			MCU module (2 x 20-	pin)			Status: Mandatory
	Α	Dir			В	Dir	
1	GND			2	GND		
3	UART_RX	ı	Shared UART RX	4	UART_TX	0	Shared UART TX
5	+VAUX	I/O	Backup DC power	6	NRESET	0	Master reset (active low)
7	+3V3	0	DC power	8	NFAULT	Ī	Fault (active low)
9	CH3_IRQ	Ī	#3 IRQ	10	SYNC	0	Sync output
11	CH3 CSA	0	#3 Chip select A	12	SSCL	0	Shared I ² C SCL
13	CH3_CSA	0	#3 Chip select B	14	SSDA	1/0	Shared I ² C SDA
15	GND		#3 Chip Select B	16	GND	1/0	Shared I C SDA
			#2 CDL CL K				//2 M//CO
17	CH3_SCLK	0	#3 SPI CLK	18	CH3_MISO	-	#3 MISO
19	CH2_IRQ	ı	#2 IRQ	20	CH3_MOSI	0	#3 MOSI
21	CH2_CSB	0	#2 Chip select B	22	CH2_CSA	0	#2 Chip select A
23	CH2_SCLK	0	#2 SPI CLK	24	CH2_MISO	- 1	#2 MISO
25	CH1_IRQ	I	#1 IRQ	26	CH2_MOSI	0	#2 MOSI
27	CH1_CSB	0	#1 Chip select B	28	CH1 CSA	0	#1 Chip select A
29	GND		•	30	GND		•
31	CH1 MISO	1	#1 MISO	32	CH1_SCLK	0	#1 SPI CLK
33	CH1_MOSI	0	#1 MOSI	34	GND	Ü	"I SI I SER
		J			+5V		DC nower
35	+5V	!	DC power	36			DC power
37	+12V	ı	DC power	38	+12V	ı	DC power
39	GND			40	GND		
		_		44			Ctatus: Mandaton
	Α	Dir	Peripheral modules (2 x	14-p	B B	Dir	Status: Mandatory
1	+3V3	I	DC power	2	+VAUX		Backup DC power
3	NFAULT	1/0	Fault (active low)	4	NRESET	i	Master reset (active low)
5	SSCL	1/ 0	Shared I ² C SCL	6	SYNC	i	Sync input
		'	Shared I C SCL			-	
7	GND		Maril In Old and A	8	SSDA		Shared I ² C SDA
9	CSA	ı	Module Chip select A	10	IRQ	0	Module IRQ
11	GND			12	CSB	ı	Module Chip select B
13	SCLK	ı	Module SPI CLK	14	MISO	0	Module MISO
15	MOSI	ı	Module MOSI	16	GND		
17	A0	ı	I ² C Address 0	18	A2	- 1	I ² C Address 2
19	A1	- 1	I ² C Address 1	20	GND		
21	+12V	- 1	DC power	22	+12V	- 1	DC power
23	+5V	ı	DC power	24	+5V	- 1	DC power
25	GND		2 0 perre.	26	BOOT	i	Module bootloader select
27	UART_TX	0	Shared UART TX	28	UART_RX	i	Shared UART RX
	Orici_ix	O	Sharea GART TA	20	OAICI_IOC	'	Sharea OART TO
							Status: Recommended
	Α	Dir			В	Dir	
1	PE			2	MBOOT	0	Master bootloader select
3	+12V	0	DC power	4	+12V	0	DC power
5	+5V	0	DC power	6	+5V	0	DC power
7	GND			8	GND		
9	GND			10	+VAUX	I/O	Backup DC power
11	PWR SSTART	ı	AC soft-start	12	PWR DIRECT	- 1	AC power on
13	SSCL	ı	Shared I ² C SCL	14	SSDA	I/O	Shared I ² C SDA
15	NFAULT	I/O	Fault (active low)	16	+3V3	1	DC power
Power source module (2 x 10-pin)							Status: Optional
	A	Dir	Daniel and Market		В	Dir	Danisa and Maria
1	IN+	!	Power positive input	2	IN+	!	Power positive input
3	IN+	ı	Power positive input	4	IN+	ı	Power positive input
5	IN+	ı	Power positive input	6	OUT+	0	Power positive output
7	OUT+	0	Power positive output	8	OUT+	0	Power positive output
9	OUT+	0	Power positive output	10	OUT+	0	Power positive output
11	OUT-	0	Power negative output	12	OUT-	0	Power negative output
13	OUT-	0	Power negative output	14	OUT-	0	Power negative output
15	OUT-	0	Power negative output	16	IN-	Ī	Power negative input
17	IN-	ĭ	Power negative input	18	IN-	l i	Power negative input
19	IN-		Power negative input	20	IN-		Power negative input
Ta	II V	1 1	i owei negative iliput	20	11 N -	1 1	ı owei negative iliput

Notes:

If two or more modules have to be galvanically isolated (e.g. like in case of power modules with floating outputs) use appropriate isolators for control and data lines (e.g. Silabs Si86xx, Maxim MAX14850).

EEZ DIB (DIY Instrumentation Bus) pin mappings v1.0 (DRAFT2 15.06.2019)