SH1
C587-201_S1.SchDoc

SH2
C587-201_S2.SchDoc

SH3
C587-201_S3.SchDoc

SH4
C587-201_S4.SchDoc

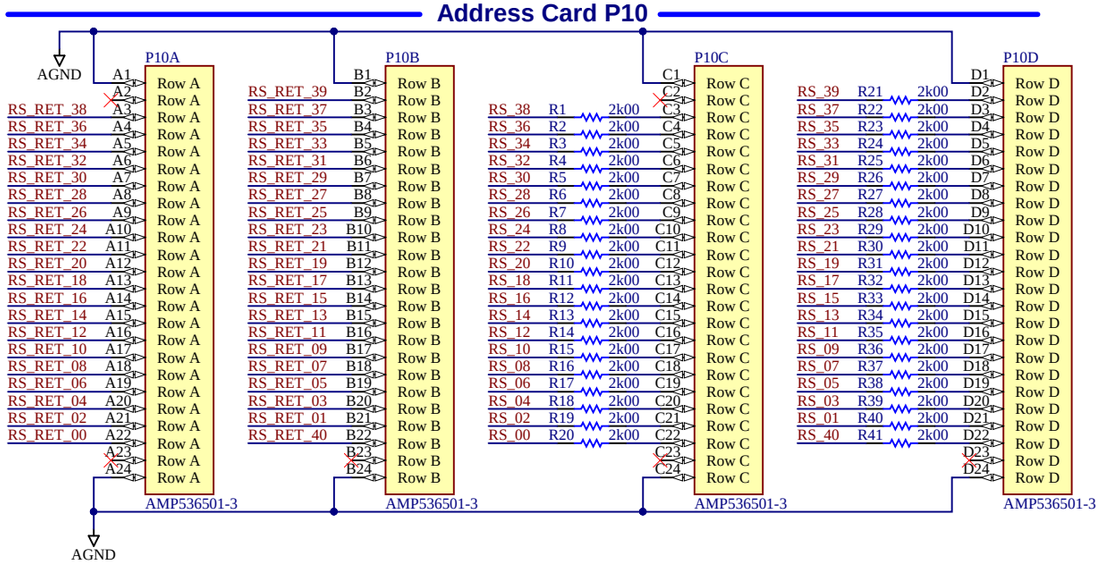
SH5
C587-201_S5.SchDoc

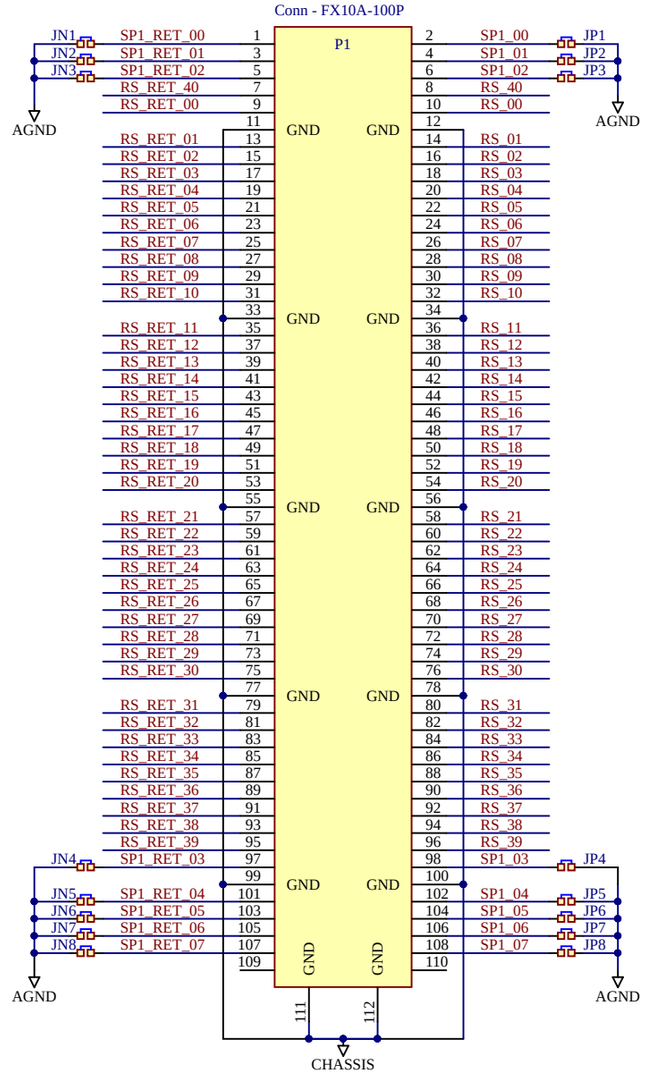
SH6
C587-201_S6.SchDoc

SH7
C587-201_S7.SchDoc

MCE Assembly #: 003161 ASY

Title: ***MCEv2 5 MDM Instrument Backplane***			**University of British Columbia**
Size: B	Number: ELE-C587-201	Revision: C Issue 0	*Department of Physics & Astronomy*
Date: 4/10/2018 Time: 2:37:11 PM		Sheet 0 of 5	*MCEv2 Project*
File: C587-201_S0.SchDoc			*6224 Agricultural Road*
			Vancouver BC V6T 1Z1 Canada



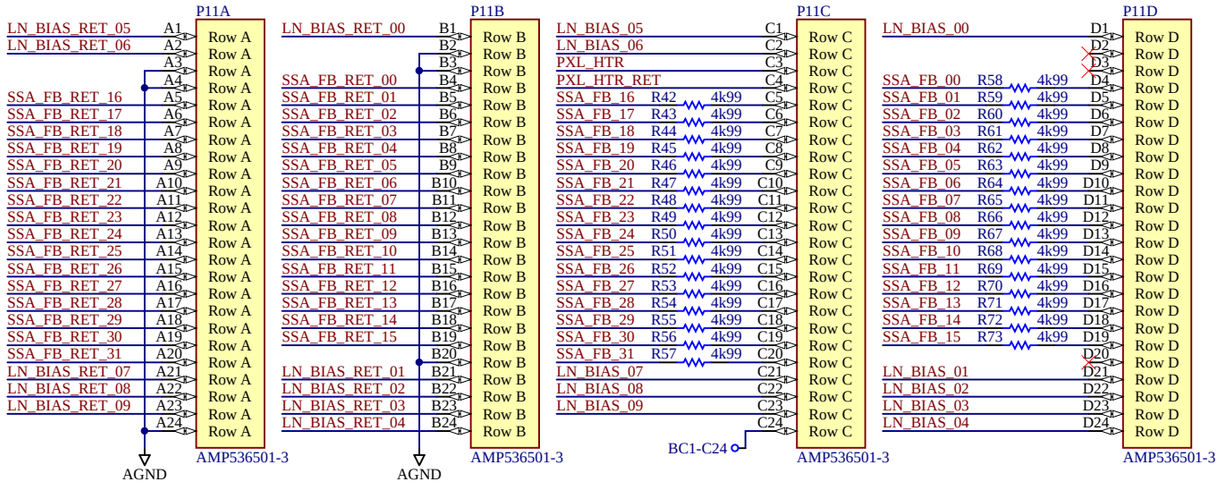


PCB Part Number for BOM: 003163 PCB

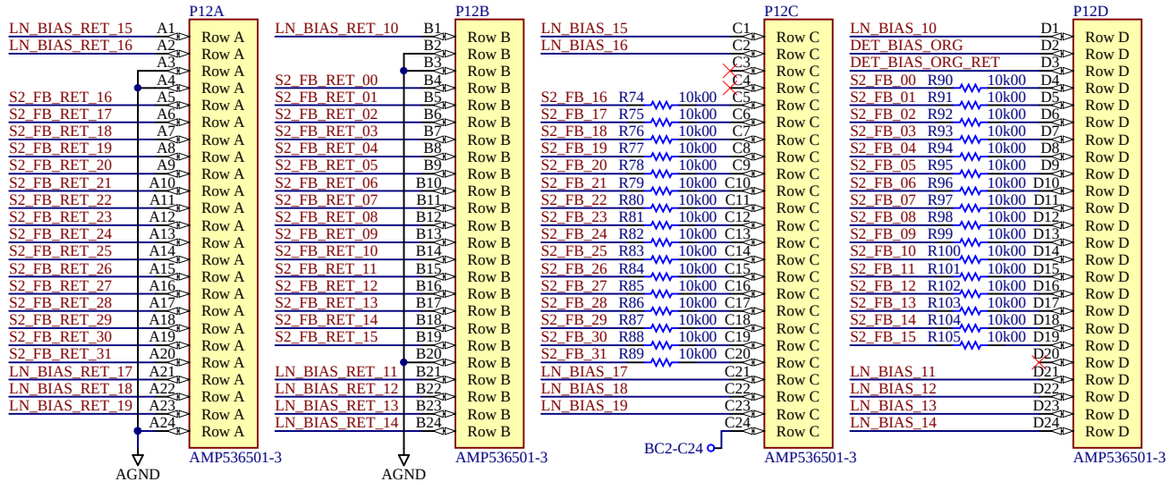
MCE Assembly #: 003161 ASY

Title: *MCEv2 5 MDM Instrument Backplane*			**University of British Columbia**
Size: B	Number: ELE-C587-201	Revision: C Issue 0	*Department of Physics & Astronomy*
Date: 4/10/2018	Time: 2:37:11 PM	Sheet 1 of 7	*MCEv2 Project*
File: C587-201_S1.SchDoc			*6224 Agricultural Road*
			Vancouver BC V6T 1Z1 Canada

Bias Card 1 - P11

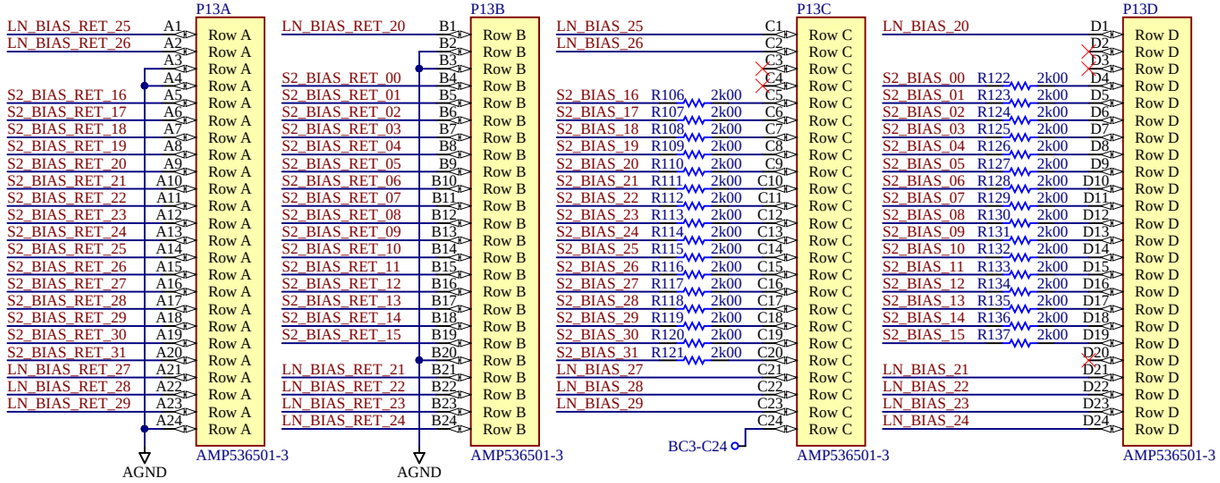


Bias Card 2 - P12

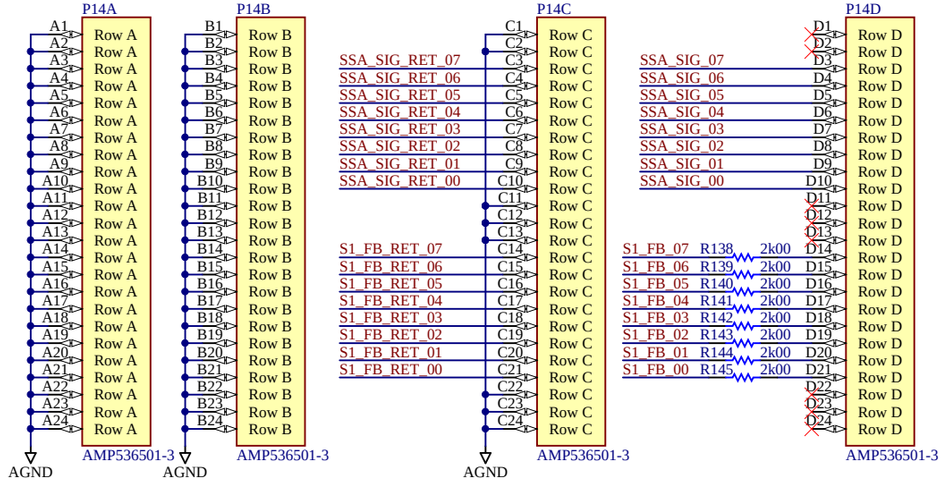


Note 1: BC2 is compatible with Address Cards
Note 2: Compatiblitiy Requires no Connection at C3, C4 for Bias Card 2 & 3
Note 3: BC1-BC3 are not compatible with Bias Cards that have SSAM_HTR_A and B parts installed

Bias Card 3 - P13



Readout Card 1 - P14

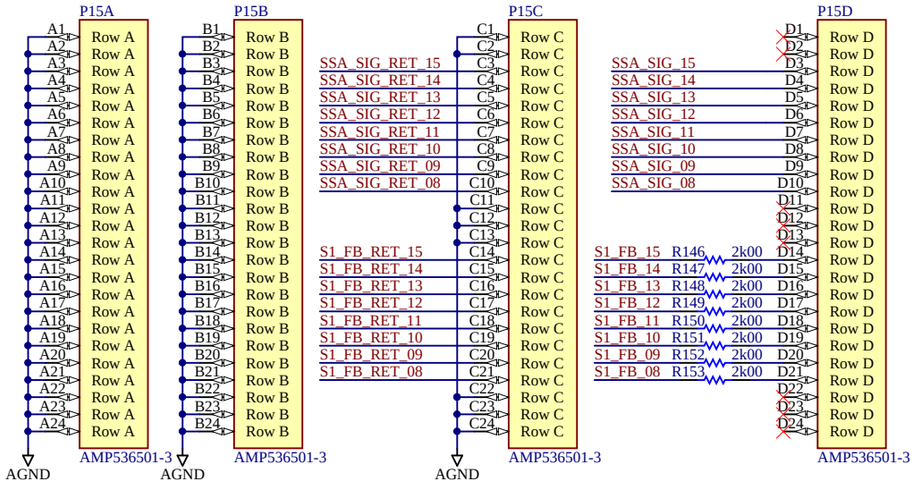


SSA_SIG_x Signals are Outputs from Array (Inputs on ReadoutCards)
S1_FB_x Signals are Inputs to Array (Outputs on Readout Cards)

MCE Assembly #: 003161 ASY

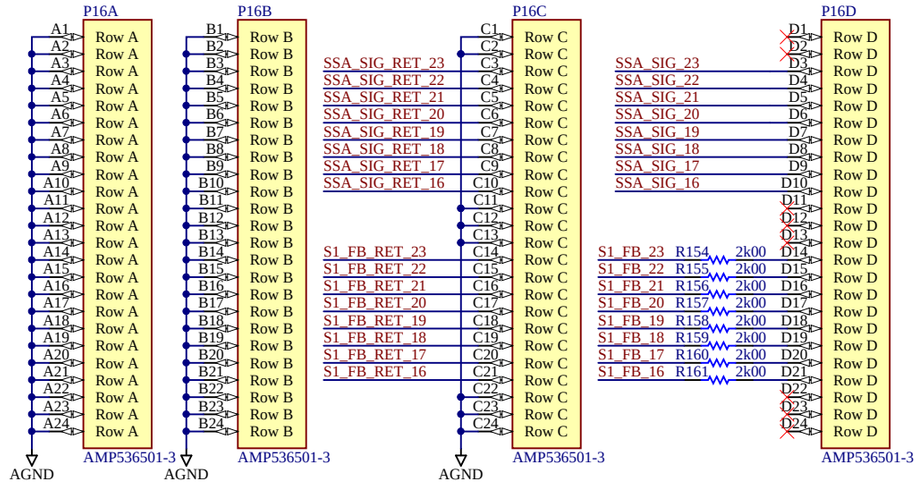
Title: *MCEv2 5 MDM Instrument Backplane*		University of British Columbia Department of Physics & Astronomy MCEv2 Project 6224 Agricultural Road Vancouver BC V6T 1Z1 Canada
Size: B	Number: ELE-C587-201	Revision: C Issue 0
Date: 4/10/2018 Time: 2:37:11 PM	Sheet 2 of 7	
File: C587-201_S2.SchDoc		

Readout Card 2 - P15



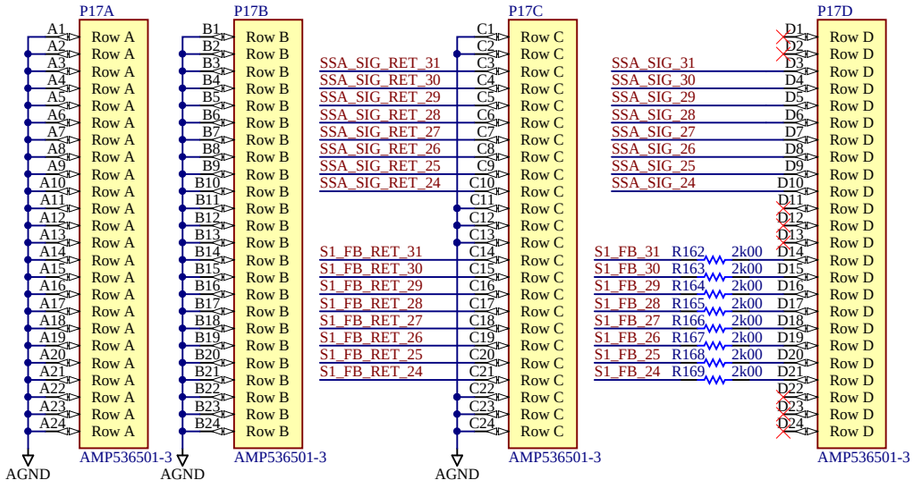
SSA_SIG_x Signals are Outputs from Array (Inputs on ReadoutCards)
S1_FB_x Signals are Inputs to Array (Outputs on Readout Cards)

Readout Card 3 - P16



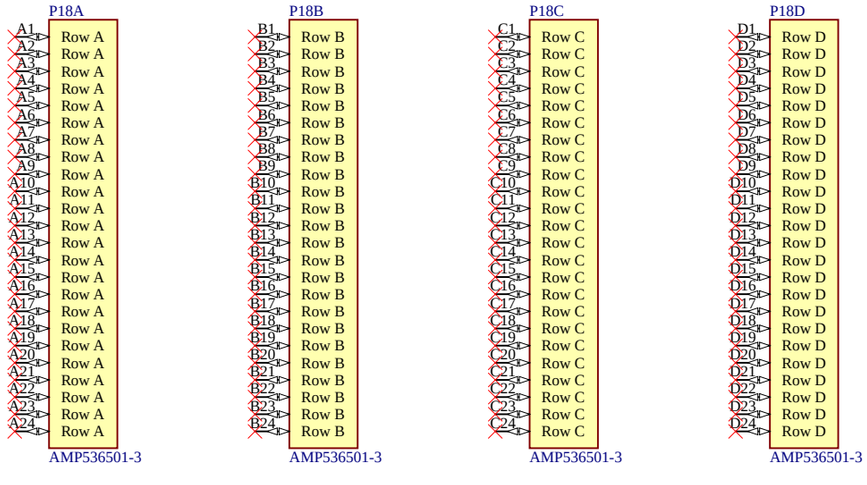
SSA_SIG_x Signals are Outputs from Array (Inputs on ReadoutCards)
S1_FB_x Signals are Inputs to Array (Outputs on Readout Cards)

Readout Card 4 - P17



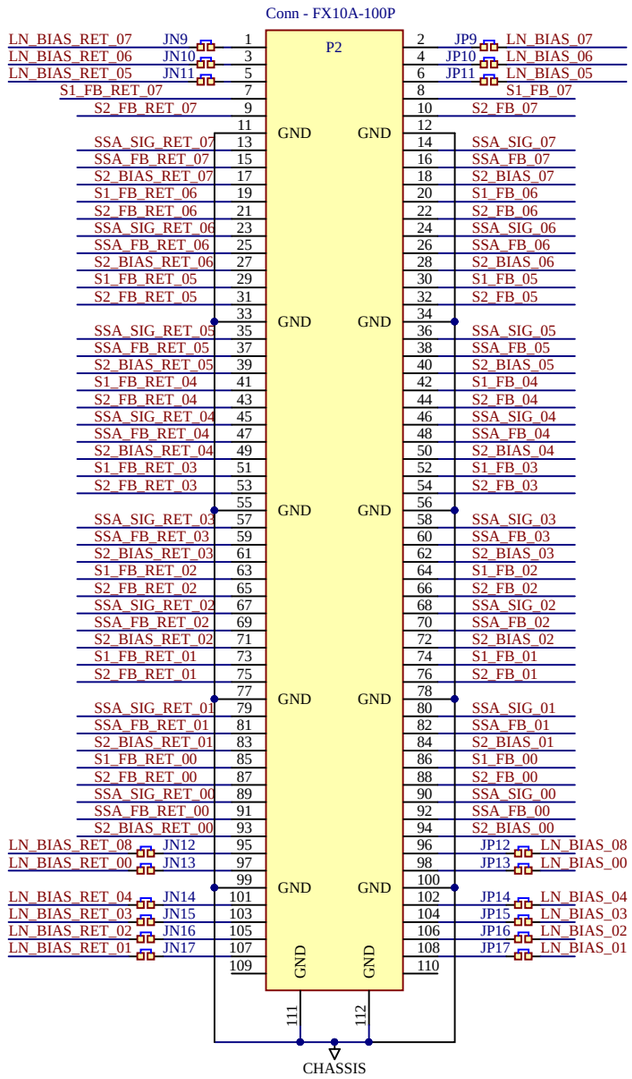
SSA_SIG_x Signals are Outputs from Array (Inputs on ReadoutCards)
S1_FB_x Signals are Inputs to Array (Outputs on Readout Cards)

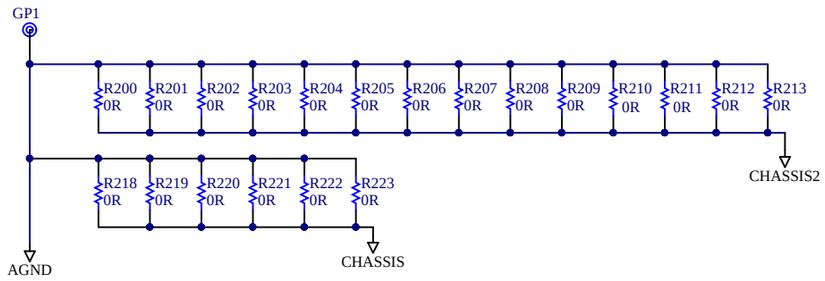
Clock Card - P18



MCE Assembly #: 003161 ASY

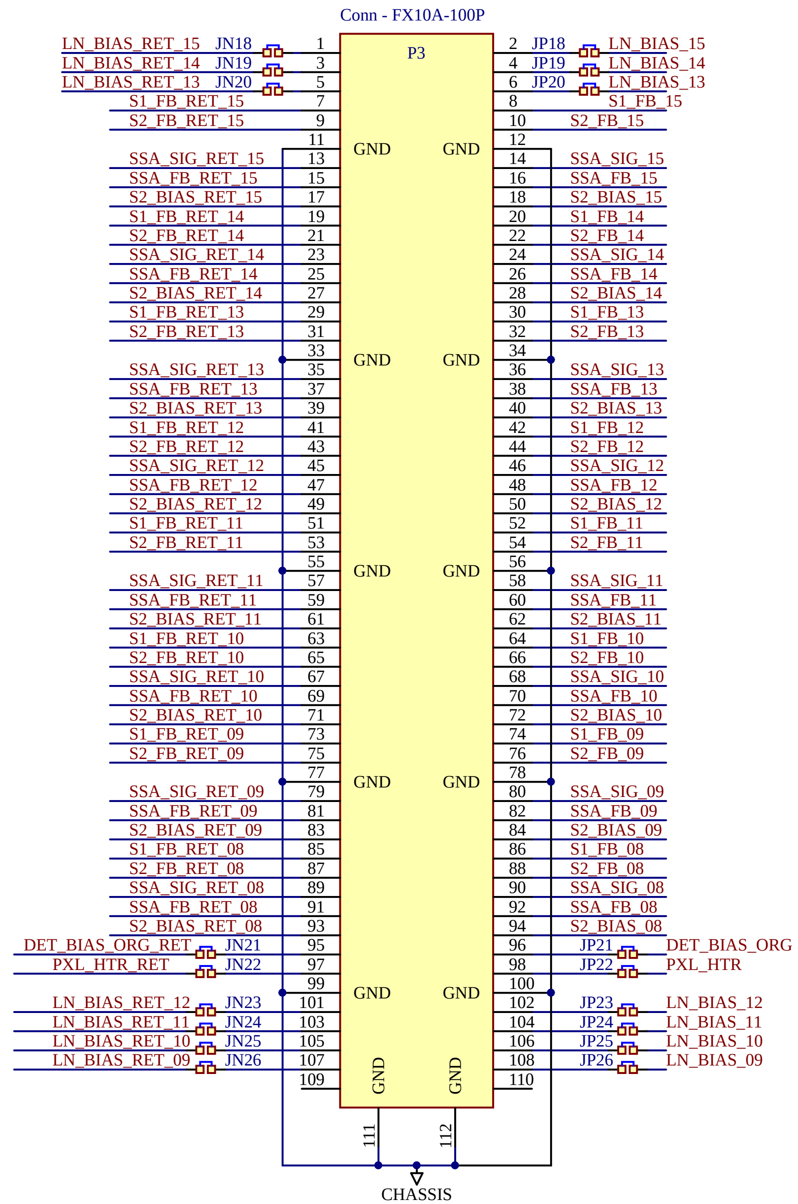
Title: *MCEv2 5 MDM Instrument Backplane*			University of British Columbia *Department of Physics & Astronomy* *MCEv2 Project* *6224 Agricultural Road* *Vancouver BC V6T 1Z1 Canada*
Size: B	Number: ELE-C587-201	Revision: C Issue 0	
Date: 4/10/2018 Time: 2:37:12 PM		Sheet 3 of 7	
File: C587-201_S3.SchDoc			





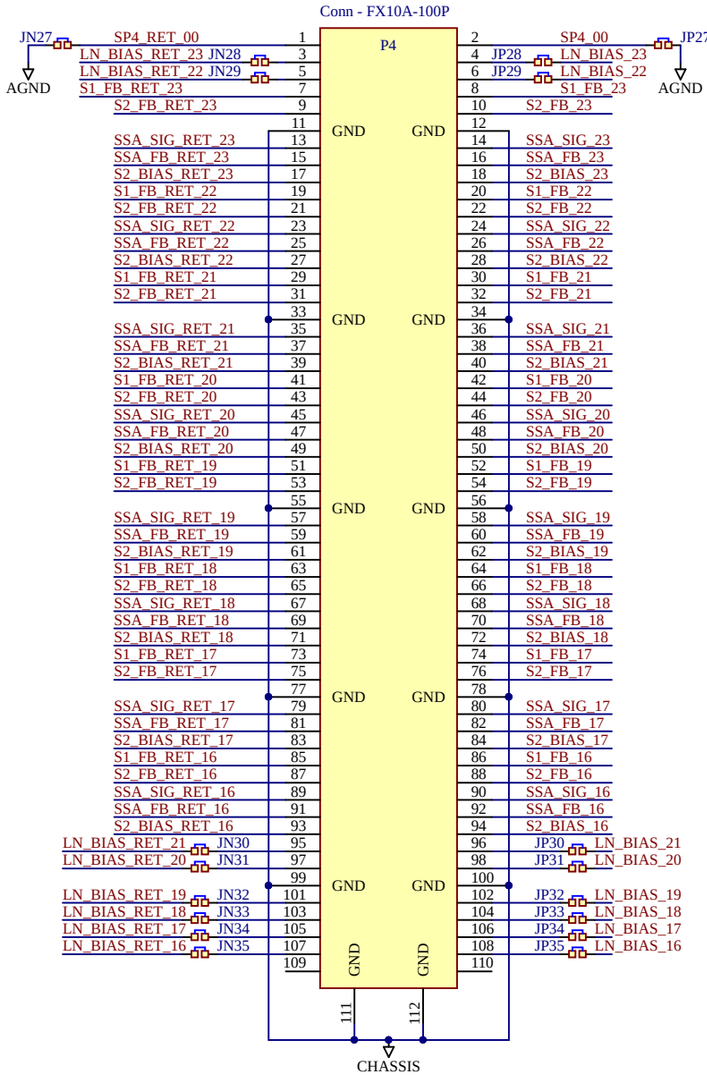
MCE Assembly #: 003161 ASY

Title: *MCEv2 5 MDM Instrument Backplane*			**University of British Columbia**
Size: B	Number: ELE_C587-201	Revision: C Issue 0	*Department of Physics & Astronomy*
Date: 4/10/2018 Time: 2:37:12 PM		Sheet 4 of 7	*MCEv2 Project*
File: C587-201_S4.SchDoc			*6224 Agricultural Road*
			Vancouver BC V6T 1Z1 Canada



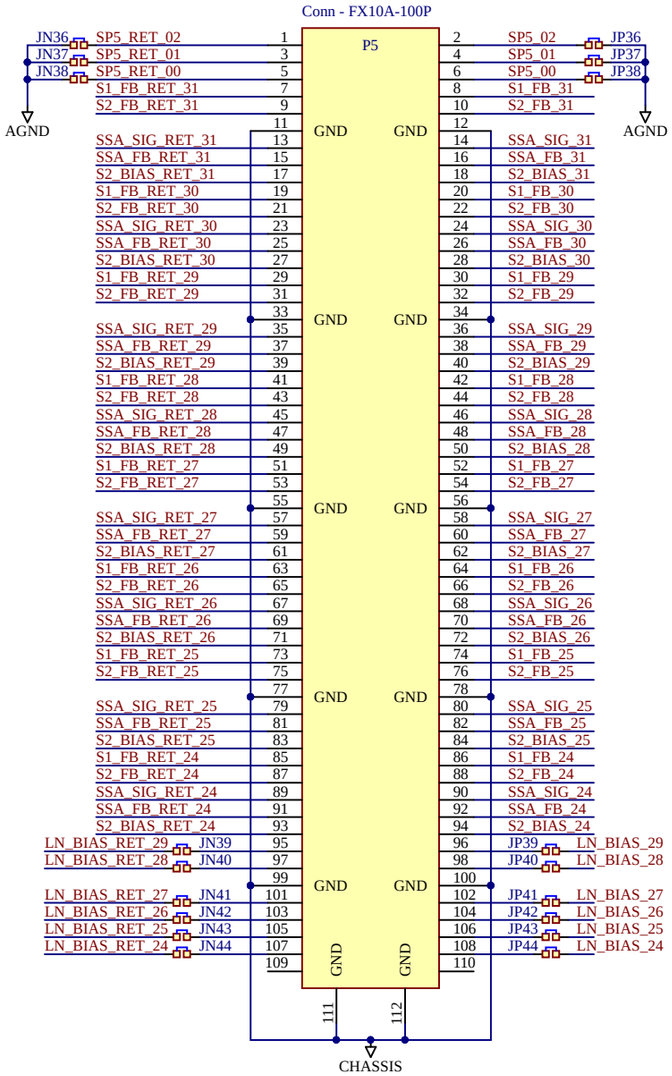
MCE Assembly #: 003161 ASY

Title	MCEv2 5 MDM Instrument Backplane		University of British Columbia
Size: B	Number: ELE-C587-201	Revision: C Issue 0	*Department of Physics & Astronomy*
Date: 4/10/2018	Time: 2:37:13 PM	Sheet 5 of 7	*MCEv2 Project*
File: C587-201_S5.SchDoc			*6224 Agricultural Road*
			Vancouver BC V6T 1Z1 Canada



MCE Assembly #: 003161 ASY

Title: *MCEv2 5 MDM Instrument Backplane*			**University of British Columbia**
Size: B	Number: ELE-C587-201	Revision: C Issue 0	*Department of Physics & Astronomy*
Date: 4/10/2018 Time: 2:37:13 PM		Sheet 6 of 7	*MCEv2 Project*
File: C587-201_S6.SchDoc			*6224 Agricultural Road*
			Vancouver BC V6T 1Z1 Canada



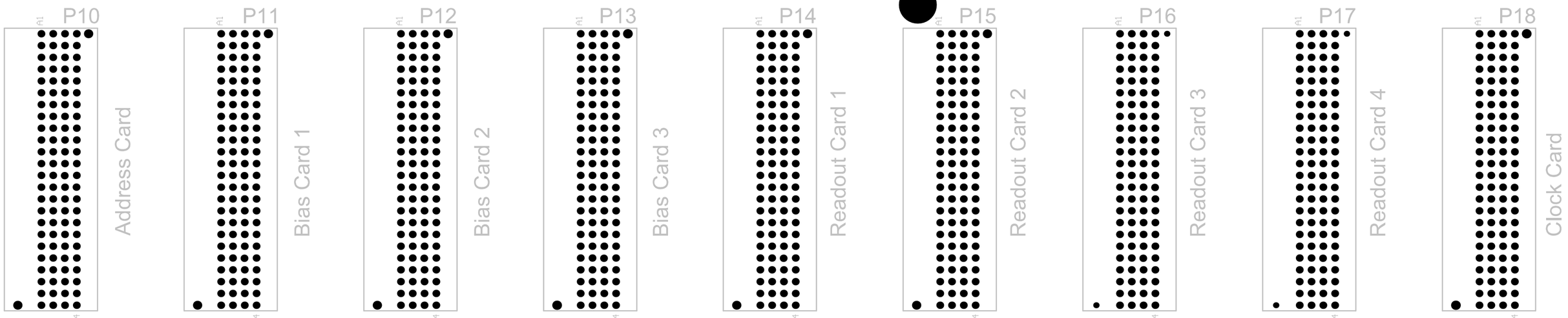
Use UBC Logo
Add Fiducial Point
Add Fiducial Point

MCE Assembly #: 003161 ASY

Title: *MCEv2 5 MDM Instrument Backplane*			**University of British Columbia**
Size: B	Number: ELE-C587-201	Revision: C Issue 0	*Department of Physics & Astronomy*
Date: 4/10/2018 Time: 2:37:13 PM		Sheet 7 of 7	*MCEv2 Project*
File: C587-201_S7.SchDoc			*6224 Agricultural Road*
			Vancouver BC V6T 1Z1 Canada

MCEv2 - 5 MDM INSTRUMENT BACKPLANE

University of British Columbia
Department of Physics & Astronomy - MCE Lab
ELE-C587-201 Rev C



003162 PCB

003161 ASY

LOGO1

Layer Name: Top Overlay
C587-201_Inst_BP.PcbDoc
Filename: Top Assembly Drawing
4/10/2018 2:37:16 PM

Layer Stack Up Detail for: C587-201_Inst_BP.PcbDoc

Layer Name
Top Layer
Sig1
Ret1
Sig2
Ret2
Sig3
Ret3
Sig4
Ret4
Bottom Layer

Layer Name: Bottom Overlay
C587-201_Inst_BP.PcbDoc
Filename: Bottom Assembly Drawing
4/10/2018 2:37:16 PM

Layer Stack Up Detail for: C587-201_Inst_BP.PcbDoc

Layer Name
Top Layer
Sig1
Ret1
Sig2
Ret2
Sig3
Ret3
Sig4
Ret4
Bottom Layer