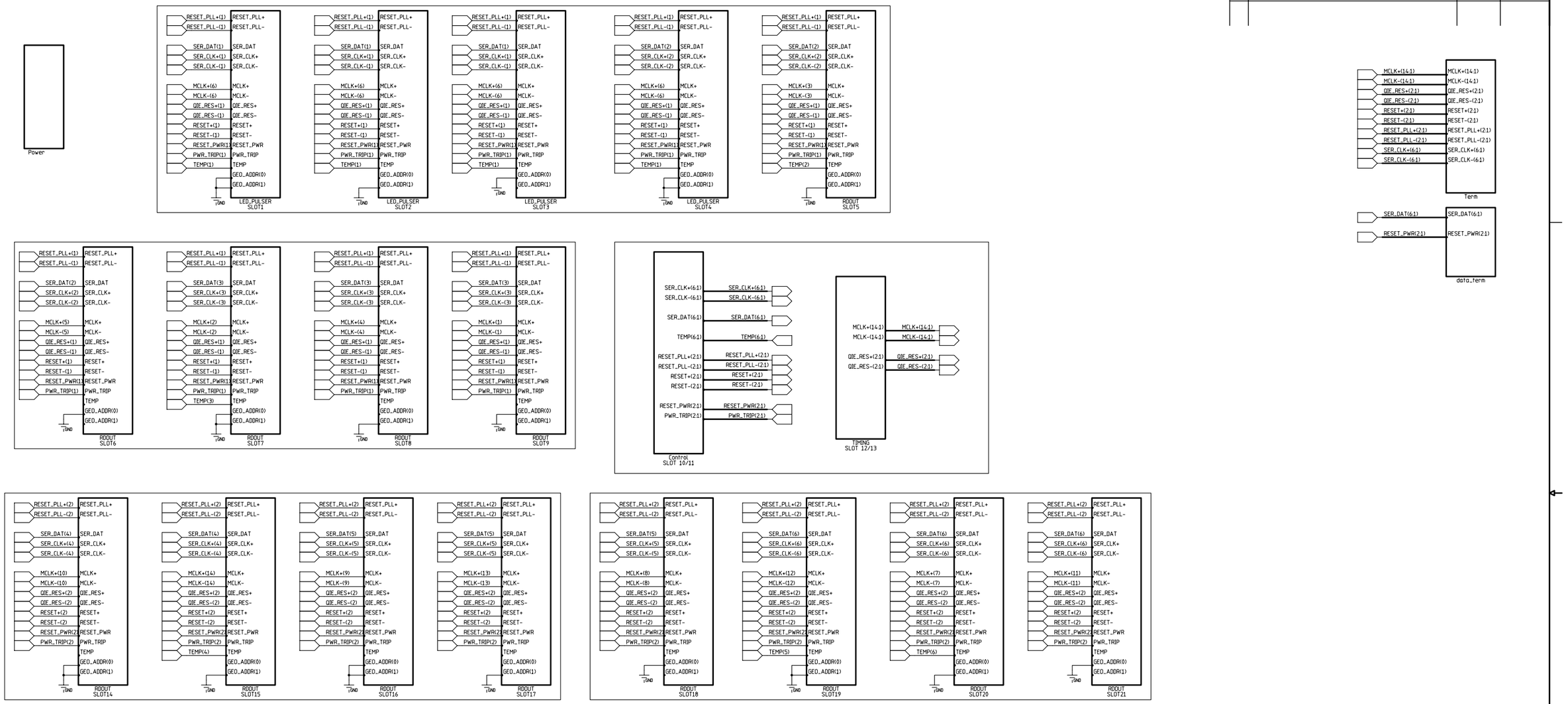
DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED



CONTRACT NO.		Fermi National Accelerator Laboratory		
APPROVALS	DATE	US CMS HCAL HF_3U_Backplane Top Level Schematic		
DRAWN T. M. Shaw	1/29/01			
CHECKED				
ISSUED		SIZE D	FSCM NO.	DWG. NO.	REV
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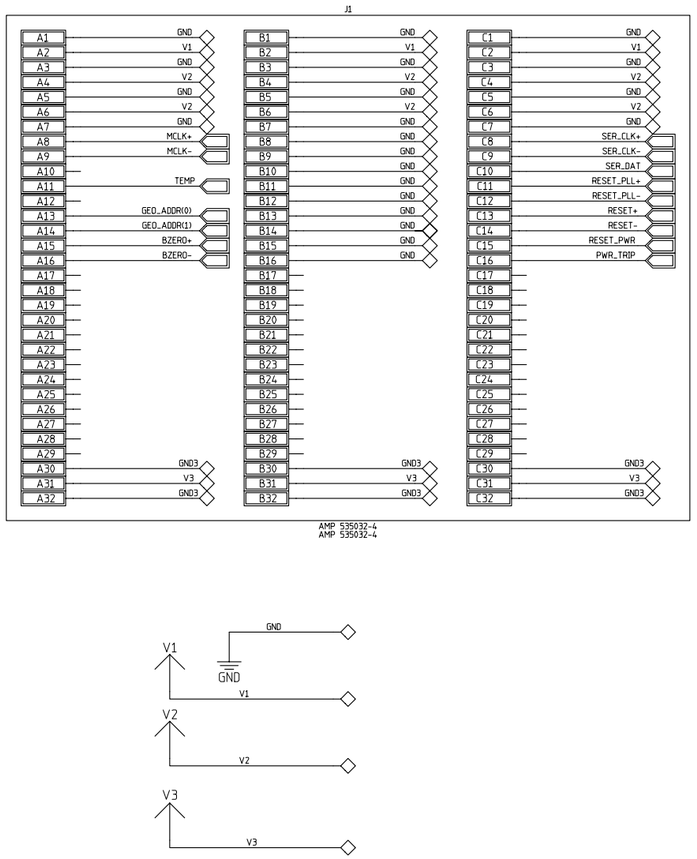
H=BND; V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED



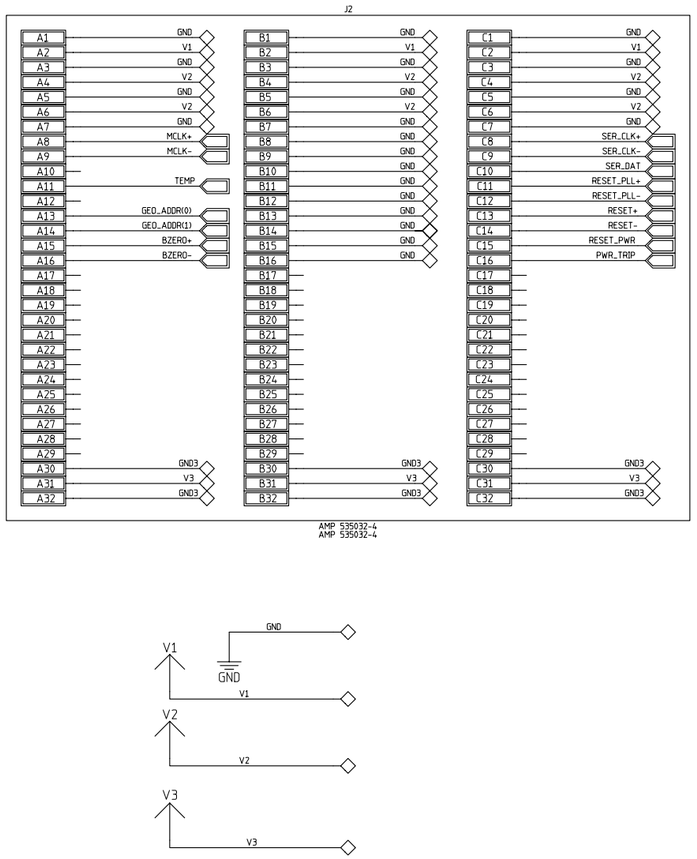
CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HF_3U_Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
		SCALE / SHEET

H=BND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED



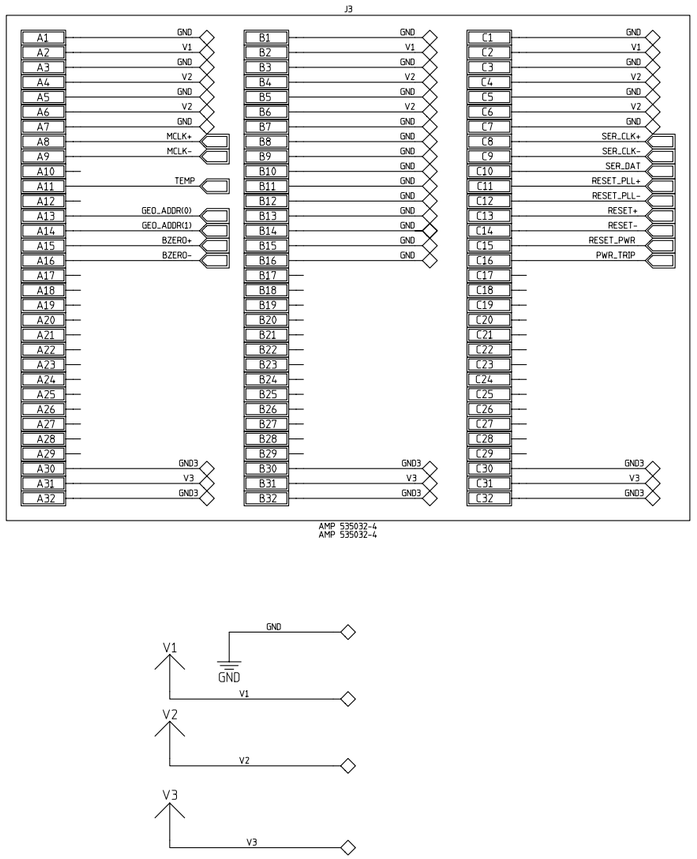
CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HF_3U_Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
		SCALE / SHEET

H=BND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED



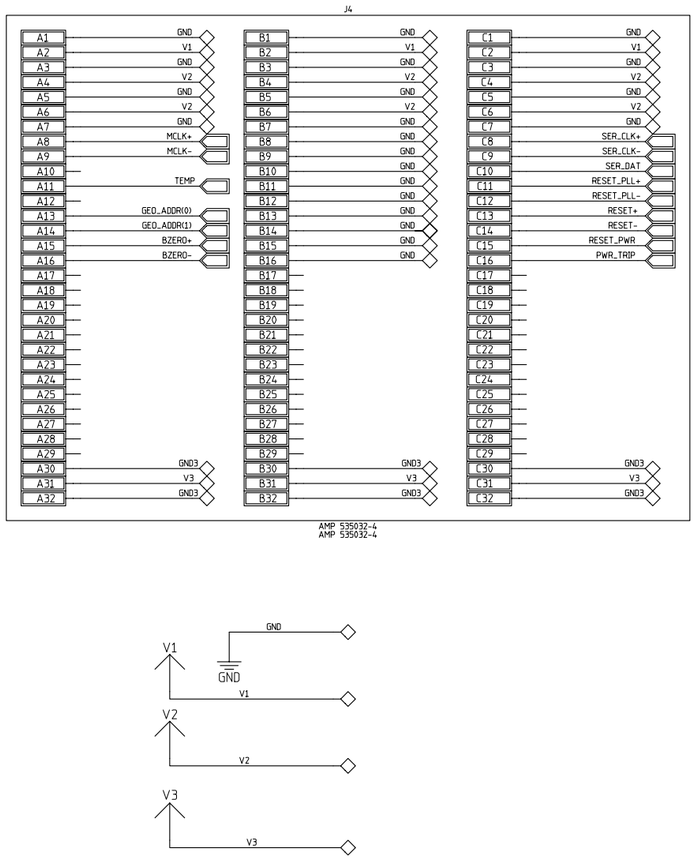
CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HF_3U_Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
		SCALE / SHEET

H=BND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED



CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HF_3U_Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
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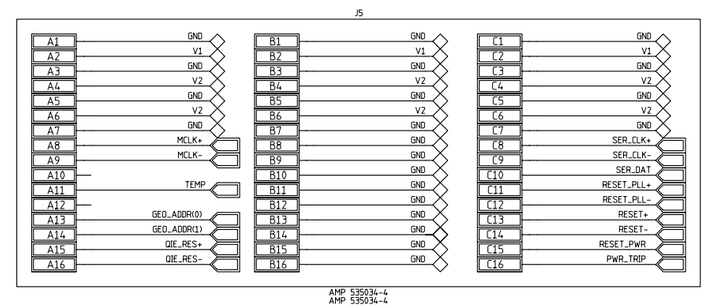
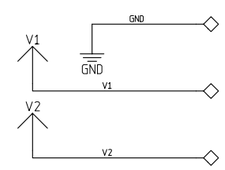
H=BND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





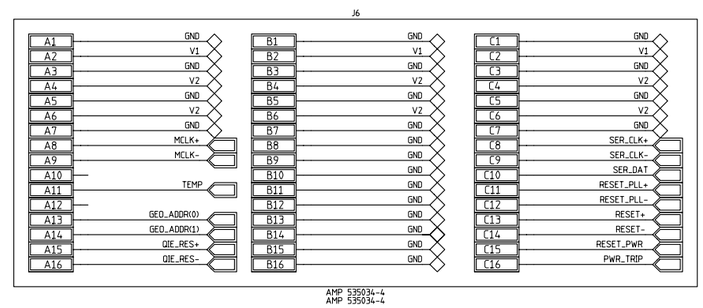
CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HF_3U_Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
		SCALE / SHEET

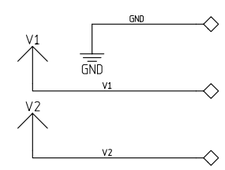
H=8ND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





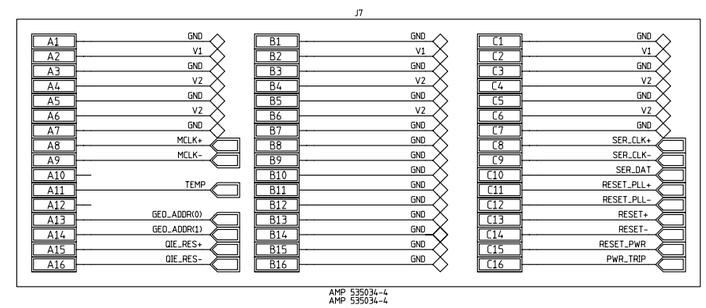
CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HF_3U_Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
		SCALE / SHEET

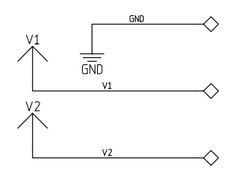
H=8ND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





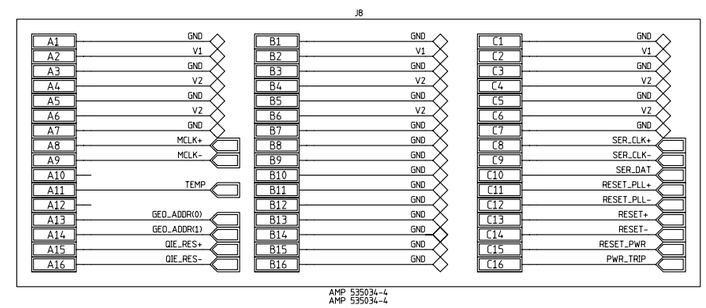
CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HF_3U_Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
		SCALE / SHEET

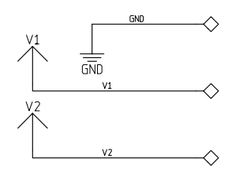
H=8ND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





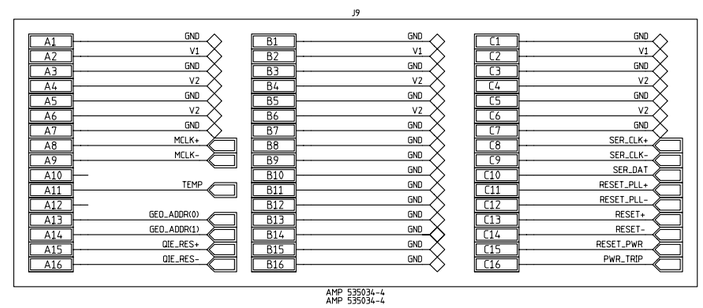
CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HF_3U_Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
		SCALE / SHEET

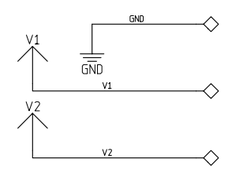
H=8ND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HF_3U_Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
		SCALE / SHEET

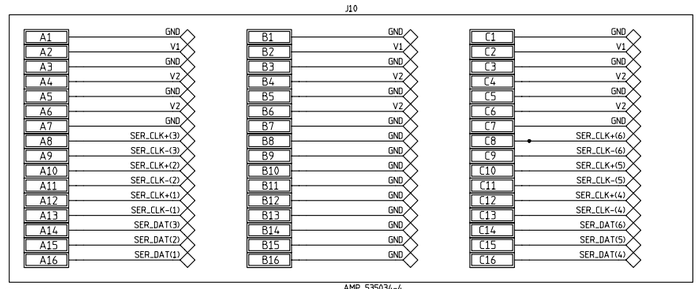
H=8ND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED

SLOT 10



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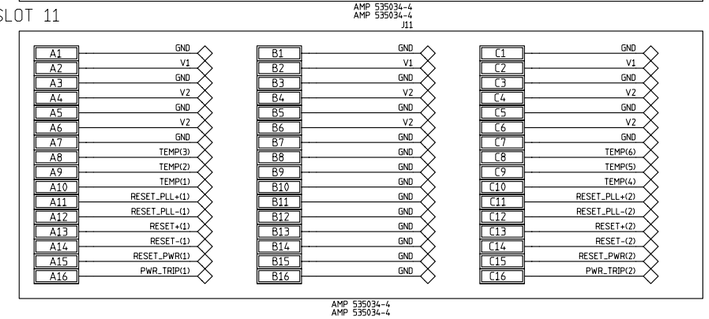
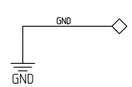
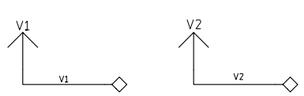
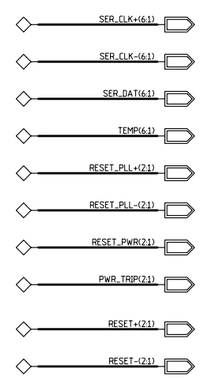








CONTRACT NO.		Fermi National Accelerator Laboratory			
APPROVALS	DATE	US CMS HCAL HF_3U_Backplane Clock and Control Module Slot - Control			SLOTS 7 and 8
DRAWN T. M. Shaw	1/29/01				
CHECKED					
ISSUED		SIZE D	FSCM NO.	DWG. NO.	REV
		SCALE		SHEET	

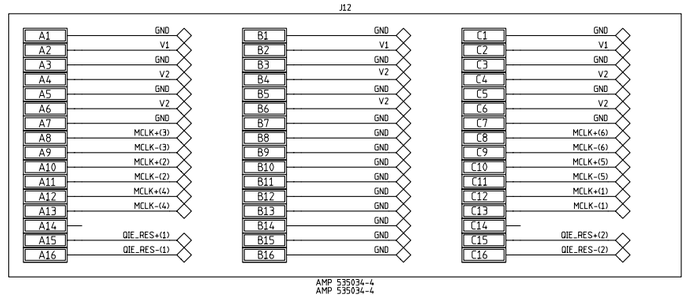
H=8ND; V=4LA

DWG. NO.	SH.	REV

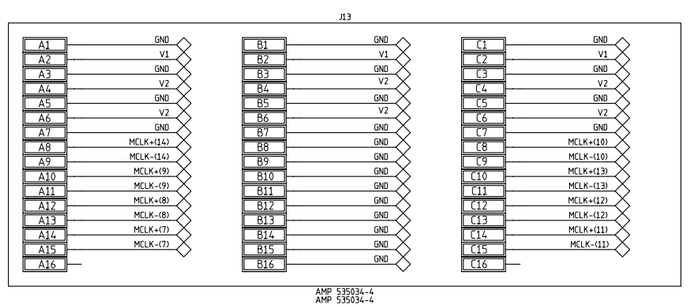
REVISIONS

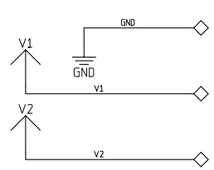
REV	DESCRIPTION	DATE	APPROVED

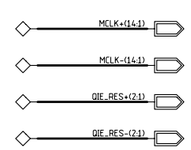
SLOT 12



SLOT 13







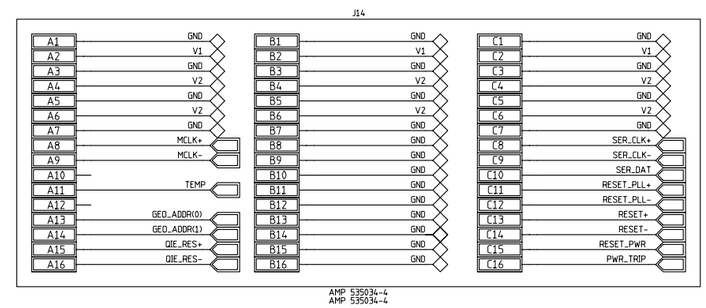
CONTRACT NO.		Fermi National Accelerator Laboratory		
APPROVALS	DATE	US CMS HCAL SLOT 9 HF_3U_Backplane Clock and Control Module Slot - Timing		
DRAWN T. M. Shaw	1/29/01			
CHECKED				
ISSUED		SIZE D	FSCM NO.	DWG. NO. REV
		SCALE		SHEET

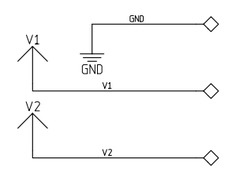
H=8ND; V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HF_3U_Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
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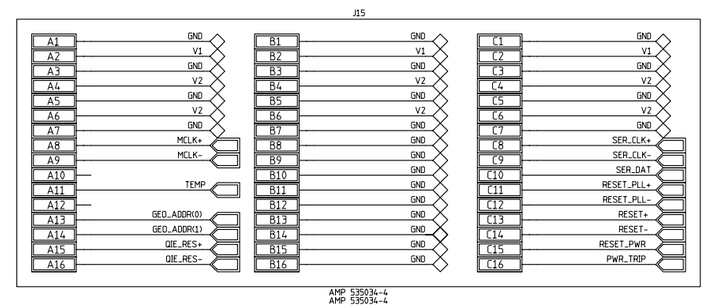
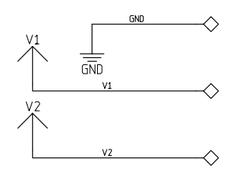
H=8ND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HF_3U_Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
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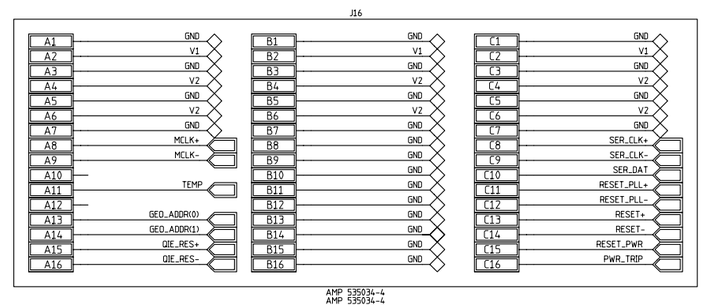
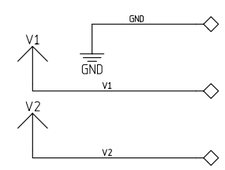
H=8ND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HF_3U_Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
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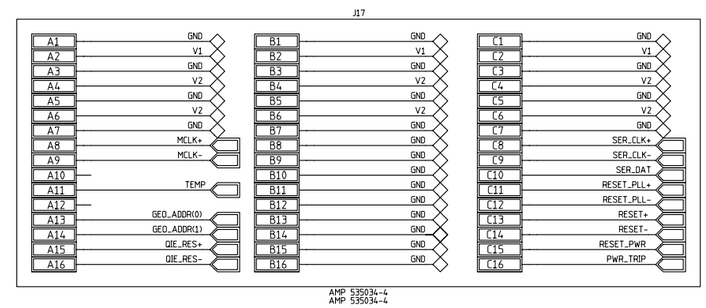
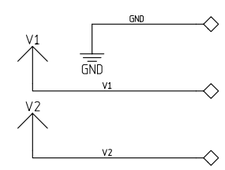
H=8ND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HF_3U_Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
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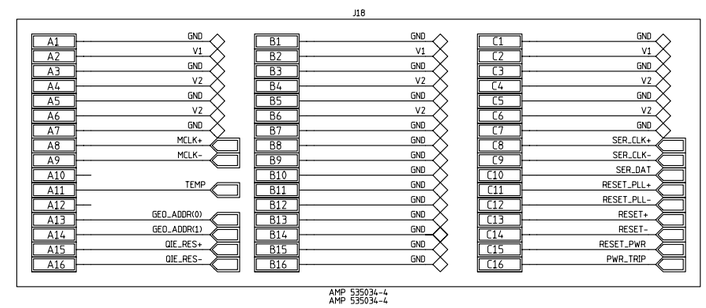
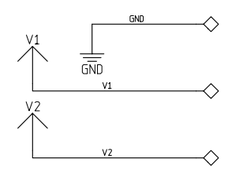
H=8ND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HF_3U_Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
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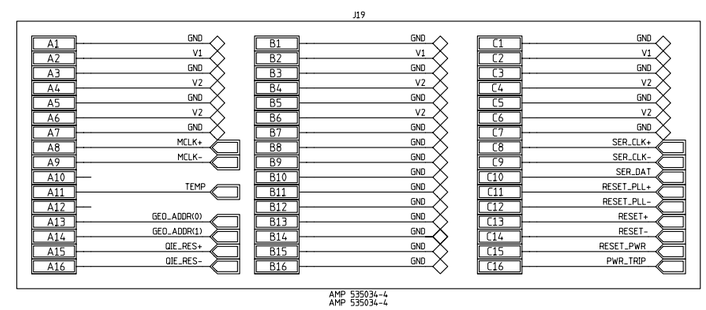
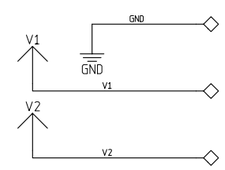
REV	DESCRIPTION	DATE	APPROVED





CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HF_3U_Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
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ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
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H=8ND, V=4LA

DWG. NO.	SH.	REV

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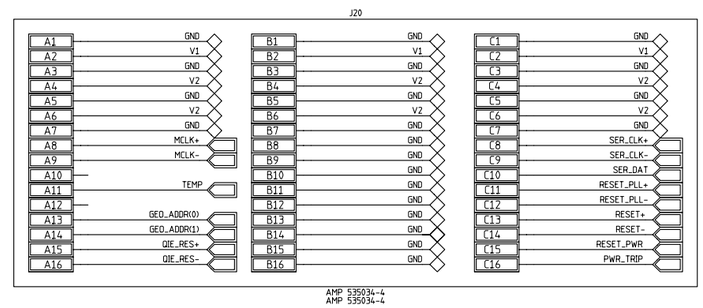
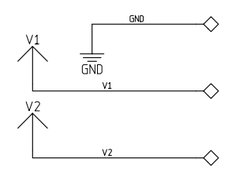
REV	DESCRIPTION	DATE	APPROVED





CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HF_3U_Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
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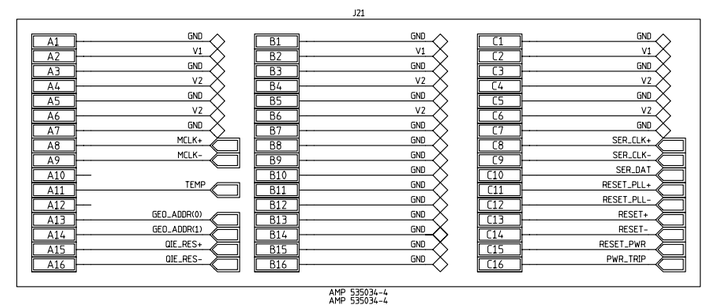
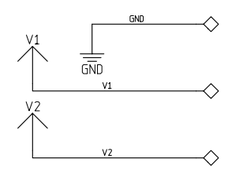
H=8ND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





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DRAWN T. M. Shaw	1/29/01	
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DWG. NO.	SH.	REV

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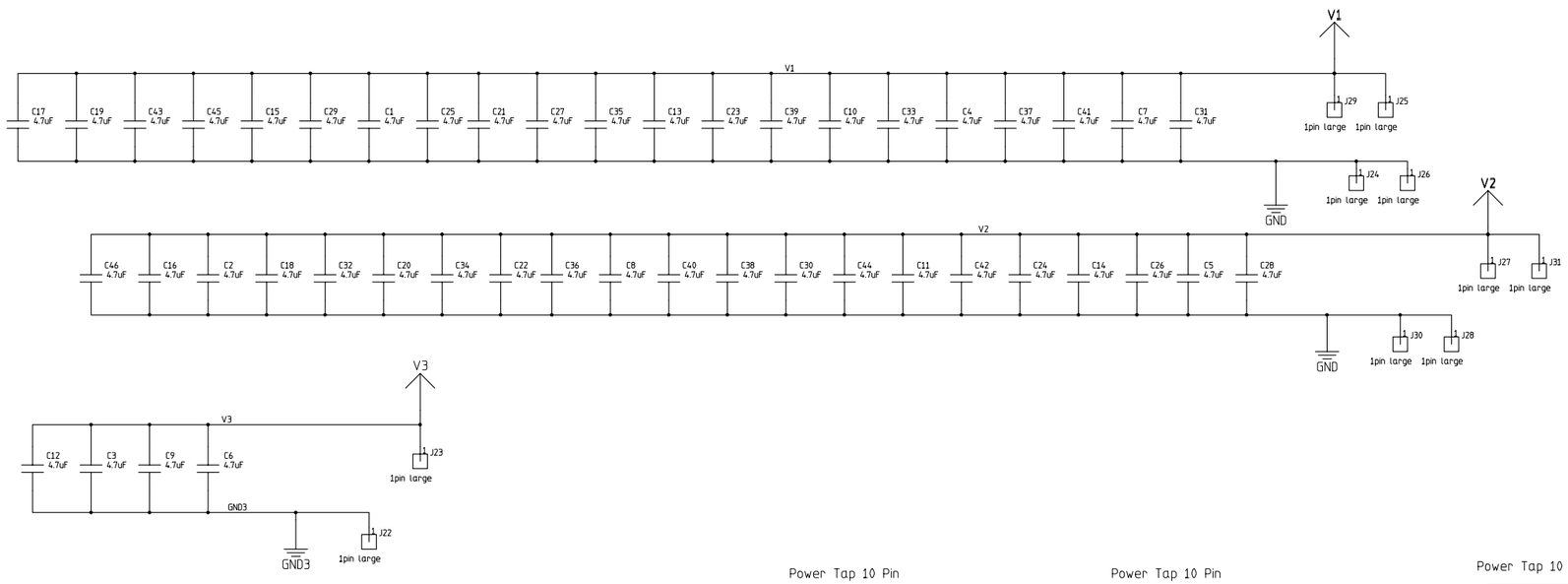
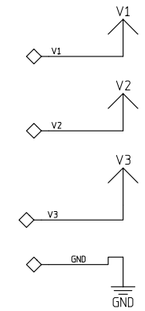
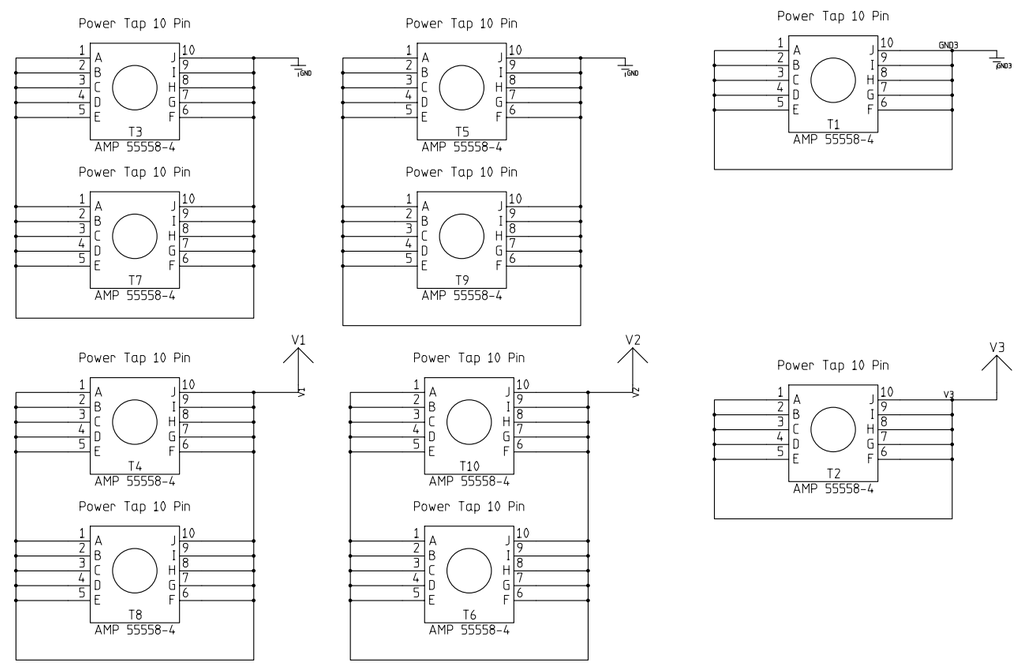
REV	DESCRIPTION	DATE	APPROVED

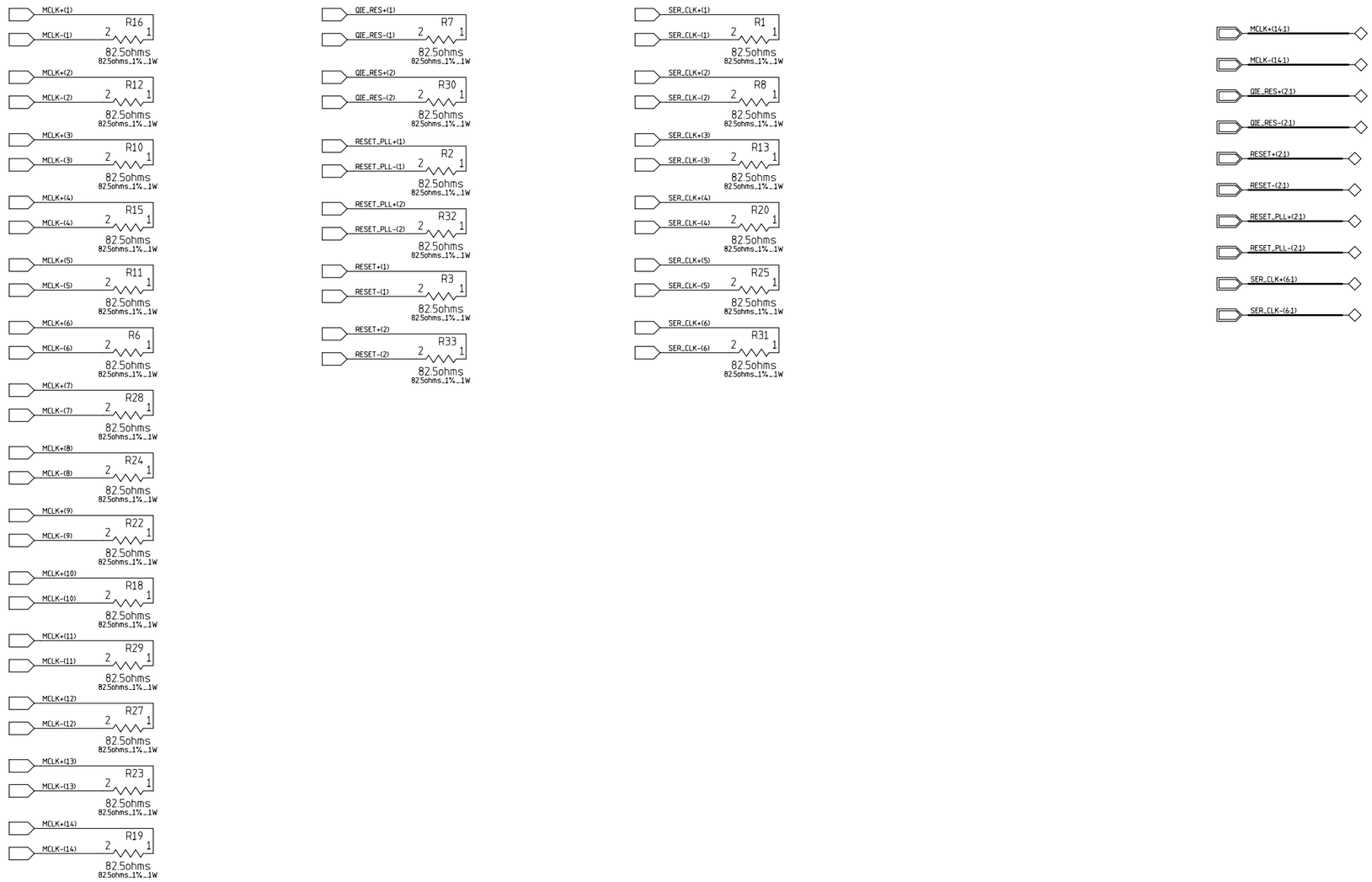






CONTRACT NO.		Fermi National Accelerator Laboratory		
APPROVALS	DATE	US CMS HCAL HF_3U_Backplane Low Voltage Power Slot		
DRAWN T. M. Shaw	1/29/01			
CHECKED				
ISSUED		SIZE D	FSCM NO.	DWG. NO.	REV
		SCALE		SHEET

H=BND, V=4LA



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

DWG. NO.	SH.	REV

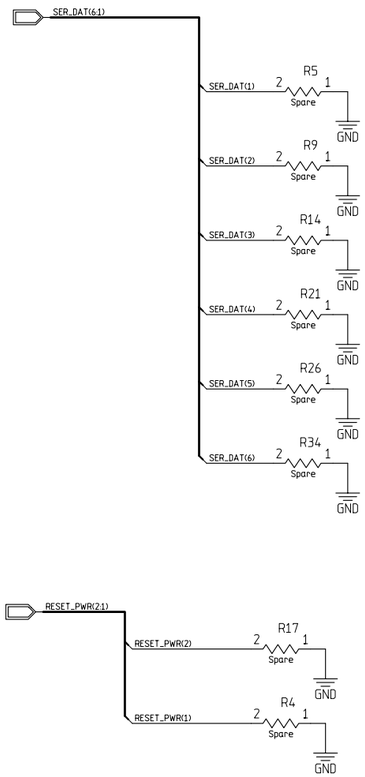
CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HF_3U_Backplane Clock Terminations
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D · FSCM NO. · DWG. NO. · REV
		SCALE · SHEET

H=BND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED



CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HF_3U_Backplane Data Terminations
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
		SCALE / SHEET

H=BND; V=4LA