Power connectors (front)

P1
1 A1 12P0V_CC
2 A2 12P0V_MC
3 A3 12P0V_EXT
4 A4 GND
PTSM 4pol.

P2
1 A1 3P3V_CC
2 A2 3P3V_MC
3 A3 3P3V_EXT
4 A4 GND
PTSM 4pol.

P3
1 A1 VADJ_CC
2 A2 VADJ_MC
3 A3 VADJ_EXT
4 A4 GND
PTSM 4pol.

P4
1 A1 3P3VAUX_CC
2 A2 3P3VAUX_MC
3 A3 3P3VAUX_EXT
4 A4 GND
PTSM 4pol.

Jumpers (3 pins)

J1
1 1 12P0V_CC
2 2 12P0V_MC
3 3 12P0V_EXT
TSM-103-04-T-SV

J2
1 1 3P3V_CC
2 2 3P3V_MC
3 3 3P3V_EXT
TSM-103-04-T-SV

J3
1 1 VADJ_CC
2 2 VADJ_MC
3 3 VADJ_EXT
TSM-103-04-T-SV

J4
1 1 3P3VAUX_CC
2 2 3P3VAUX_MC
3 3 3P3VAUX_EXT
TSM-103-04-T-SV

Terminology:
CC = Carrier Card
MC = Mezzanine Card
EXT = External

J5
1 1 VIO_B_M2C_MC
2 2 VIO_B_M2C_CC
3 3 VIO_B_M2C_EXT
TSM-103-04-T-SV

J6
1 1 VREF_A_M2C_MC
2 2 VREF_A_M2C_CC
3 3 VREF_A_M2C_EXT
TSM-103-04-T-SV

J7
1 1 PG_M2C_MC
2 2 PG_M2C_CC
3 3 PG_M2C_EXT
TSM-103-04-T-SV

J8
1 1 PG_C2M_CC
2 2 PG_C2M_MC
3 3 PG_C2M_EXT
TSM-103-04-T-SV

J9
1 1 PRSNT_M2C_L_MC
2 2 PRSNT_M2C_L_CC
3 3 GND
TSM-103-04-T-SV

J10
1 1 VREF_B_M2C_MC
2 2 VREF_B_M2C_CC
3 3 VREF_B_M2C_EXT
TSM-103-04-T-SV

J11
1 1 GND
2 2 PG_M2C_EXT
3 3 R1 3P3V_MC
10K 1% 0603(1608)
TSM-103-04-T-SV

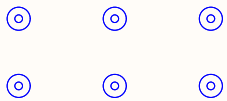
J12
1 1 GND
2 2 PG_C2M_EXT
3 3 R2 3P3V_MC
10K 1% 0603(1608)
TSM-103-04-T-SV

SDA R3 3P3V_MC
10K 1% 0603(1608)

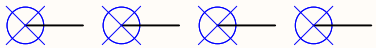
SCL R4 3P3V_MC
10K 1% 0603(1608)

VIO_B_M2C_EXT
VREF_A_M2C_EXT
VREF_B_M2C_EXT
have no connectors,
they are routed to VIAs

Fiducial marks



Mounting holes (commercial grade mounting)



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Title:	*Front panel connectors, Jumpers, Mounting holes, and Fiducials*		
Project:	FMC Power Module		
Website:	www.fmchub.com		
Date:	20.05.2022	Rev:	A
Engineer:	PFH	Sheet:	1 / 6

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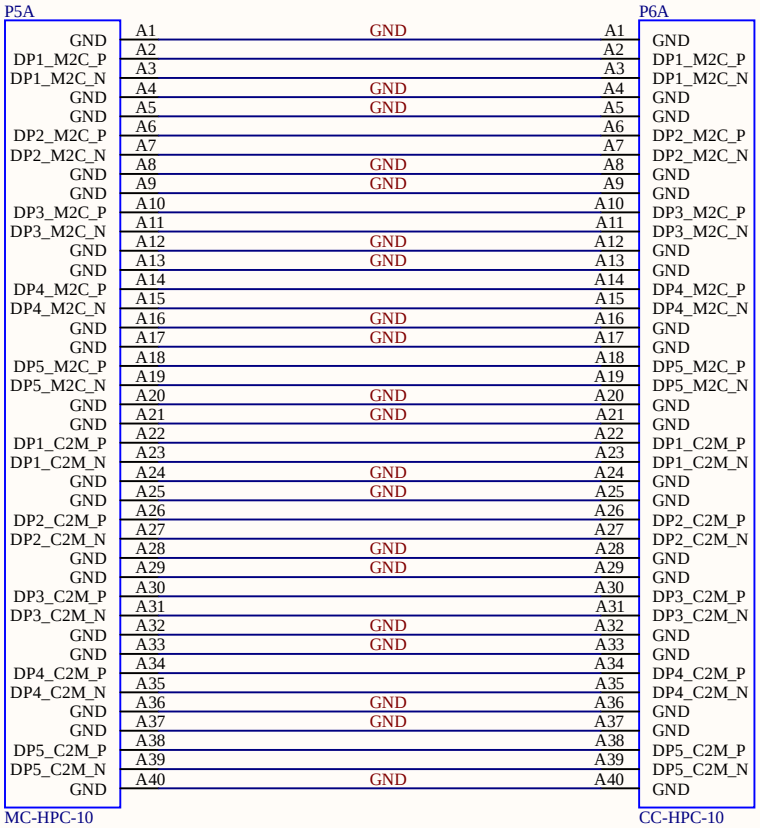
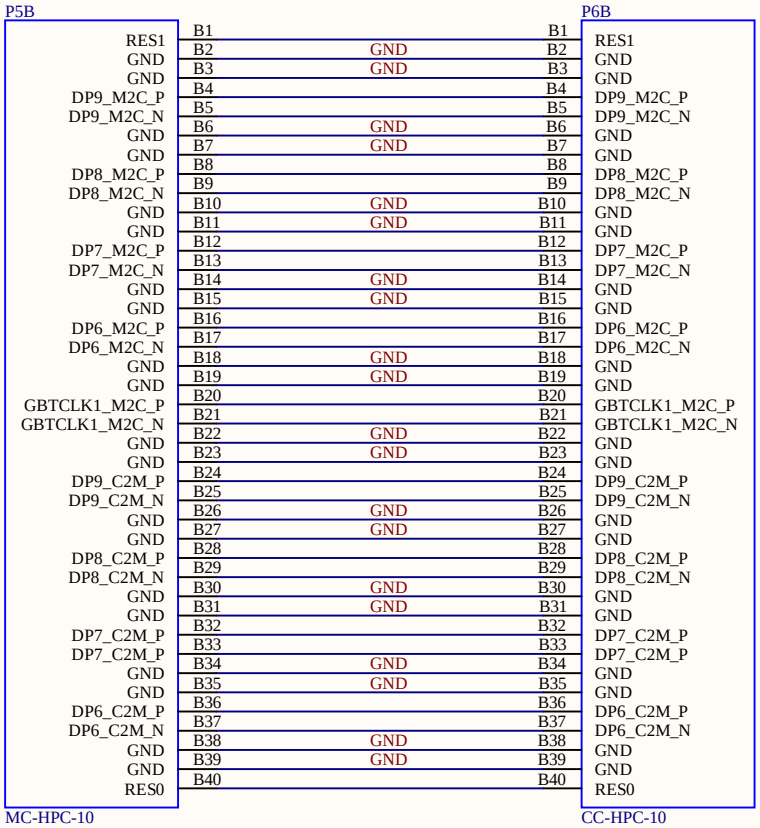
Instrumentation And Measurement Electronics





Title:	*HPC connector ROW A and ROW B*
Project:	FMC Power Module
Website:	www.iamelectronic.com
Date:	20.05.2022
Engineer:	PFH
Rev:	A
Sheet:	2 / 6

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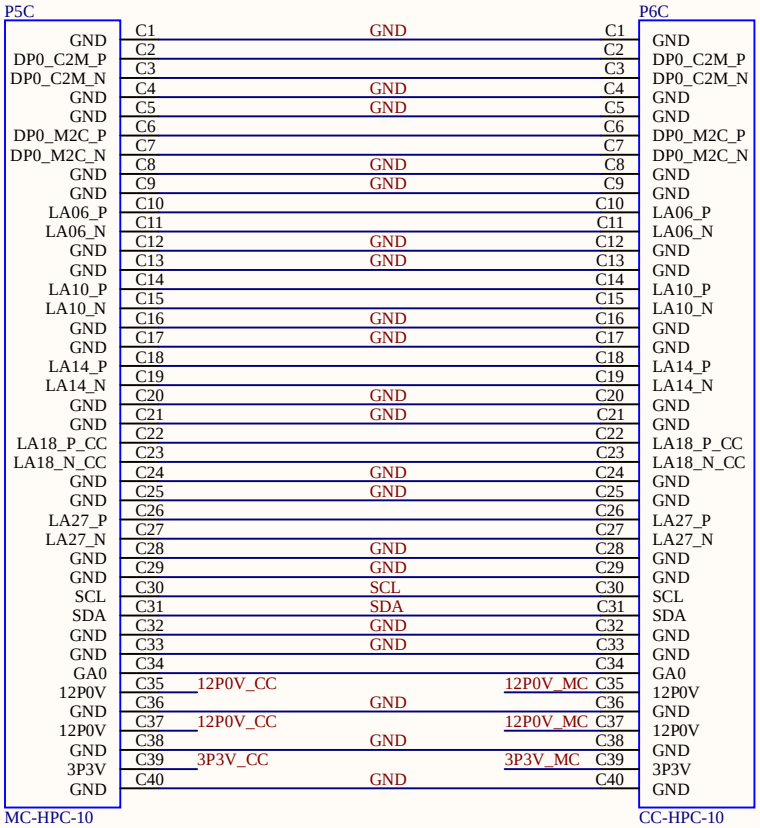
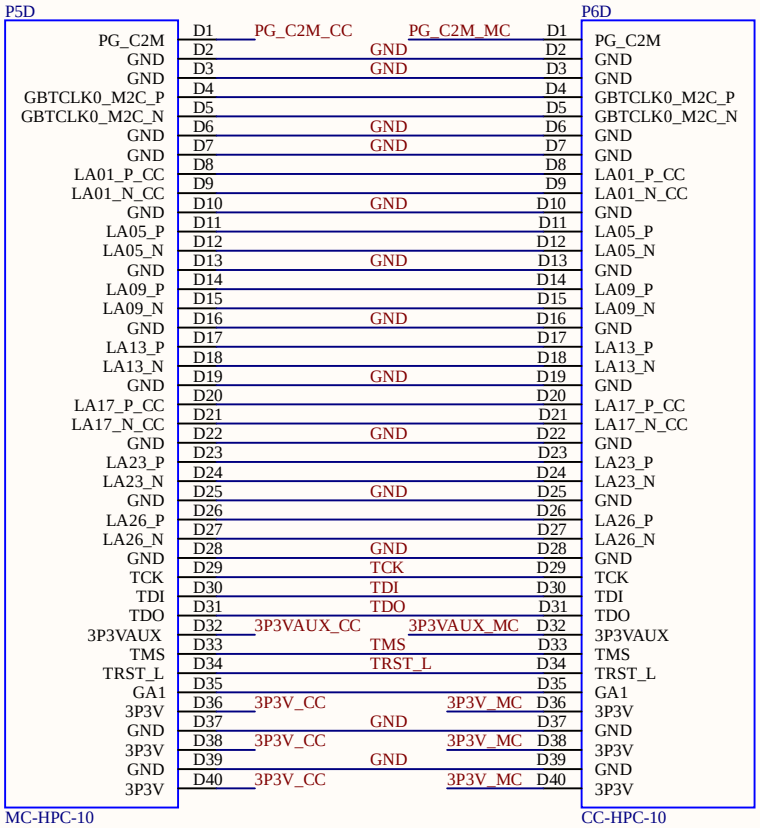
Instrumentation And Measurement Electronics





Title:	*HPC connector ROW C and ROW D*
Project:	FMC Power Module
Website:	www.iamelectronic.com
Date:	20.05.2022
Engineer:	PFH
Rev:	A
Sheet:	3 / 6

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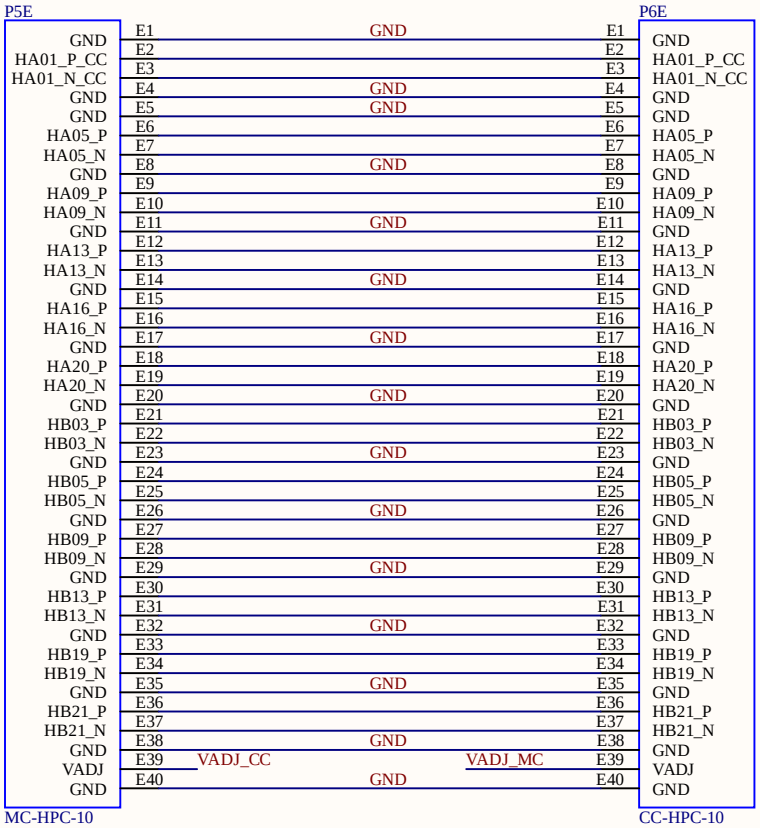
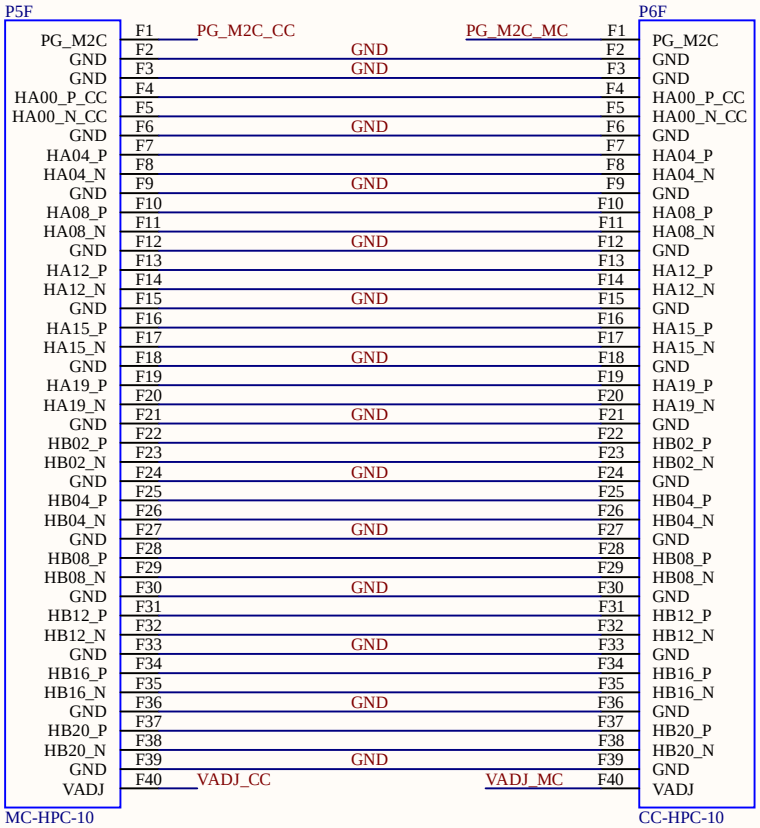
Instrumentation And Measurement Electronics





Title:	*HPC connector ROW E and ROW F*
Project:	FMC Power Module
Website:	www.iamelectronic.com
Date:	20.05.2022
Engineer:	PFH
Rev:	A
Sheet:	4 / 6

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Instrumentation And Measurement Electronics

Title:	*HPC connector ROW G and ROW H*
Project:	FMC Power Module
Website:	www.iamelectronic.com
Date:	20.05.2022
Engineer:	PFH
Rev:	A
Sheet:	5 / 6

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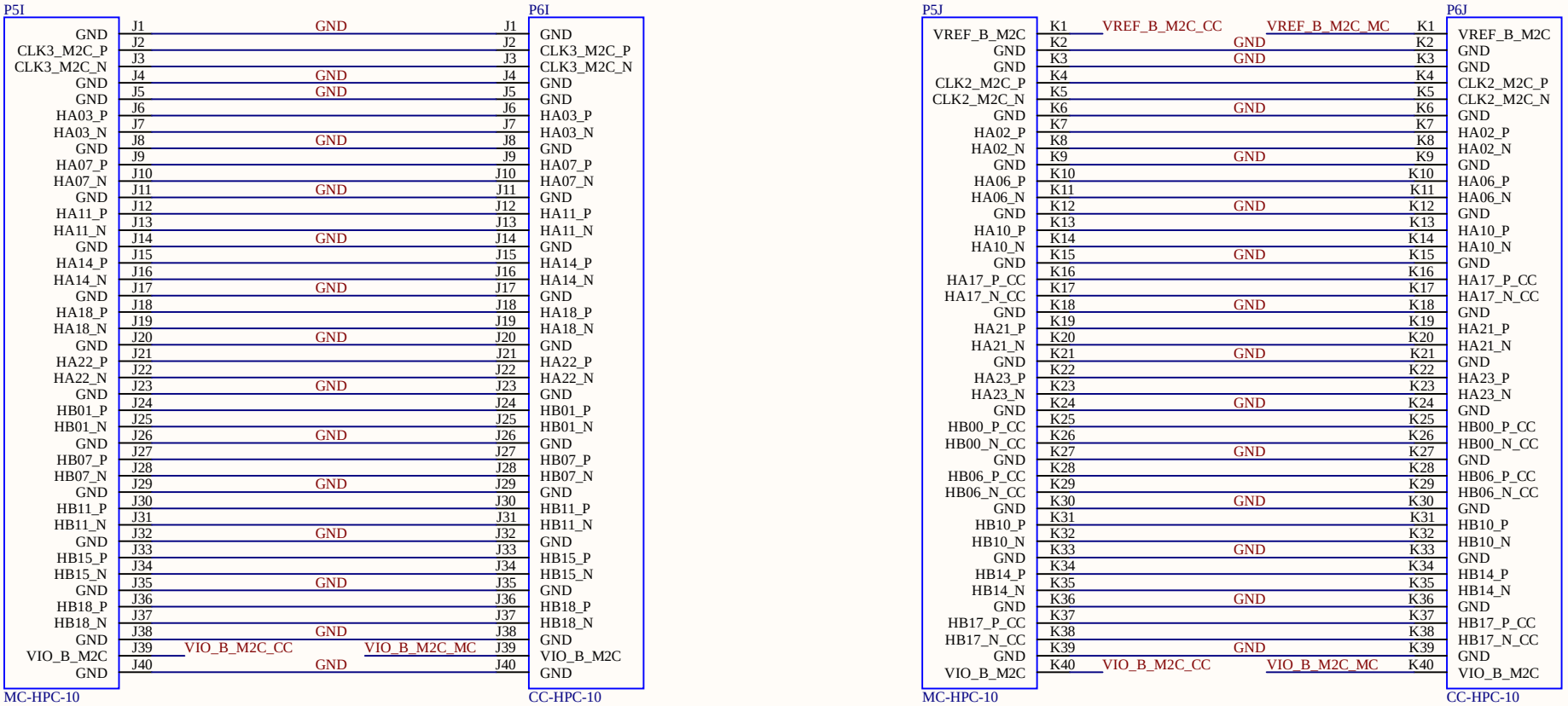
Instrumentation And Measurement Electronics



Title:	*HPC connector ROW J and ROW K*
Project:	FMC Power Module
Website:	www.iamelectronic.com
Date:	20.05.2022
Engineer:	PFH
Rev:	A
Sheet:	6 / 6

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Designator	Comment	Manufacturer	Part	Quantity
J1, J2, J3, J4, J5, J6, J7, J8, J9, J10, J11, J12	TSM-103-04-T-SV	Samtec	TSM-103-04-T-SV	12
P1, P2, P3, P4	PTSM 4pol.	Phoenix Contact	1814650	4
P5	MC-HPC-10	Samtec	ASP-134488-01	1
P6	CC-HPC-10	Samtec	ASP-134486-01	1
R1, R2, R3, R4	10K 1% 0603(1608)	Walsin	WR06X1002FTL	4