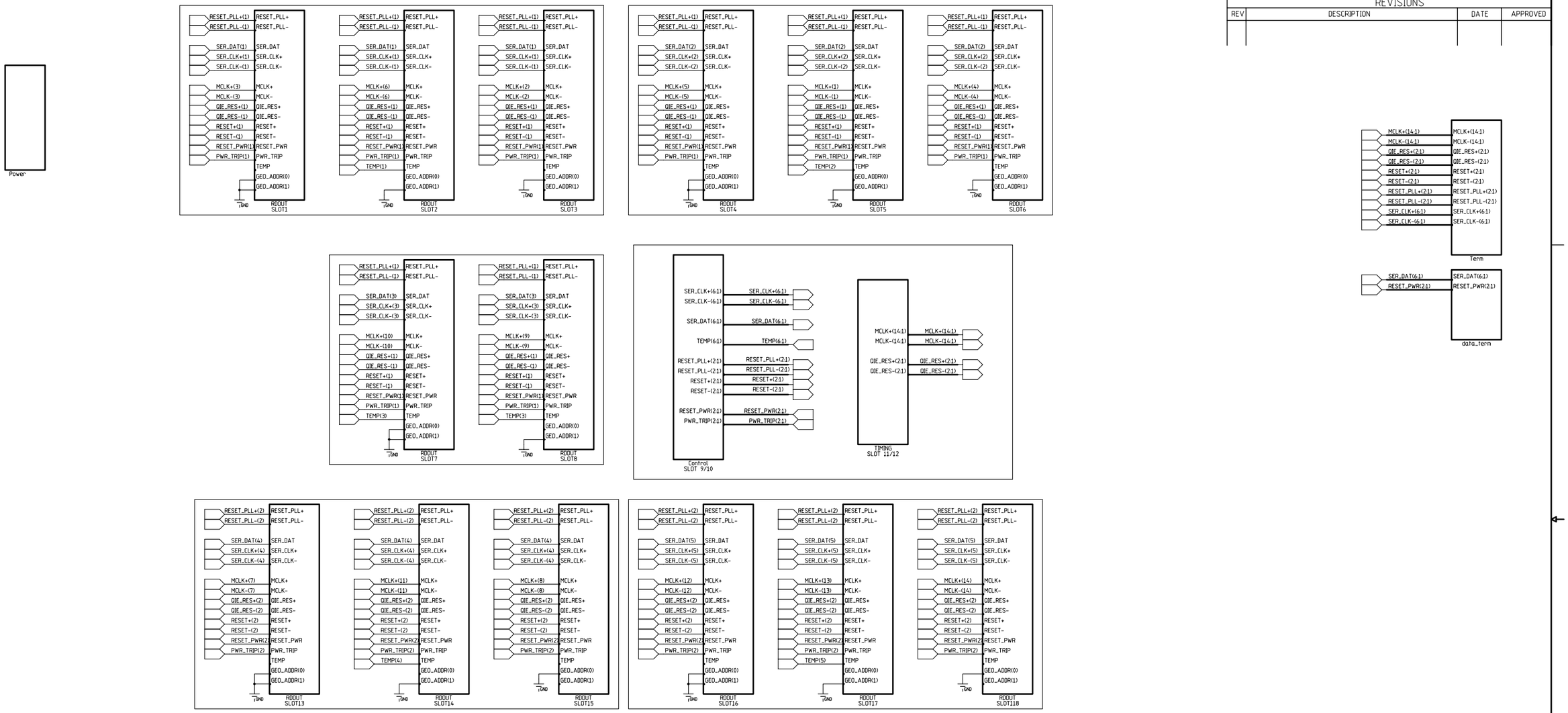
DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED



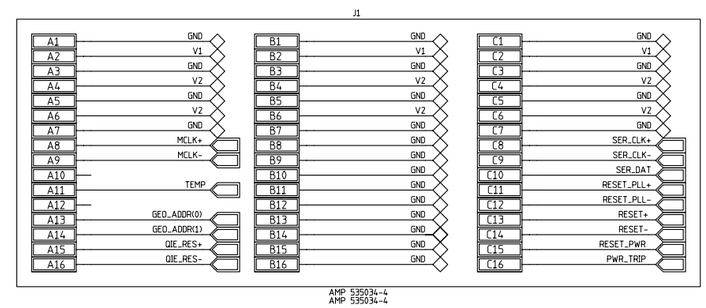
CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HB Backplane Top Level Schematic
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
		SCALE / SHEET

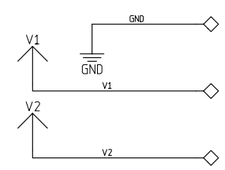
H=8ND; V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





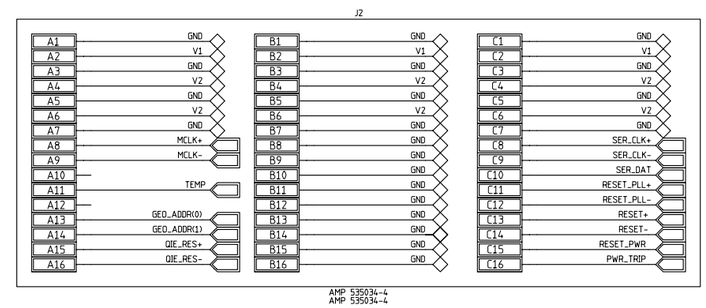
CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HB Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
		SCALE / SHEET

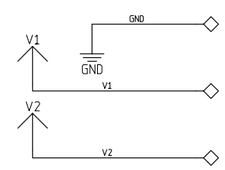
H=8ND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





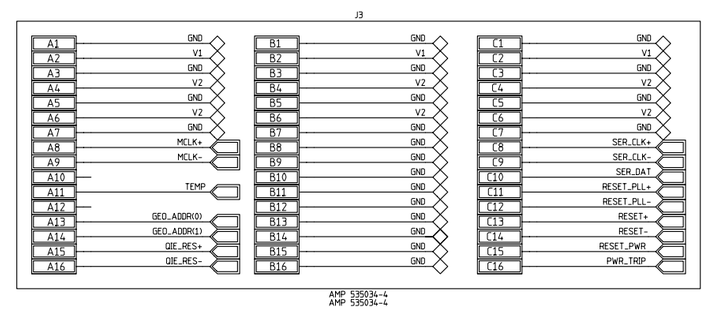
CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HB Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
		SCALE / SHEET

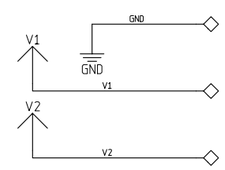
H=8ND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





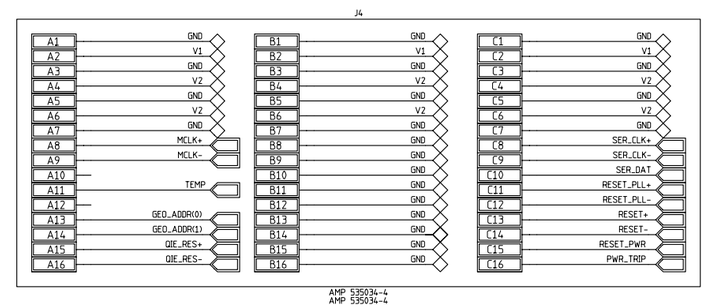
CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HB Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
		SCALE / SHEET

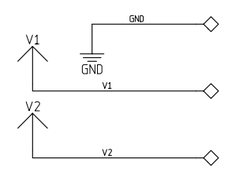
H=8ND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





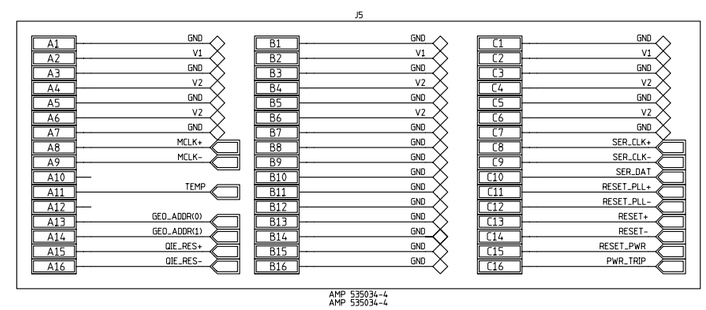
CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HB Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
		SCALE / SHEET

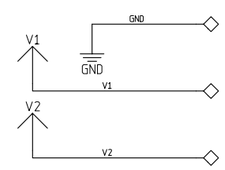
H=8ND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





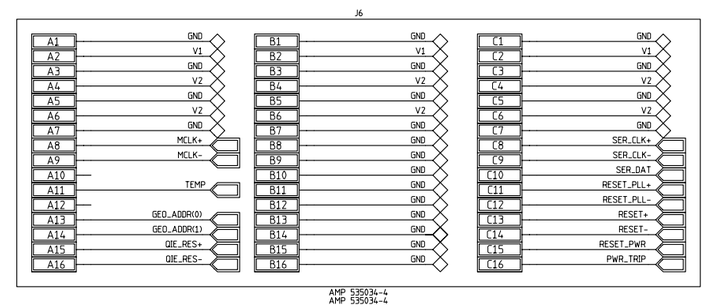
CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HB Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
		SCALE / SHEET

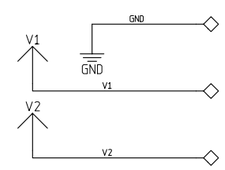
H=8ND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





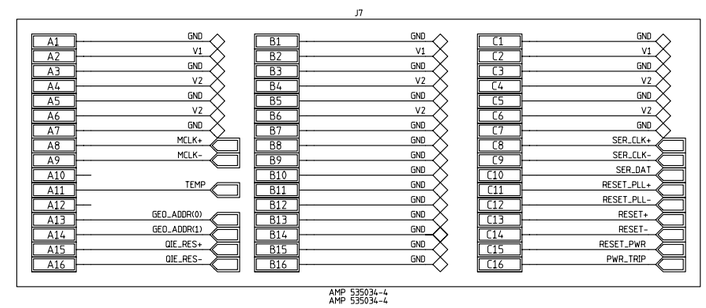
CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HB Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
		SCALE / SHEET

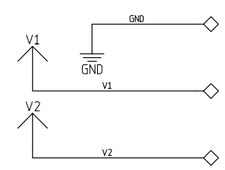
H=8ND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HB Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		

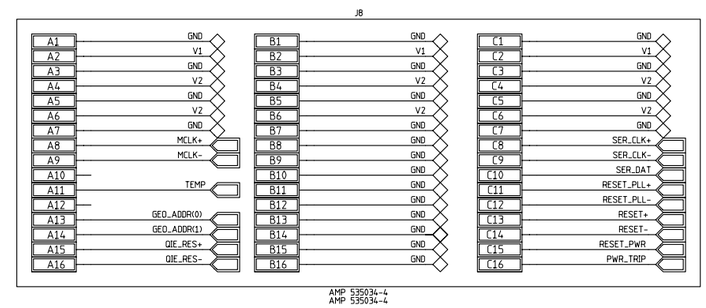
SIZE	FSCM NO.	DWG. NO.	REV
D			
SCALE		SHEET	

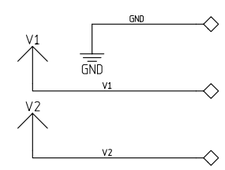
H=8ND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





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

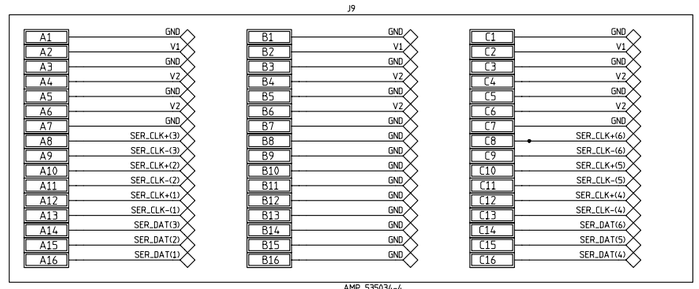
H=8ND, V=4LA

DWG. NO.	SH.	REV

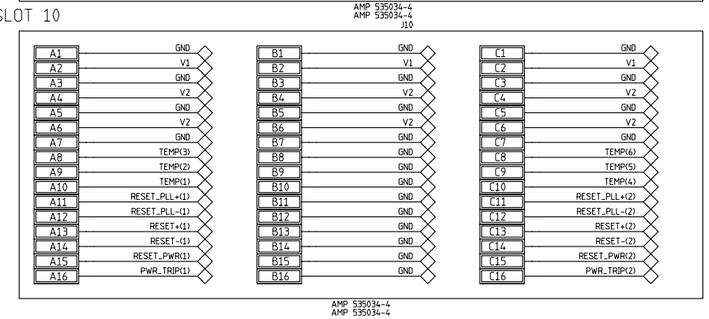
REVISIONS

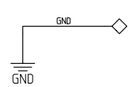
REV	DESCRIPTION	DATE	APPROVED

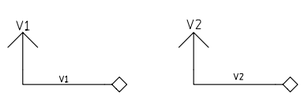
SLOT 9

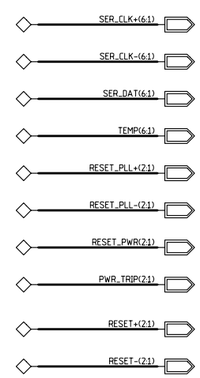


SLOT 10









CONTRACT NO.		Fermi National Accelerator Laboratory			
APPROVALS	DATE	US CMS HCAL HB 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	

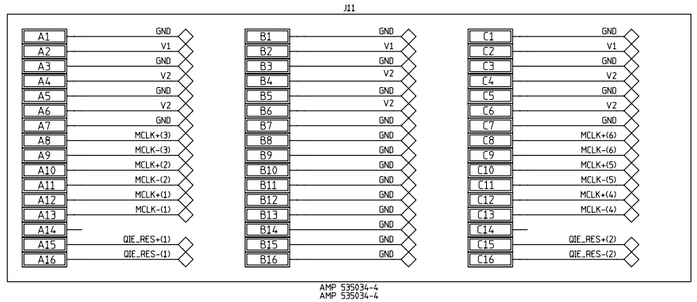
H=8ND; V=4LA

DWG. NO.	SH.	REV

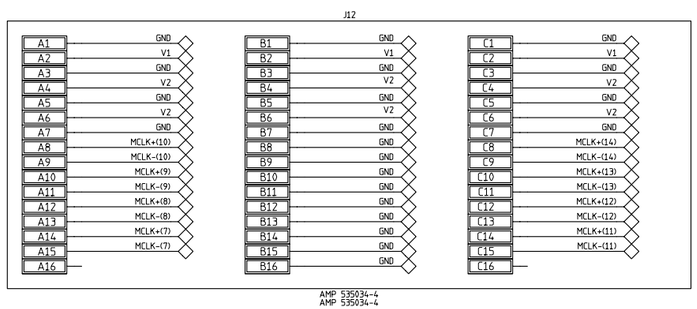
REVISIONS

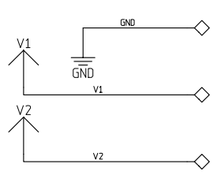
REV	DESCRIPTION	DATE	APPROVED

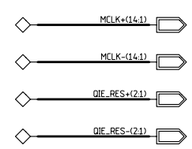
SLOT 11



SLOT 12







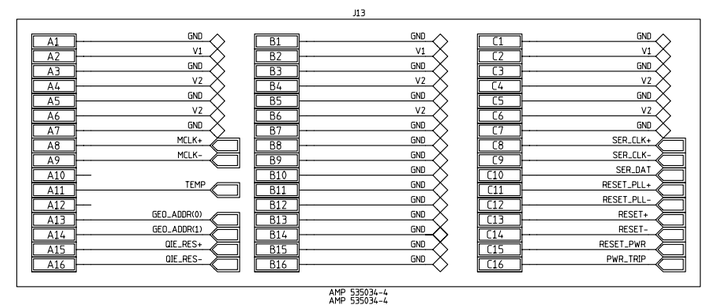
CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL SLOT 9 HB Backplane Clock and Control Module Slot - Timing
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
		SCALE / SHEET

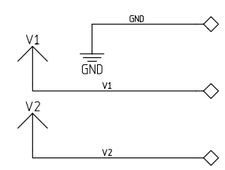
H=BND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





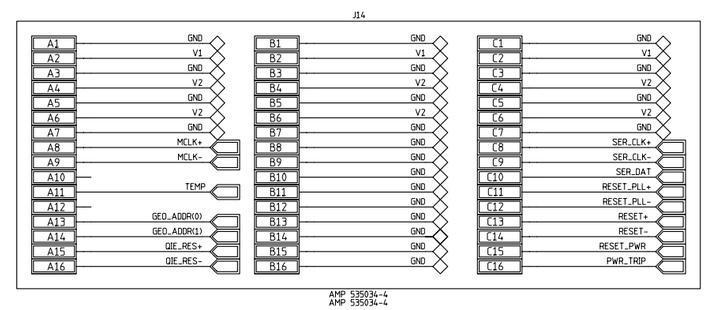
CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HB Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
		SCALE / SHEET

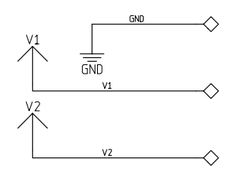
H=8ND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





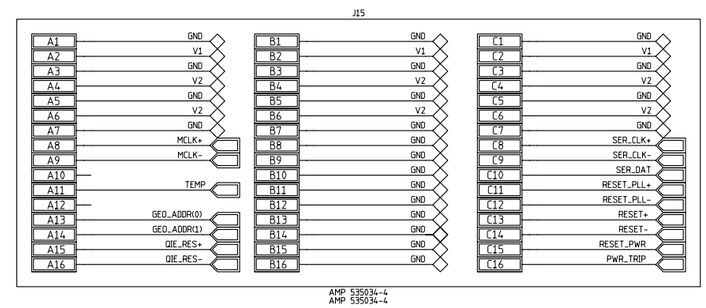
CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HB Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
		SCALE / SHEET

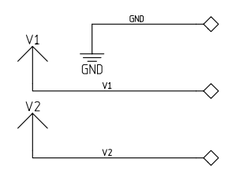
H=8ND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





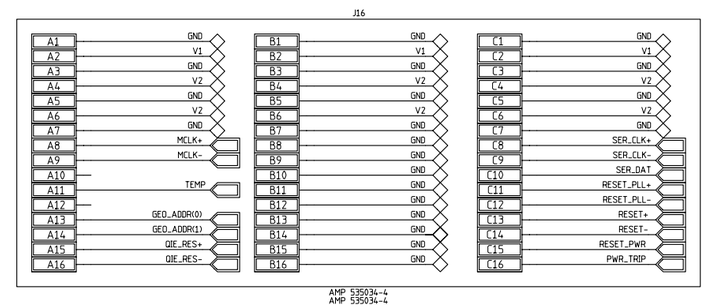
CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HB Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
		SCALE / SHEET

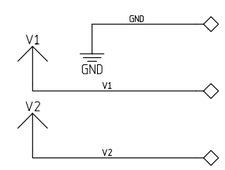
H=8ND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





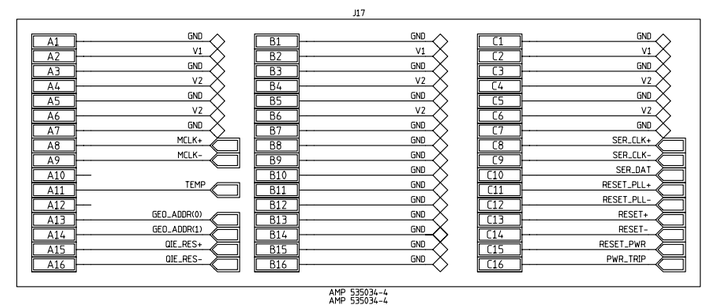
CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HB Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
		SCALE / SHEET

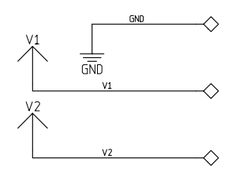
H=8ND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





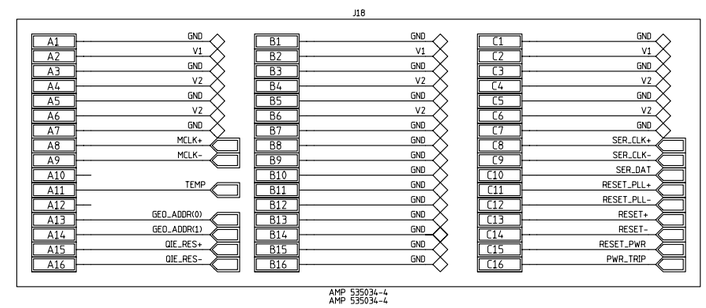
CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HB Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
		SCALE / SHEET

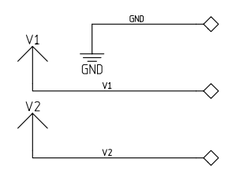
H=8ND, V=4LA

DWG. NO.	SH.	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED





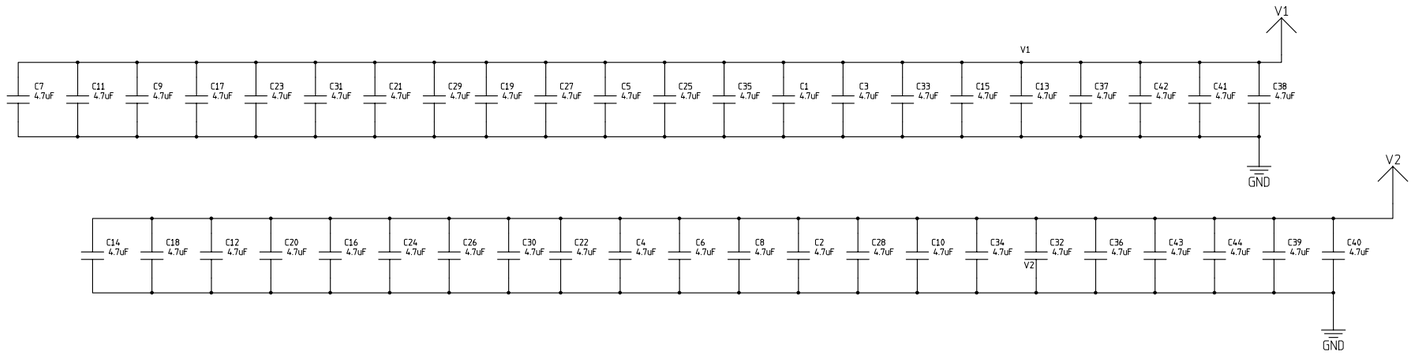
CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HB Backplane Readout Card Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
		SCALE / SHEET

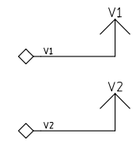
H=8ND, V=4LA

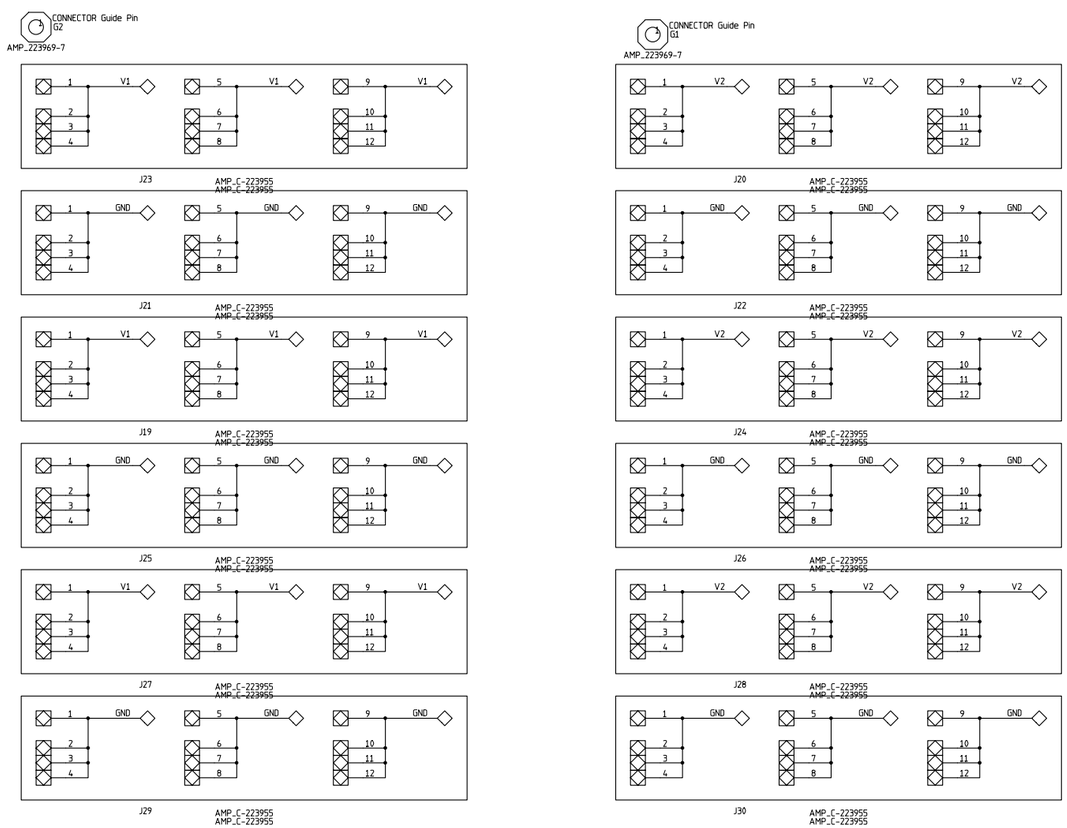
DWG. NO.	SH.	REV

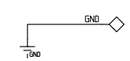
REVISIONS

REV	DESCRIPTION	DATE	APPROVED



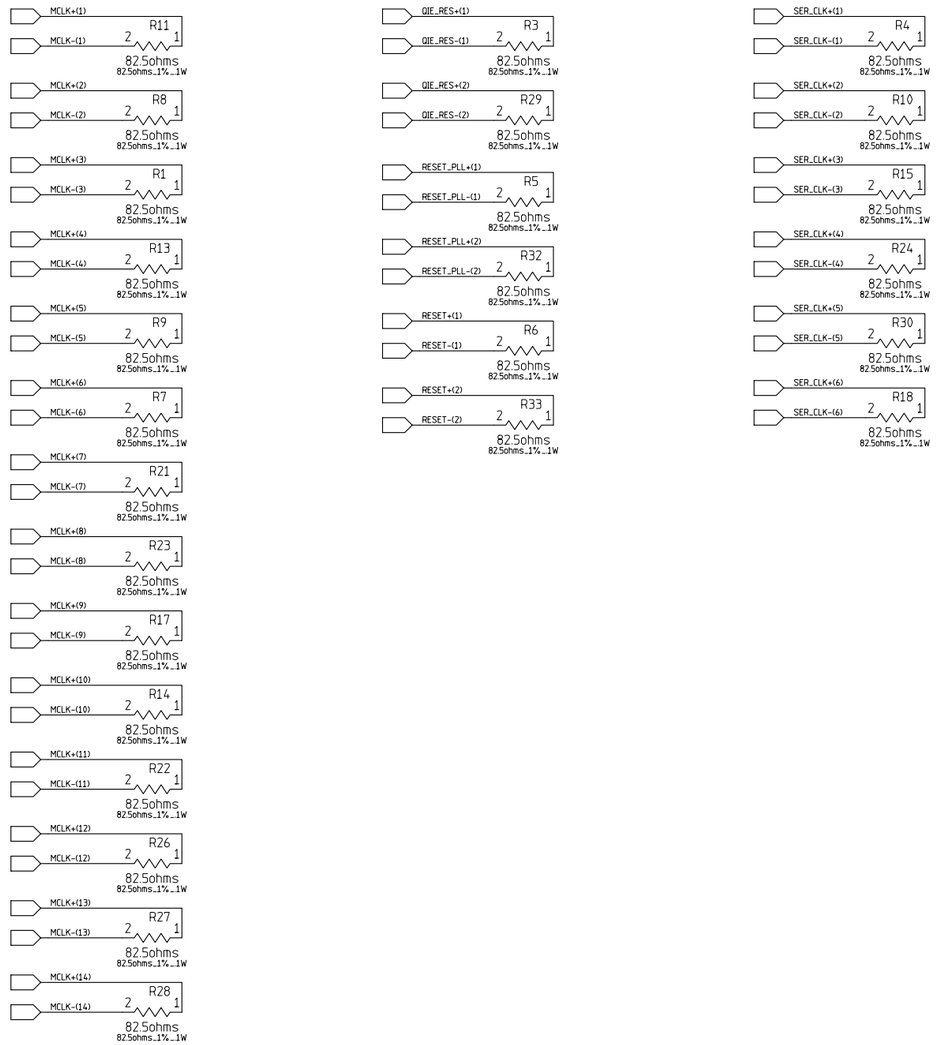


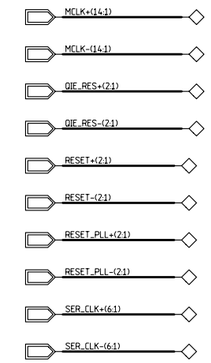




CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HB Backplane Low Voltage Power Slot
DRAWN T. M. Shaw	1/29/01	
CHECKED		
ISSUED		SIZE D / FSCM NO. / DWG. NO. / REV
		SCALE / SHEET

H=BND, V=4LA



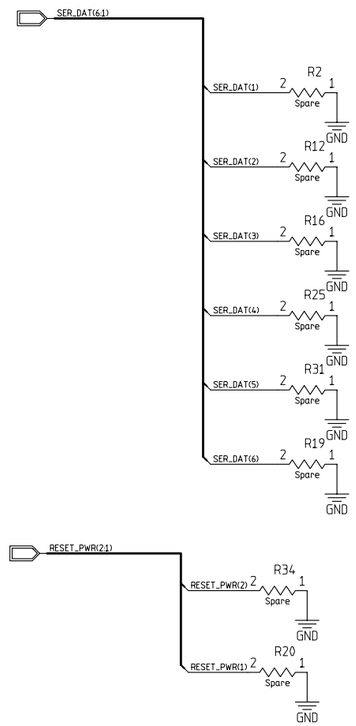


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

DWG. NO.	SH.	REV	

CONTRACT NO.		Fermi National Accelerator Laboratory
APPROVALS	DATE	US CMS HCAL HB 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 HB 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