#### 4 x 5 SoM Integration Guide

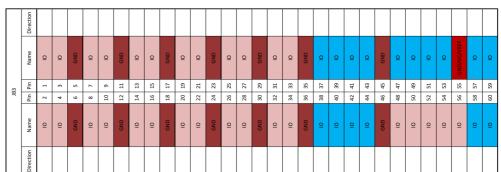
Erstellt von Antti Lukats, zuletzt geändert von John Hartfiel am 17 04, 2019

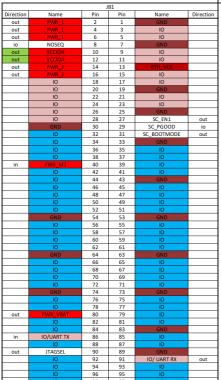
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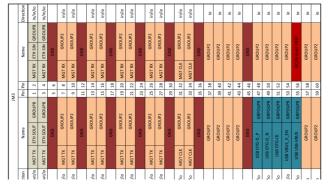


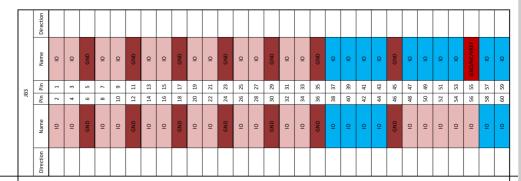
### Positions are displayed as **Top View**

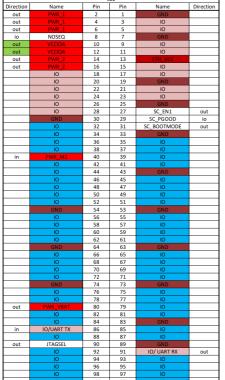


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Positions are displayed as Top View

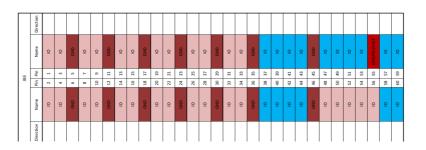


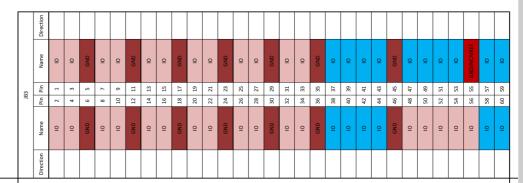
					3.3VOUT						3.3VOUT	
VCCIOC	out		6	no name / VIOTA	FMC_VADJ 2V5 3.3VOUT	VCCIO33	R25→M3.3VOUT J2B-B32	VCCIOC	J9→M3.3VOUT, M1.8VOUT R25→M3.3VOUT J2B-B32	VIOTB	FMC_VADJ 2V5 3.3VOUT	
PWR_M1	in		9,11	3.3VOUT	3.3V	3.3VOUT	3.3V	M3.3VOUT	3.3V	3.3VOUT	3.3V	
PWR_M2	in	40		VIOB	1.8V	M1.8VOUT	1.8V	M1.8VOUT	1.8V	VIOB	1.8V	
PWR_M3	in		20	NC		NC		NC		NC		
PWR_VBAT	out	80		VBAT	B1	VBAT	J7	VBAT	J7	NC		
	in		0.2									

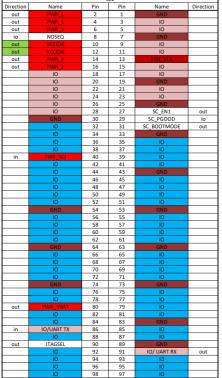
Powgneomatisen of all 4x5 carrier boards. \*Power direction based on carrier boards view. There are 4 variable user supplied I/O voltages (VCCIOA, VCCIOB, VCCIOC and VCCIOD). PWR\_1 and PWR\_2 are fixed from carrier boards. PWR\_M1 and PWR\_M2 normally use default value from module. NC=Not Connected

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# Positions are displayed as Top View

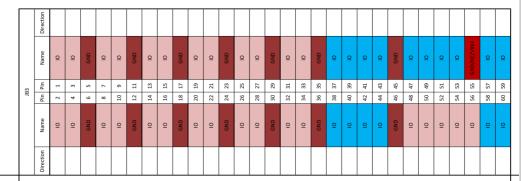


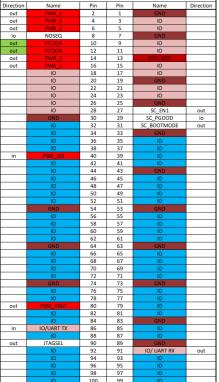
Remove 4x5 module

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ten / / 4 x 5 SoM General Documentation 4+5general carrier pinout tonview.png v 2 [A Trenz Electronic 4x5 module removal	ktuell]	0
		-

A Alwave longen the screws only a little sten by sten on that the module is evenly scrueezed out. Otherwise solder contacts can break





# Positions are displayed as Top View



#### Visual Check of Module placement

It is highly recommended to use the Base board Template designs as a starting point for new PCB designs. If that is not possible, then adding linear dimensions in the design helps to check that all connectors and mounting holes are properly placed.

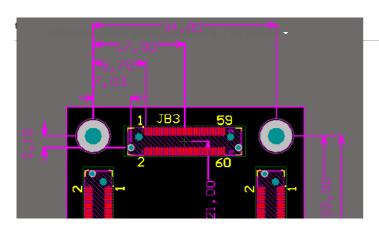
▲ This placement is same for all 4x5 Modules!

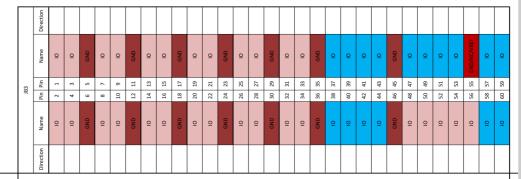
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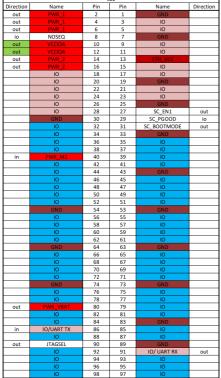
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Positions are displayed as Top View

Legend			
Power-VCC			
Power-GND			
Special			
10			
IO / Special			
VCCIOA			
VCCIOB			
VCCIOC			
VCCIOD			

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