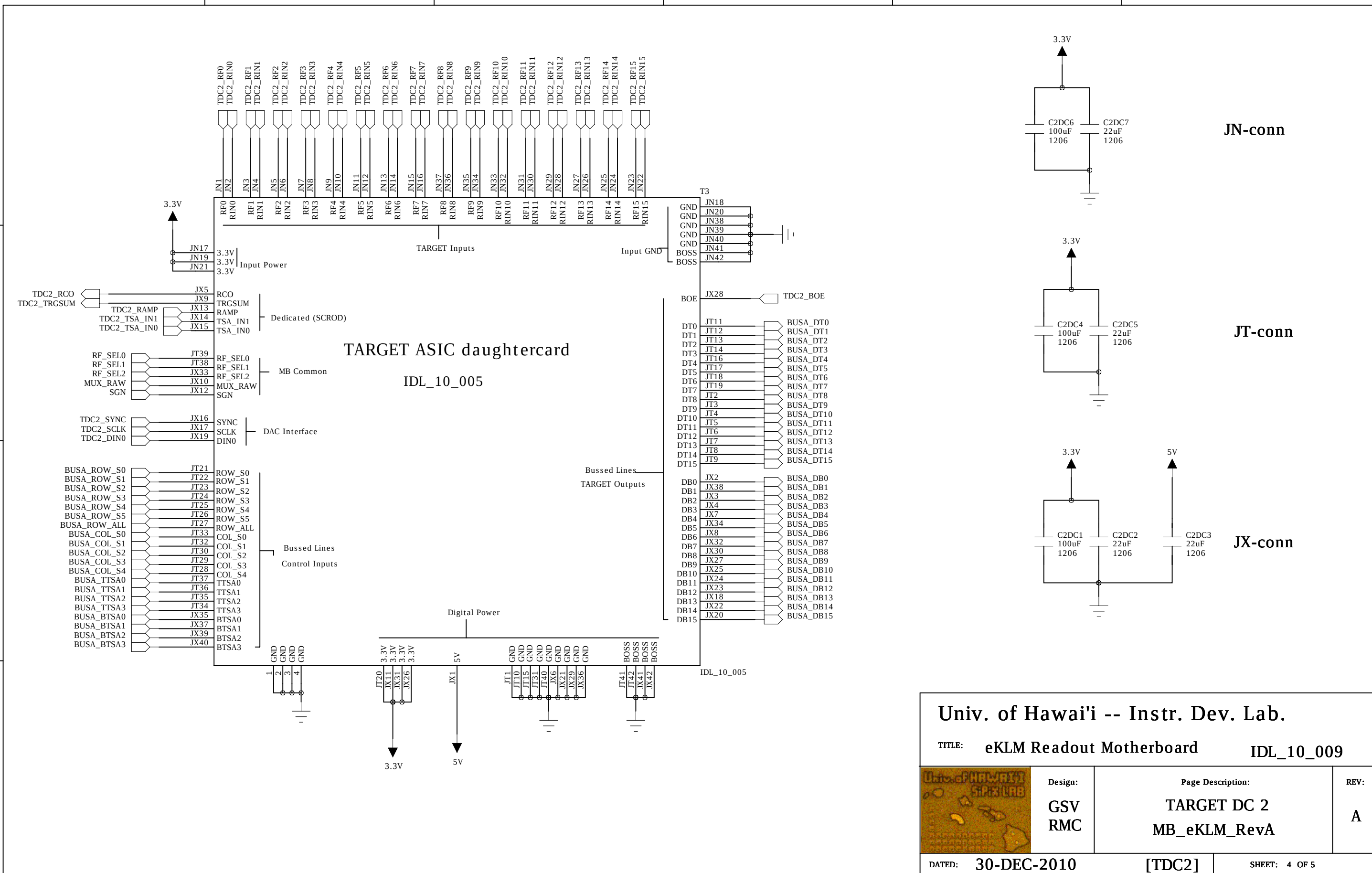
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D

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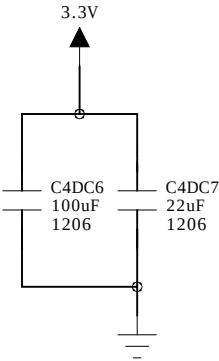
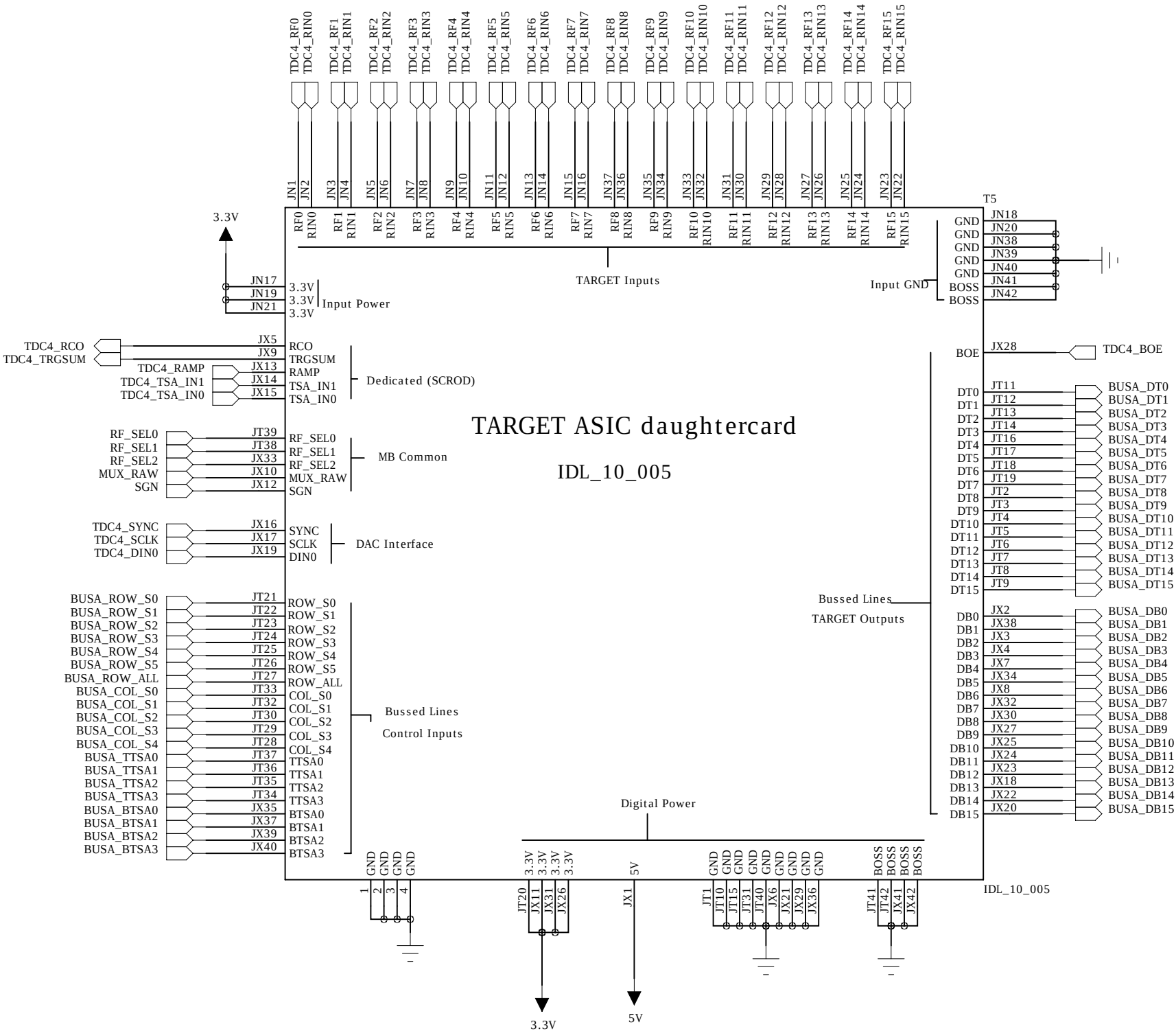
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D

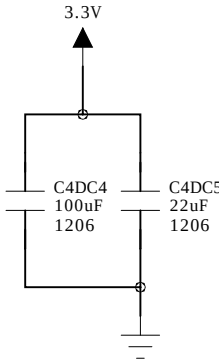
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B

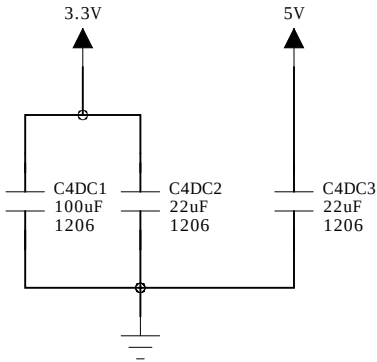
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JN-conn



JT-conn



JX-conn

Univ. of Hawai'i -- Instr. Dev. Lab.

TITLE: eKLM Readout Motherboard

IDL_10_009



Design:

GSV
RMC

Page Description:

TARGET DC 4
MB_eKLM_RevA

REV:

A

DATED: 30-DEC-2010

[TDC4]

SHEET: 6 OF 5

D

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D

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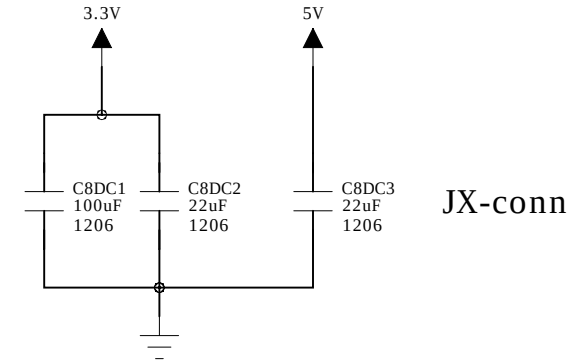
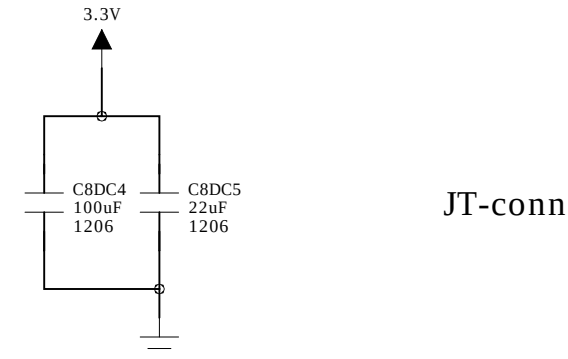
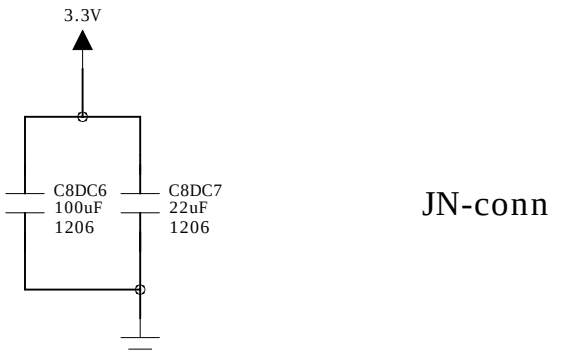
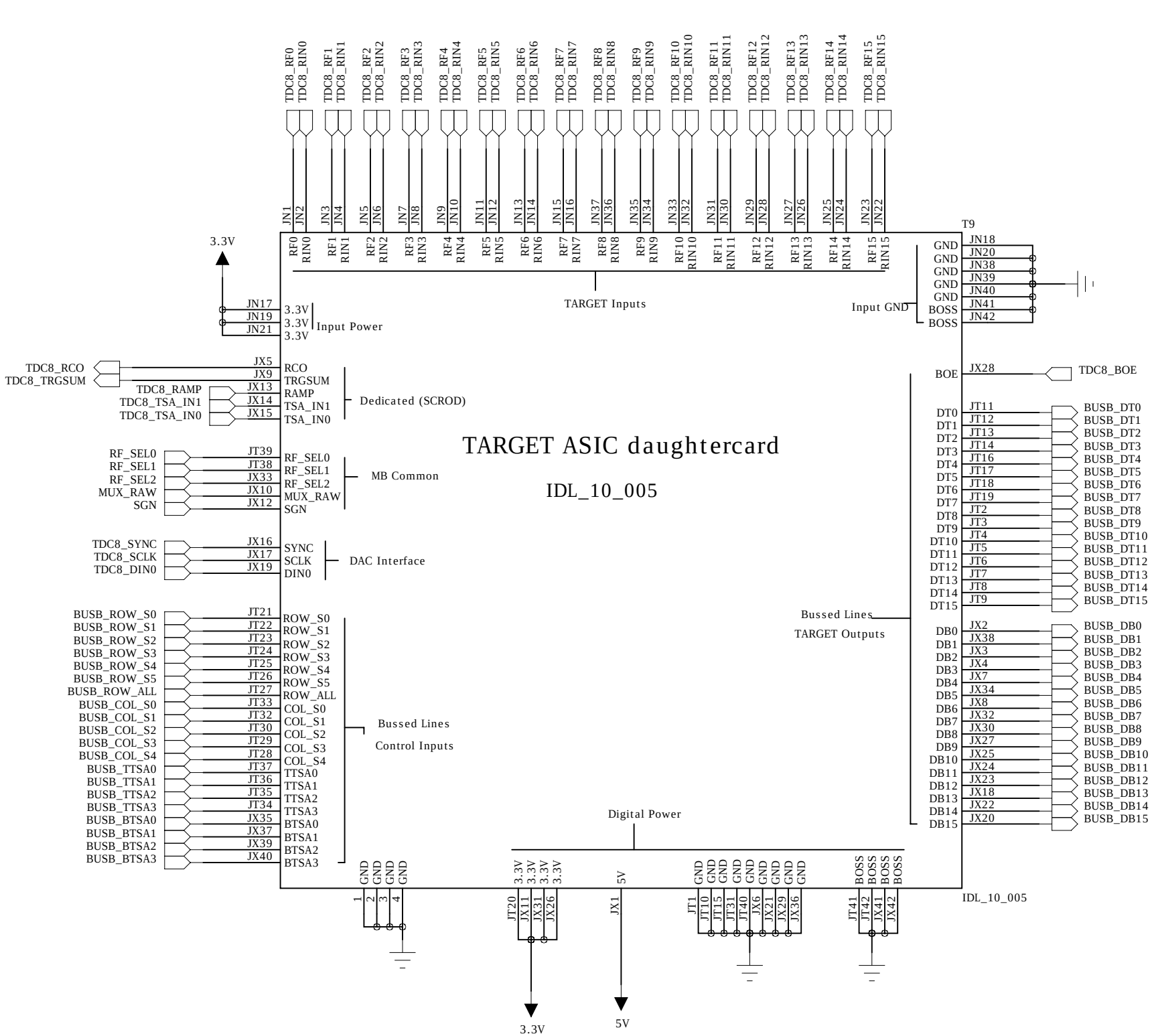
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1



Univ. of Hawai'i -- Instr. Dev. Lab.

TITLE: eKLM Readout Motherboard IDL_10_009



Design:
GSV
RMC

Page Description:
TARGET DC 8
MB_eKLM_RevA

REV:
A

DATED: 30-DEC-2010 [TDC8] SHEET: 10 OF 5

D

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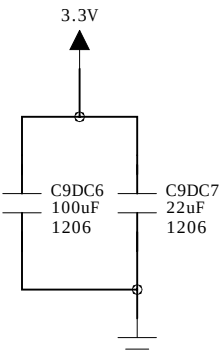
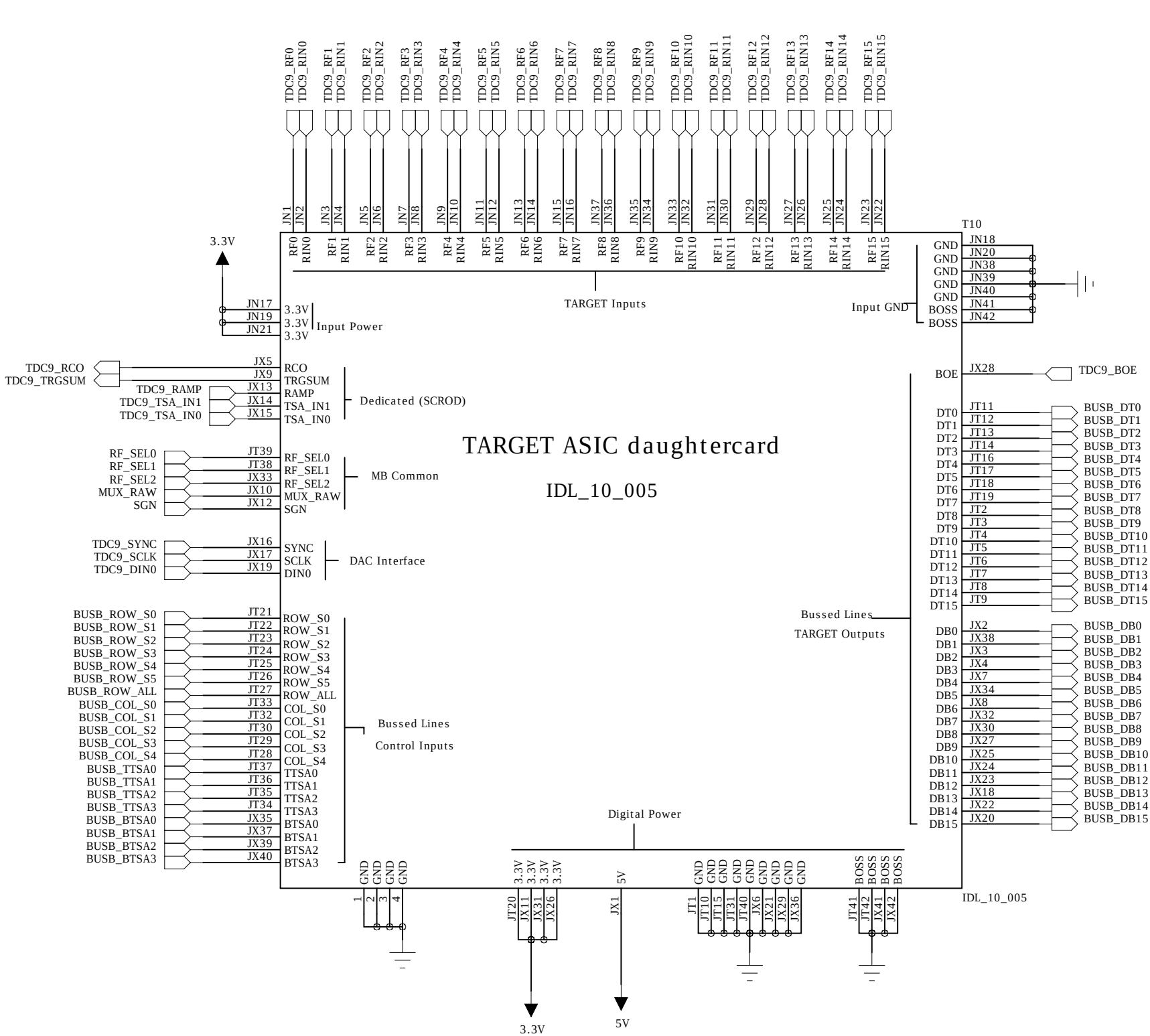
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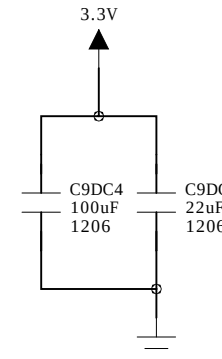
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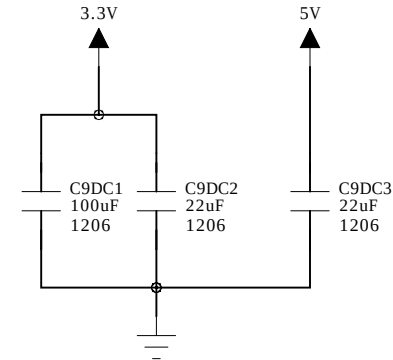
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JN-conn



JT-conn



JX-conn

Univ. of Hawai'i -- Instr. Dev. Lab.

TITLE: eKLM Readout Motherboard

IDL_10_009



Design:

GSV
RMC

Page Description:

TARGET DC 9
MB_eKLM_RevA

REV:

A

DATED: 30-DEC-2010

[TDC9]

SHEET: 11 OF 5

D

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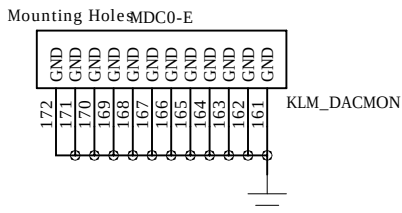
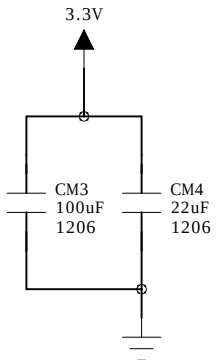
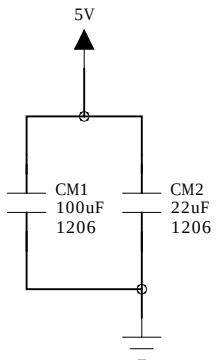
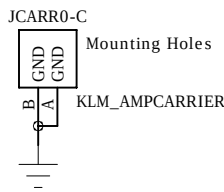
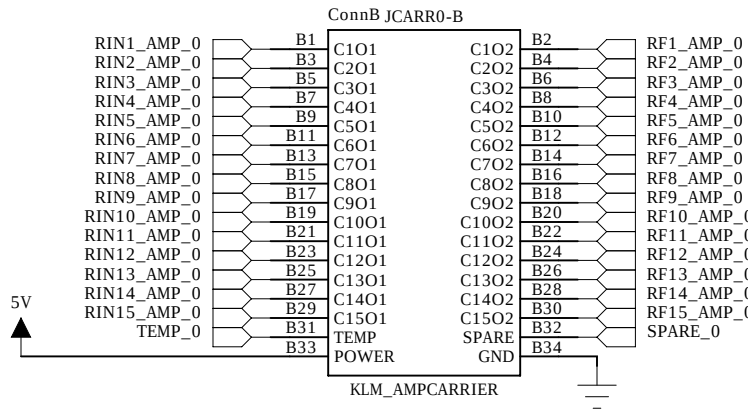
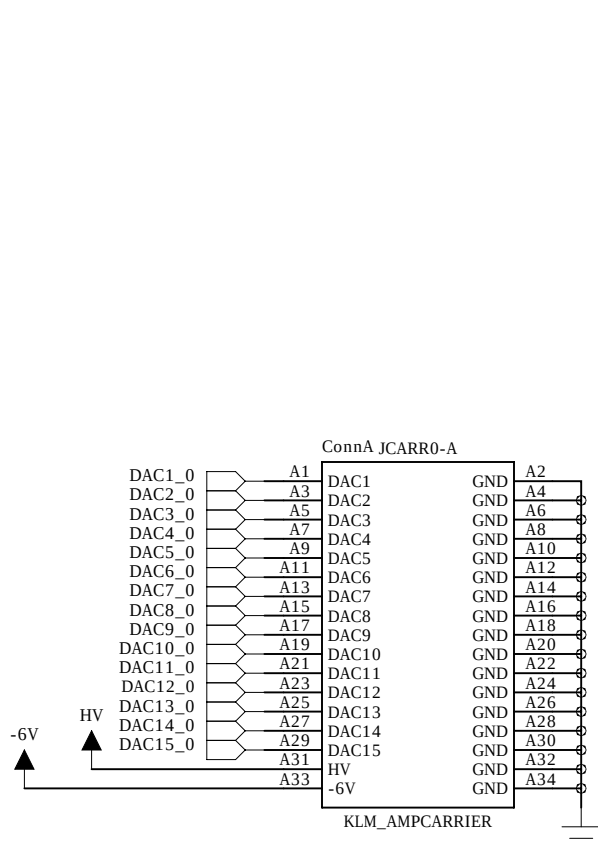
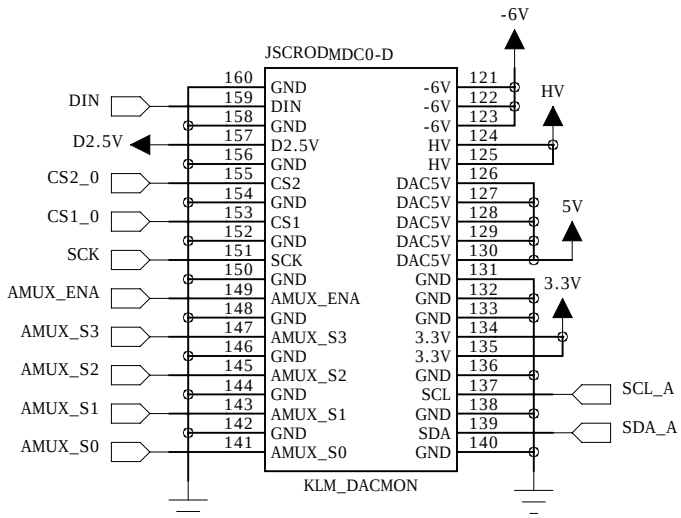
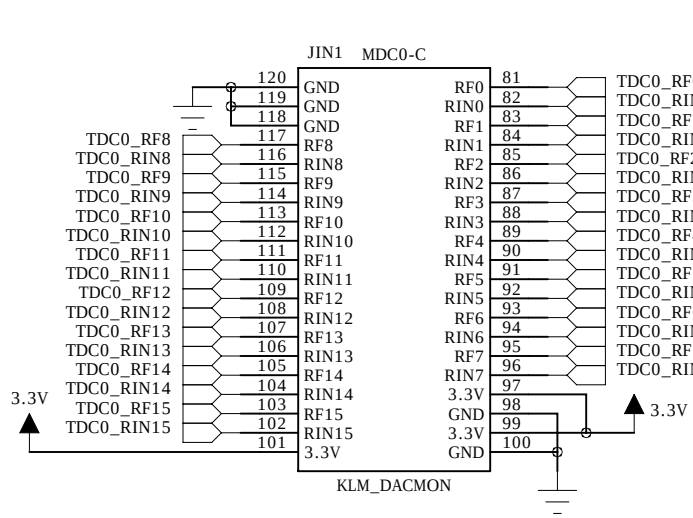
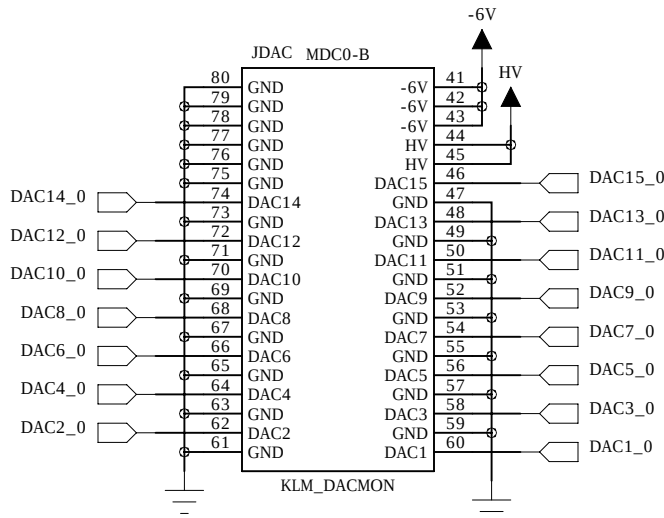
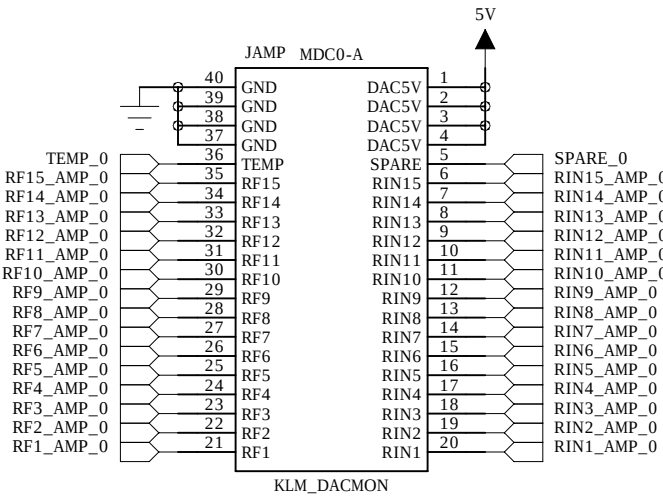
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1



Univ. of Hawai'i -- Instr. Dev. Lab.

TITLE: eKLM Readout Motherboard IDL_10_009



Design:
GSV

Page Description:
DACmon 0
MB_eKLM_RevA

REV:
A

DATED: 29-DEC-2010 [MDC_0] SHEET: 2 OF 5

D

C

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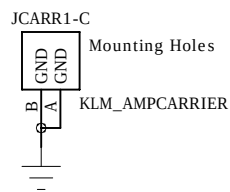
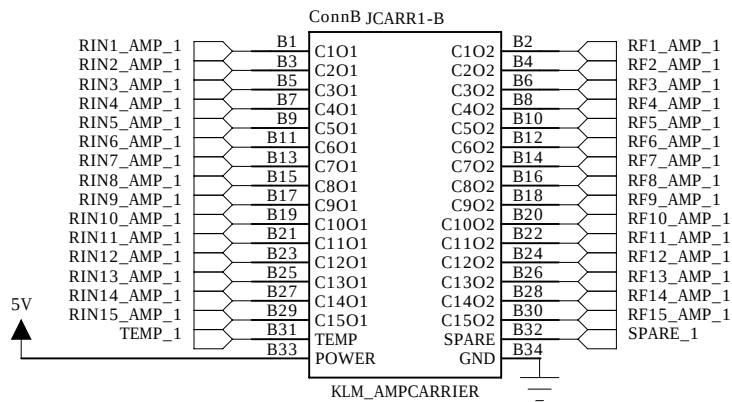
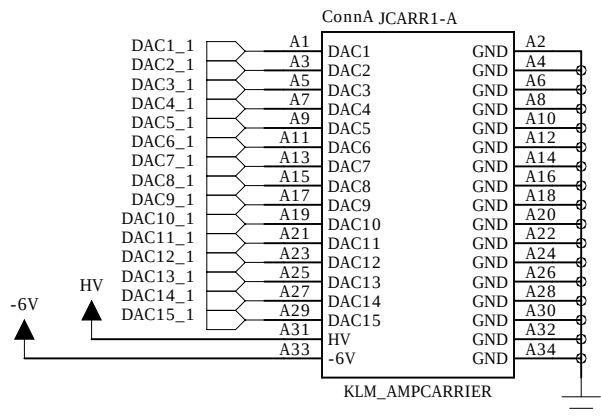
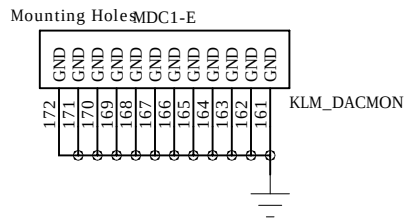
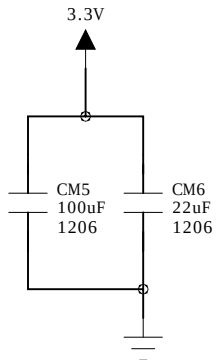
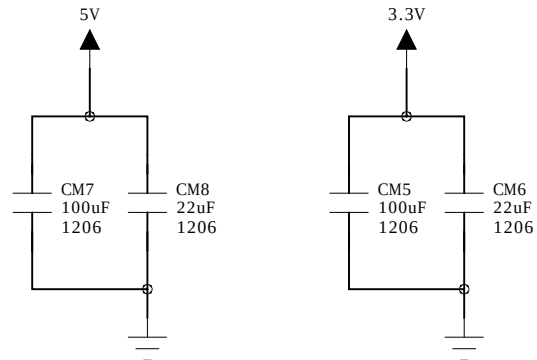
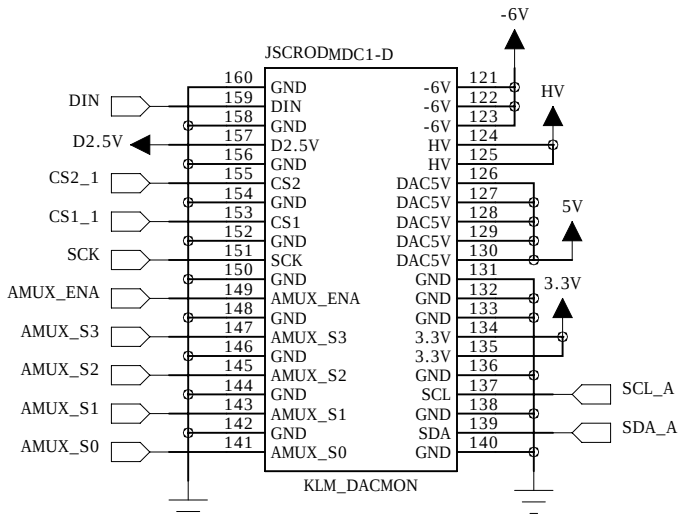
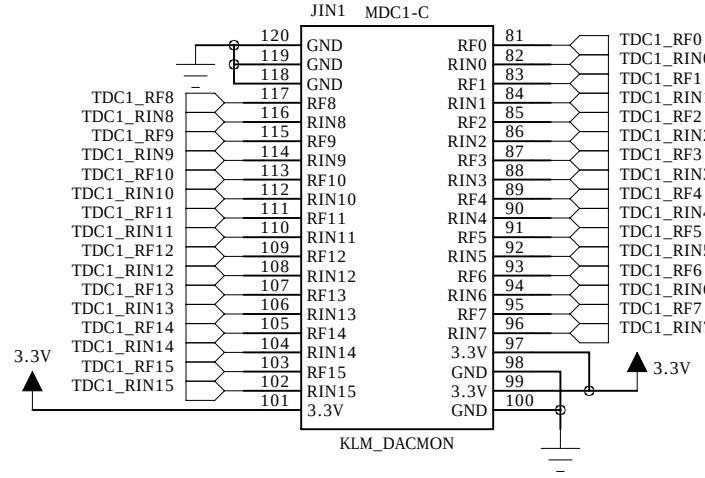
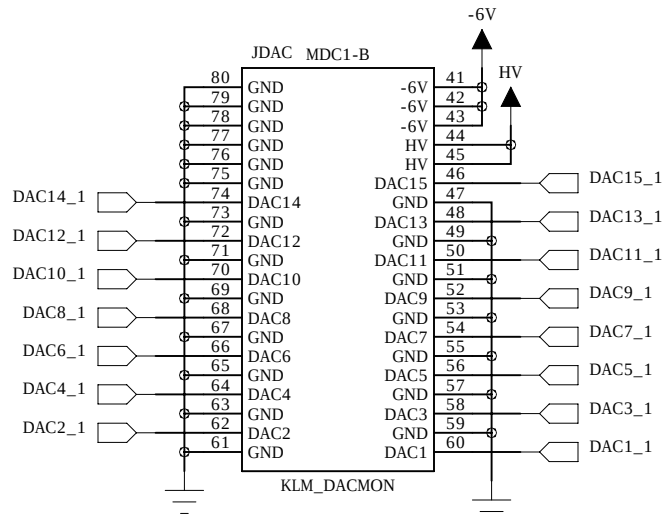
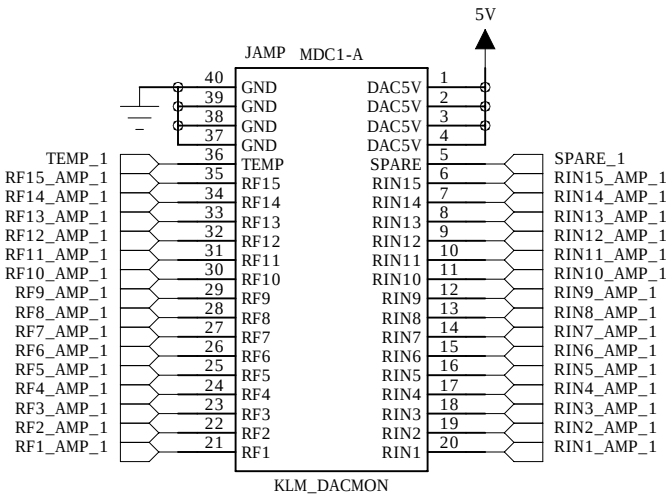
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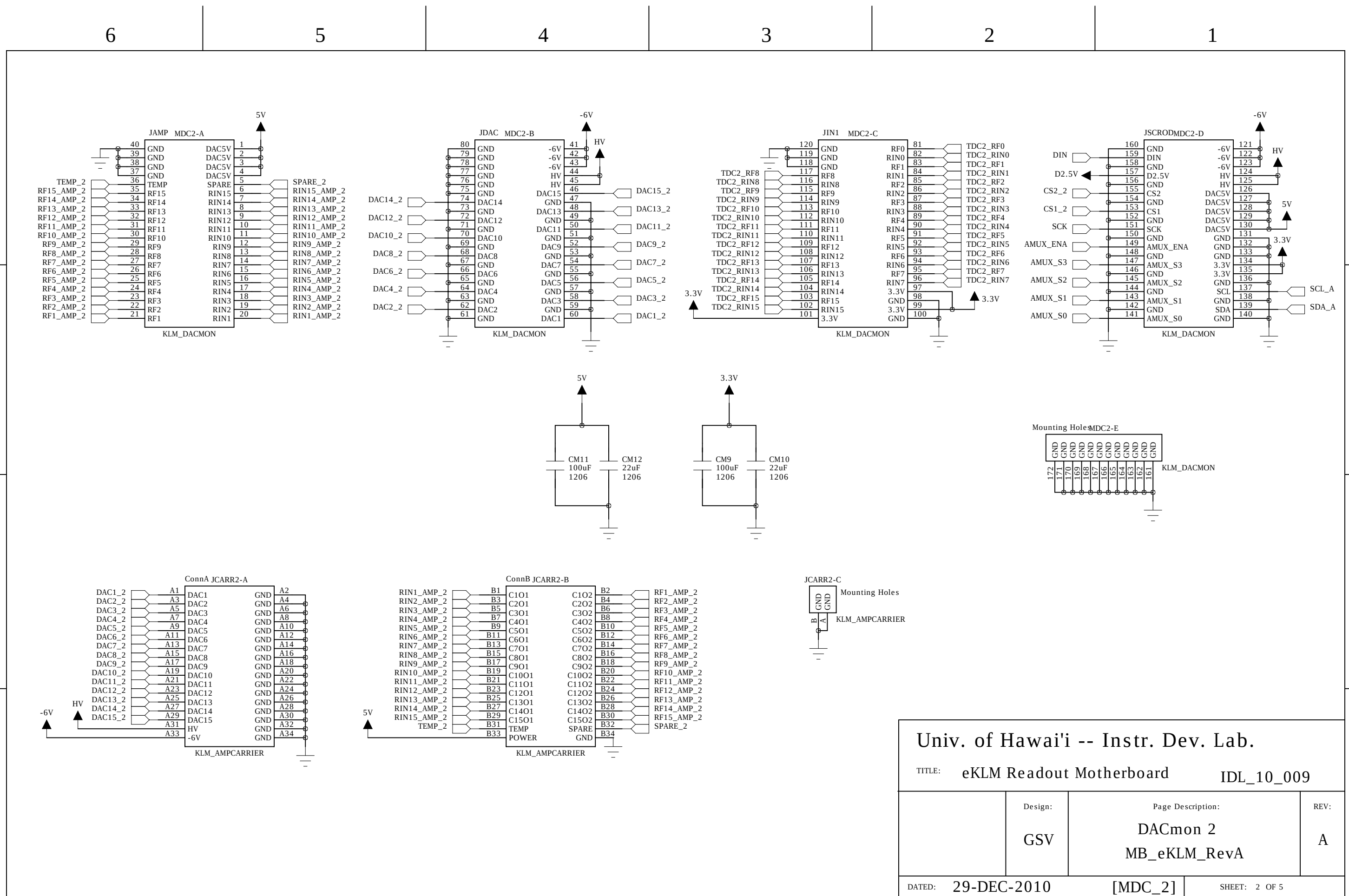
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2

1



Univ. of Hawai'i -- Instr. Dev. Lab.			
TITLE: eKLM Readout Motherboard		IDL_10_009	
DESIGN: GSV	Page Description: DACmon 1 MB_eKLM_RevA	REV: A	
		DATED: 29-DEC-2010 [MDC_1] SHEET: 2 OF 5	



D

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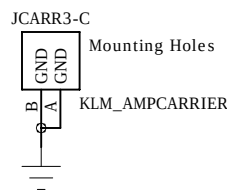
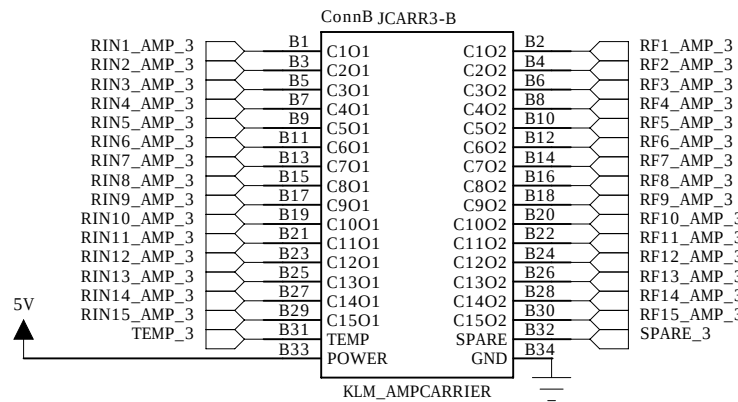
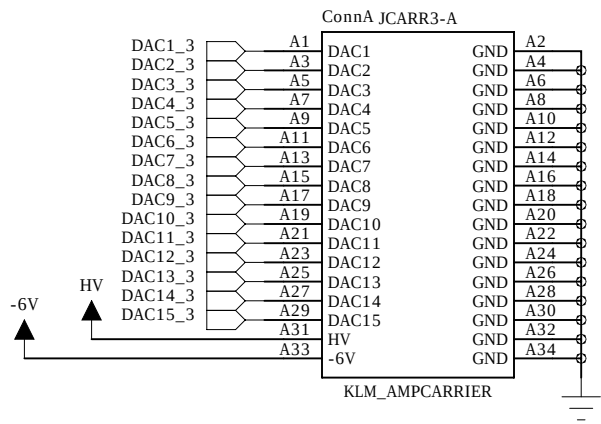
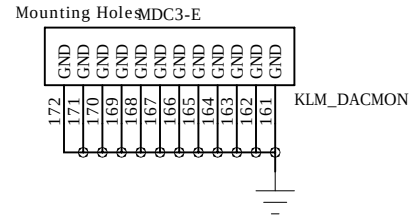
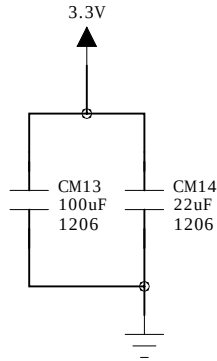
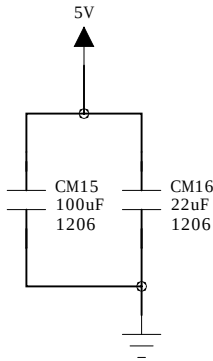
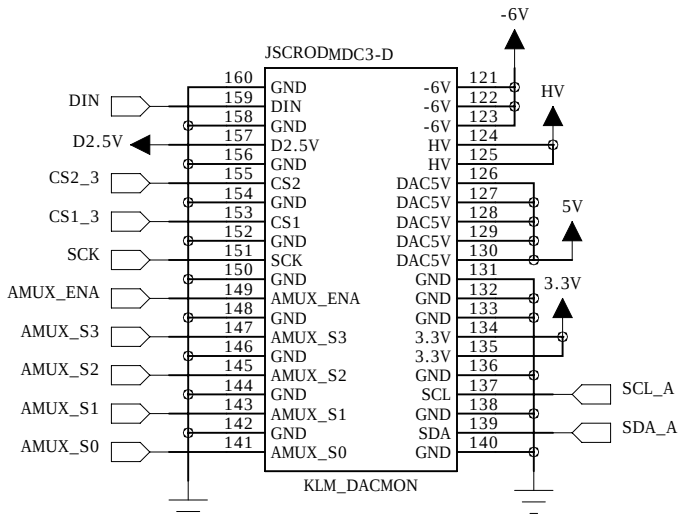
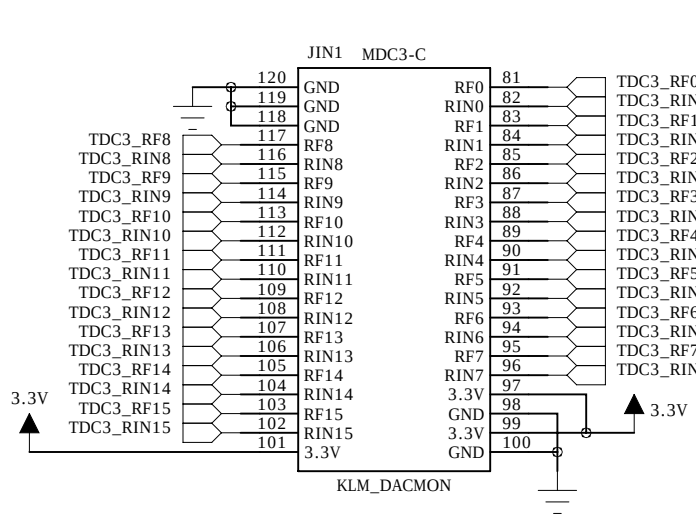
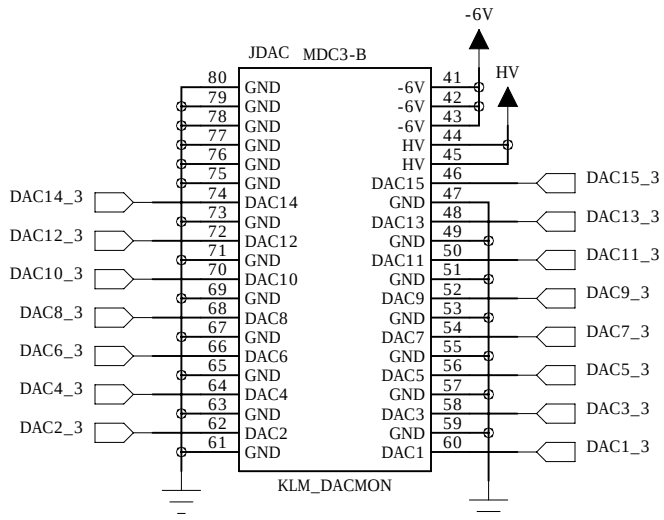
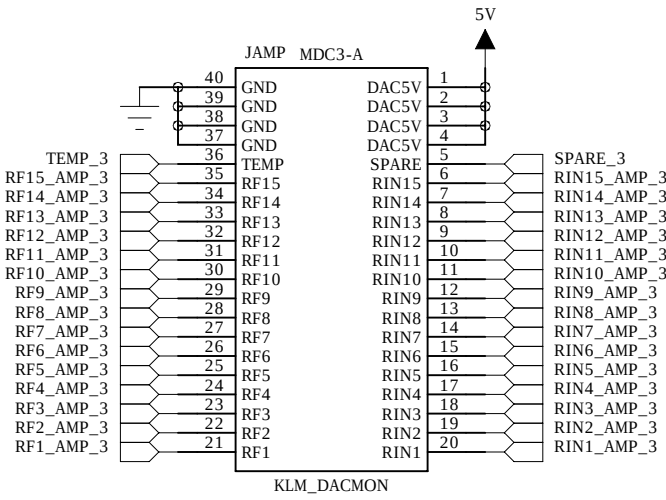
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1



Univ. of Hawai'i -- Instr. Dev. Lab.

TITLE: eKLM Readout Motherboard

IDL_10_009

Design:

GSV

Page Description:

DACmon 3
MB_eKLM_RevA

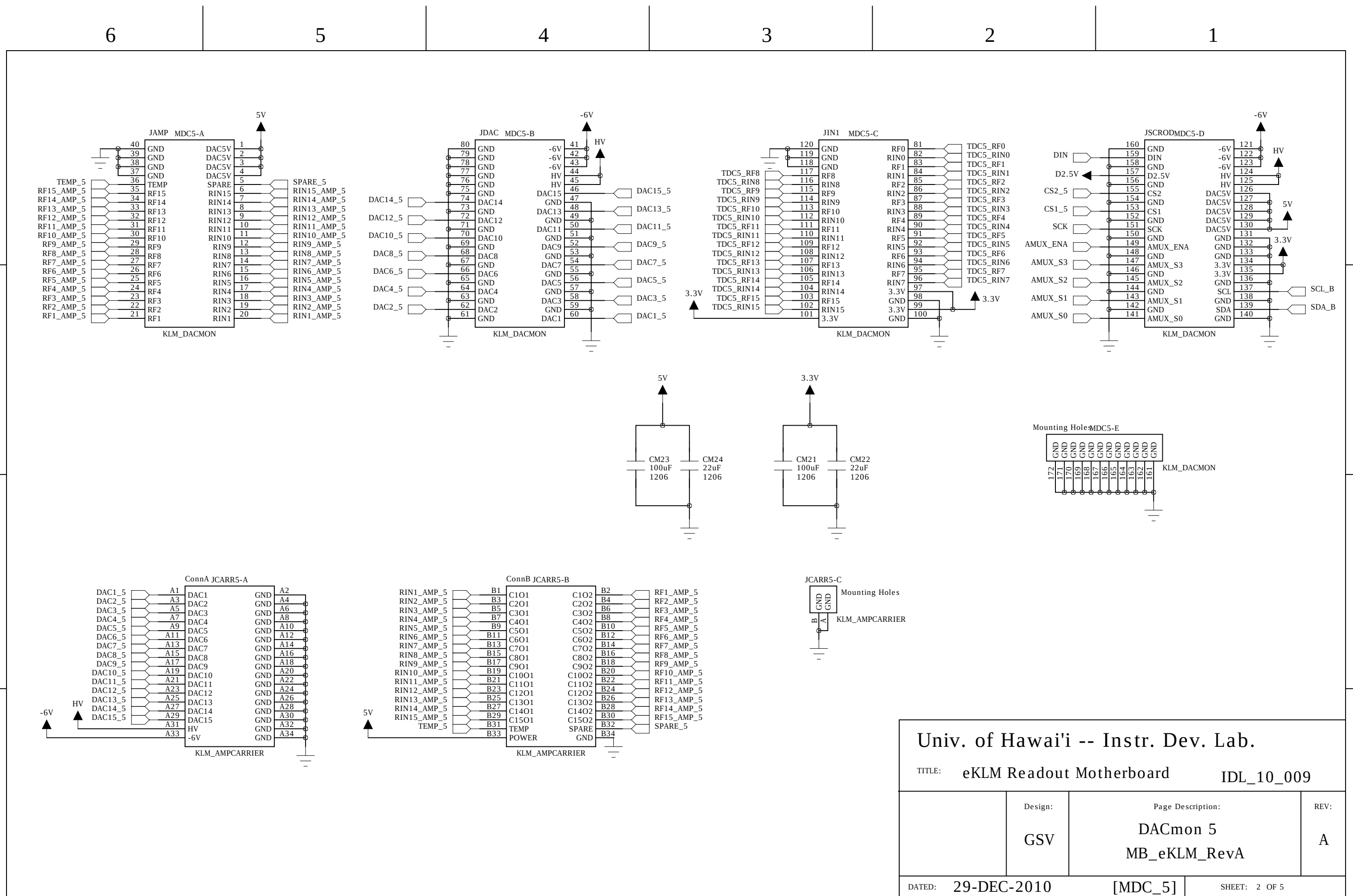
REV:

A

DATED: 29-DEC-2010

[MDC_3]

SHEET: 2 OF 5



D

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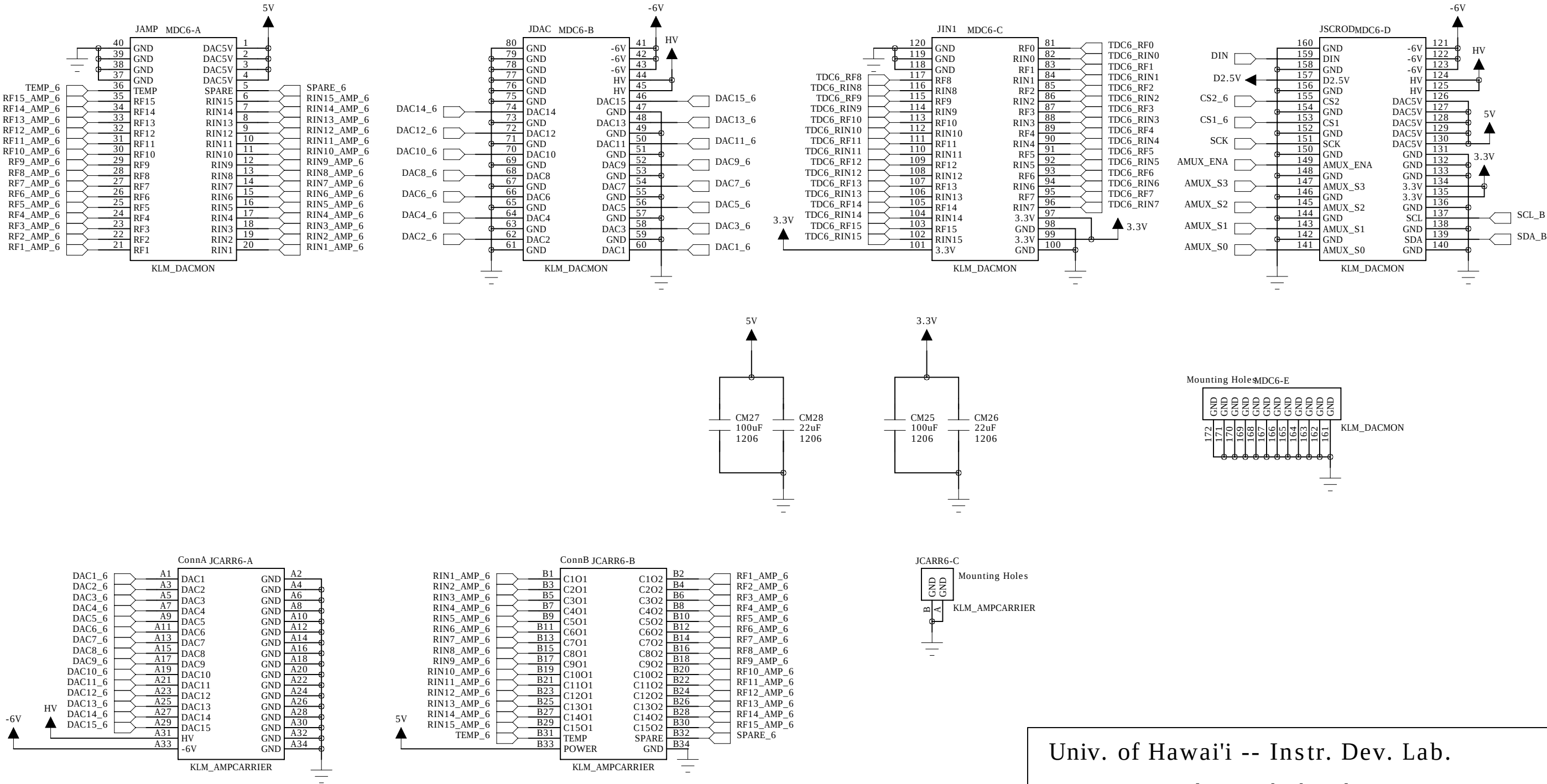
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D

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Univ. of Hawai'i -- Instr. Dev. Lab.			
TITLE: eKLM Readout Motherboard		IDL_10_009	
	Design:	Page Description:	REV:
	GSV	DACmon 6 MB_eKLM_RevA	A
DATED: 29-DEC-2010		[MDC_6]	SHEET: 2 OF 5

D

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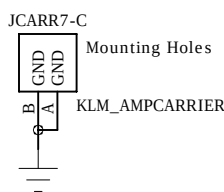
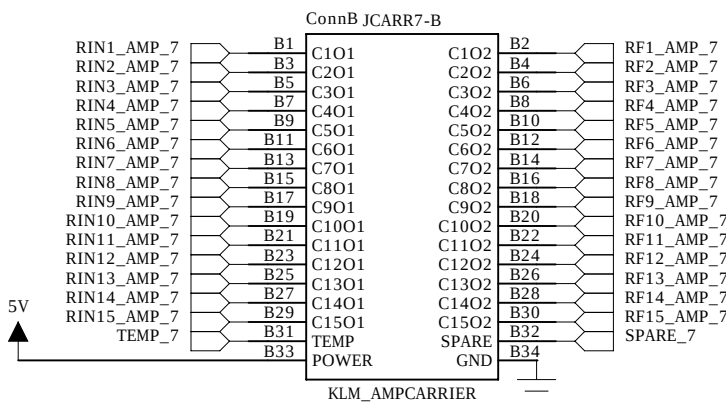
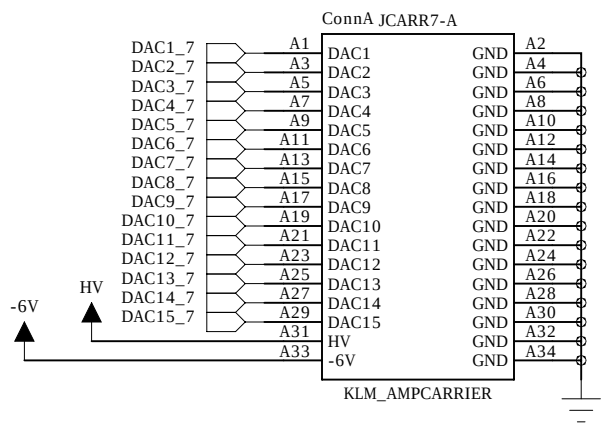
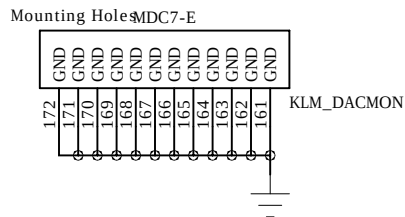
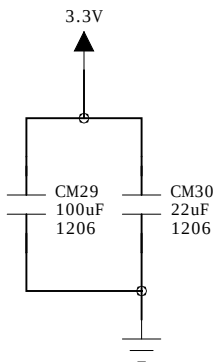
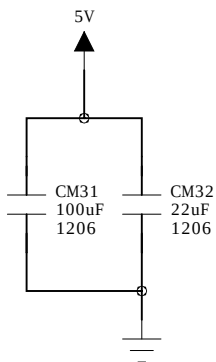
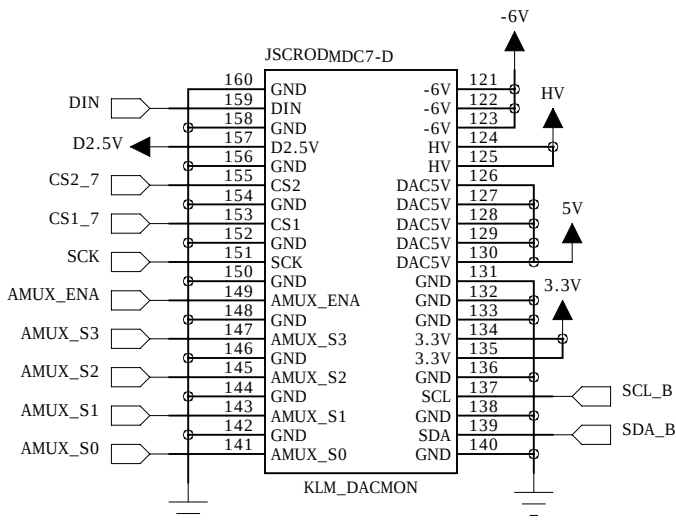
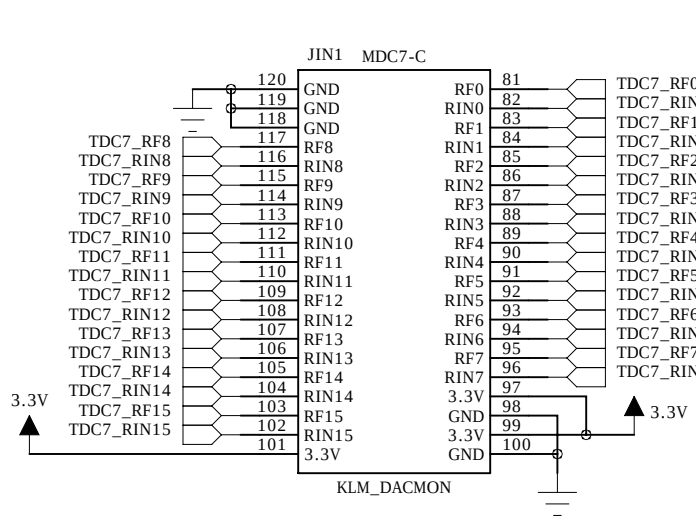
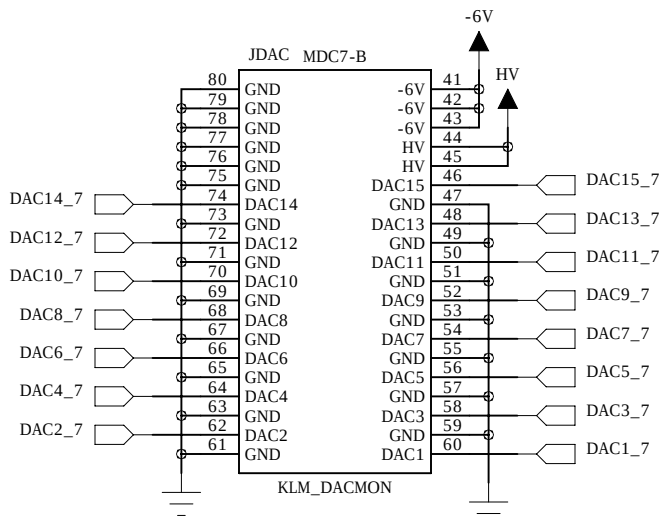
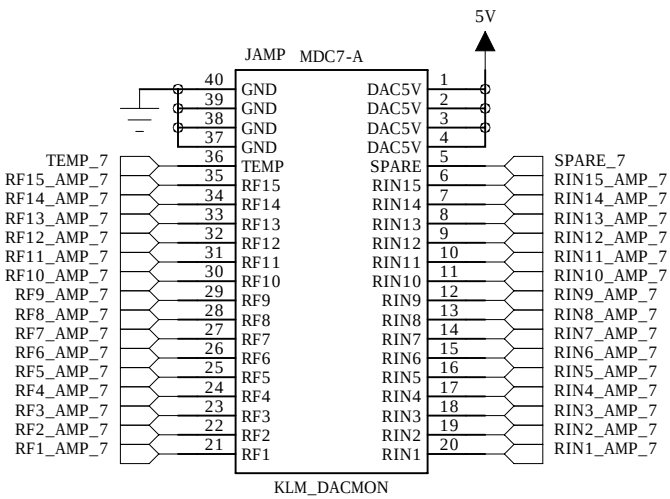
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1



Univ. of Hawai'i -- Instr. Dev. Lab.

TITLE: eKLM Readout Motherboard

IDL_10_009

Design:

GSV

Page Description:

DACmon 7
MB_eKLM_RevA

REV:

A

DATED: 29-DEC-2010

[MDC_7]

SHEET: 2 OF 5

D

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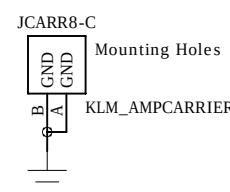
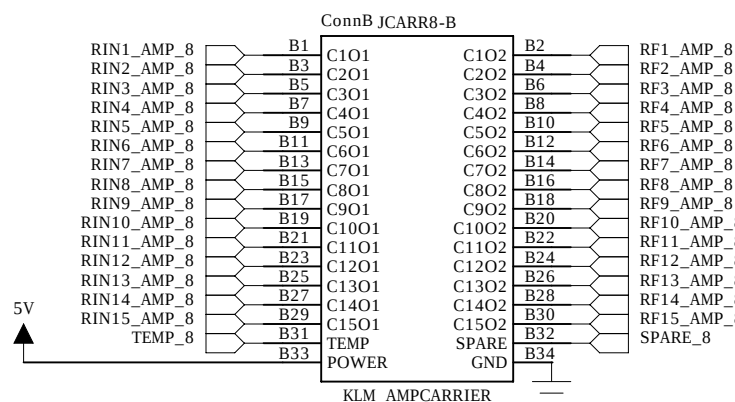
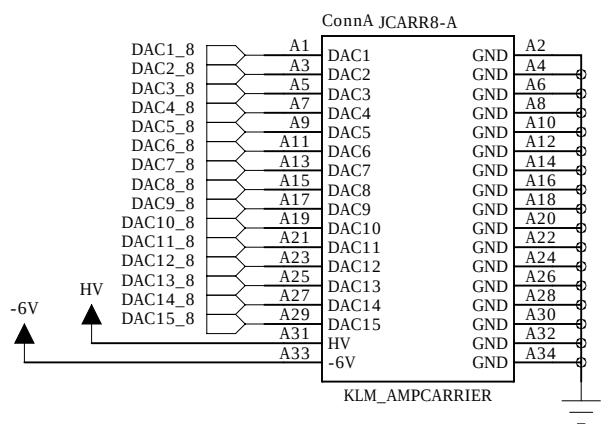
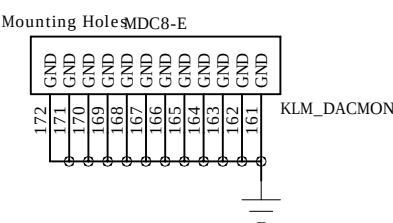
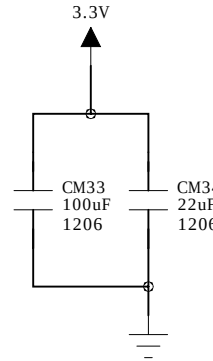
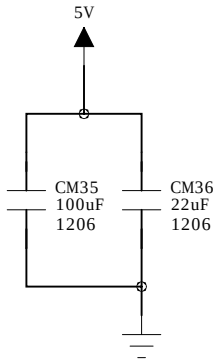
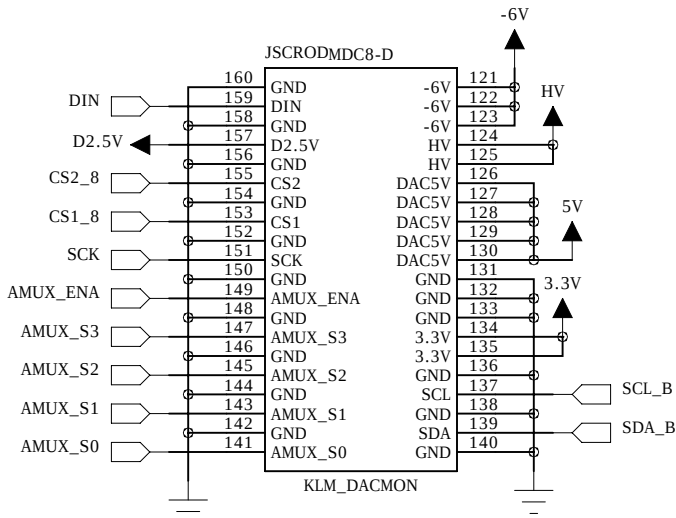
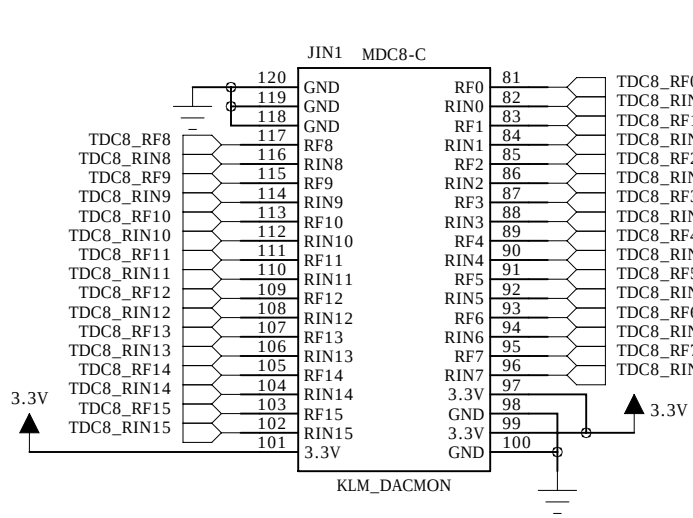
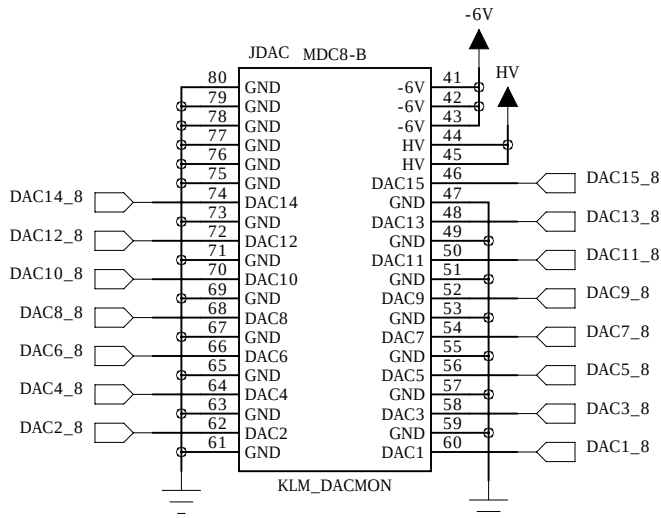
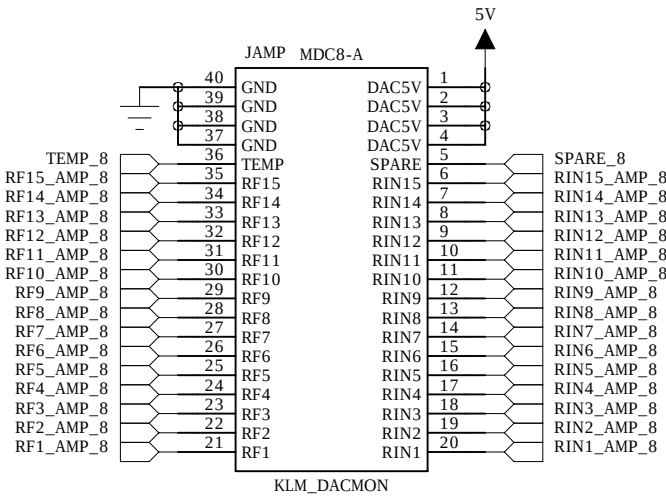
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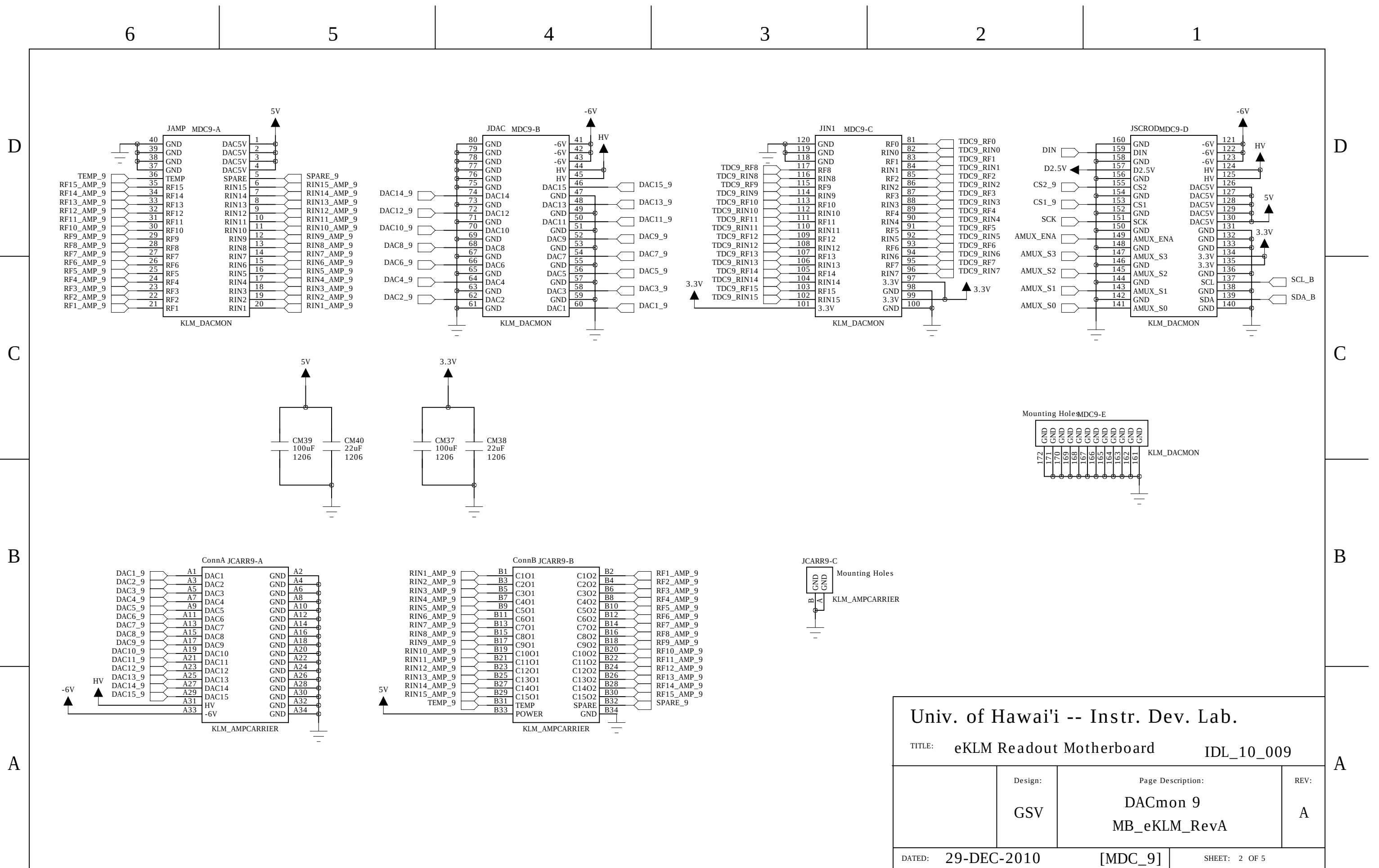
Univ. of Hawai'i -- Instr. Dev. Lab.			
TITLE: eKLM Readout Motherboard		IDL_10_009	
	Design:	Page Description:	REV:
	GSV	DACmon 8 MB_eKLM_RevA	A
DATED: 29-DEC-2010		[MDC_8]	SHEET: 2 OF 5

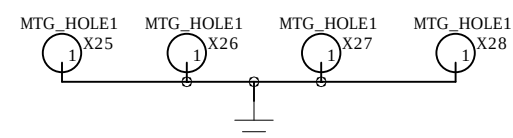
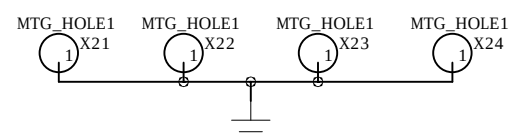
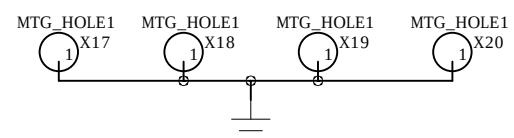
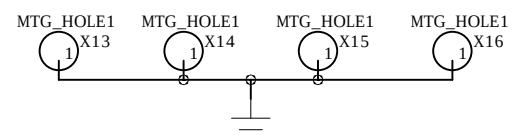
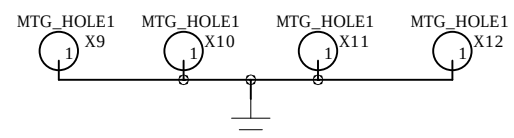
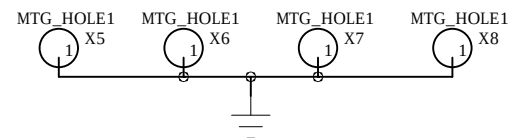
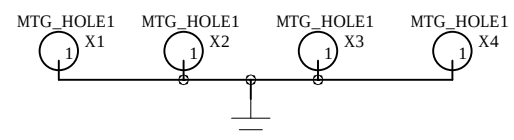
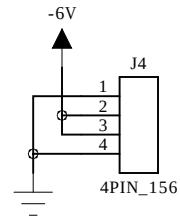
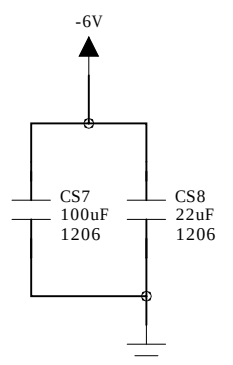
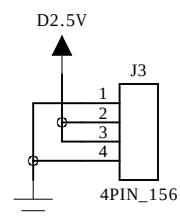
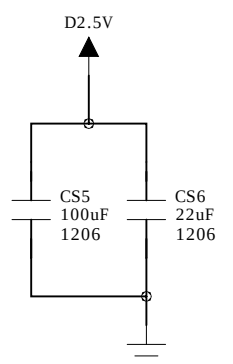
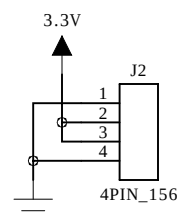
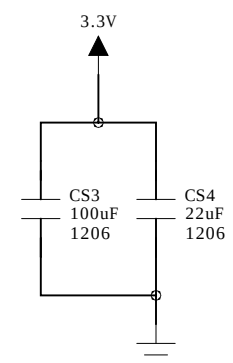
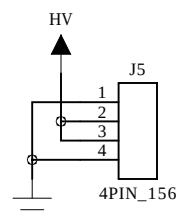
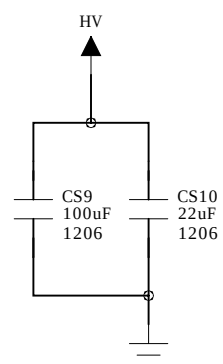
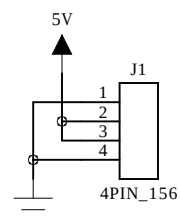
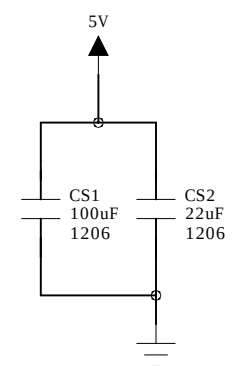
D

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	REVISION RECORD		
LTR	ECO NO:	APPROVED:	DATE:

DRAWN: <Drawn By>	DATED: <Drawn Date>
CHECKED: <Checked By>	DATED: <Checked Date>
QUALITY CONTROL: <QC By>	DATED: <QC Date>
RELEASED: <Released By>	DATED: <Release Date>

COMPANY:		<Company Name>	
TITLE:		<Title>	
CODE:	SIZE:	DRAWING NO:	REV:
<Code>	B	<Drawing Number>	<Revision>
SCALE: <Scale>		SHEET: 23 OF 23	