



#### Slave Module Pinout

	C	B	A	
C1	SLOT_ID#2	SLOT_ID#3	CHASSIS	A1
C2	PSV			A2
C3	DGND			A3
C4	SLOT_ID#0	SLOT_ID#1	UART_CTS	A4
C5	PWR_DIO#0			A5
C6	P24V			A6
C7	DGND			A7
C8	PWR_DIO#1			A8
C9	DIO#0	DIO#1	UART_TX	A9
C10	N5V			A10
C11	DGND			A11
C12	PWR_DIO#2			A12
C13	PWR_DIO#3			A13
C14	PWRGOOD	SYNC_P	SYNC_N	A14
C15	PWR_DIO#4			A15
C16	UTB#0	UTB#1	UART_RX	A16
C17	UTB#2	UTB#3	DIO#2	A17
C18	UTB#4	UTB#5	DIO#3	A18
C19	UTB#6	UTB#7	UART_RTS	A19
C20	UTB#8	UTB#9	/STATUS	A20
C21	UTB#10	UTB#11	I2C_SDA	A21
C22	UTB#12	UTB#13	I2C_SCL	A22
C23	UTB#14	UTB#15	/SLOT	A23
C24	AGND			A24
C25	PWR_AIO#0			A25
C26	PWR_AIO#1			A26
C27	P15V			A27
C28	AGND			A28
C29	AIO#0	AIO#1	AIO#2	A29
C30	PWR_AIO#2			A30
C31	N15V			A31
C32	AGND			A32

#### Master Module Pinout

	C	B	A	
C1	/CTS#0	/CTS#1	CHASSIS	A1
C2	PSV			A2
C3	DGND			A3
C4	/CTS#2	/CTS#3	/CTS#4	A4
C5	/CTS#5	/CTS#6	/CTS#7	A5
C6	P24V			A6
C7	DGND			A7
C8	TX#0	TX#1	TX#2	A8
C9	TX#3	TX#4	TX#5	A9
C10	N5V			A10
C11	DGND			A11
C12	TX#6	TX#7	RX#0	A12
C13	RX#1	RX#2	RX#3	A13
C14	PWRGOOD	SYNC_P	SYNC_N	A14
C15	PWR_DIO#4			A15
C16	RX#4	RX#5	RX#6	A16
C17	RX#7	DIO#0	DIO#1	A17
C18	/STATUS#0	DIO#2	DIO#3	A18
C19	/STATUS#1	NC	NC	A19
C20	/STATUS#2	/STATUS#3	/STATUS#4	A20
C21	/STATUS#5	/STATUS#6	/STATUS#7	A21
C22	/SLOT#0	I2C_SDA	I2C_SCL	A22
C23	/SLOT#1	/SLOT#2	/SLOT#3	A23
C24	AGND			A24
C25	/SLOT#4	/SLOT#5	/SLOT#6	A25
C26	/SLOT#7	/RTS#0	/RTS#1	A26
C27	P15V			A27
C28	AGND			A28
C29	/RTS#2	/RTS#3	/RTS#4	A29
C30	/RTS#5	/RTS#6	/RTS#7	A30
C31	N15V			A31
C32	AGND			A32

#### Notes

- ① Modular instrument connector (cf slave pinout).
- ② Communications module connector (cf master pinout). Rightmost position only.
- ③ Slot position code - The 4 lines (ID#0 - ID#3) are tied to the digital ground according to the slot's number. These connections are fixed by the backplane's printed circuit board.
- ④ Power terminal blocks - The DC power supplies and the chassis/earth wires are connected to the backplane's printed circuit board using these terminals.
- ⑤ Digital ground plane - Providing both low-impedance return path and shielding, this copper plane is connected to the star grounding point located under the terminal blocks.
- ⑥ Analog ground plane - Providing both low-impedance return path and shielding, this copper plane is connected to the star grounding point located under the terminal blocks.
- ⑦ 2x8 pin header - These pins are routed to the module specific lines (UTB#0 - UTB#15). Because they are located on the backplane's rear side, these terminals can be used either for module-to-module interconnections or module-to-rear-panel connections.

#### Backplane Configuration

Backplane P/N	Pitch	Slave slot	Master Slot
SBK42	4HP (20.32mm)	8 (#0-7)	1
SBK28	4HP (20.32mm)	5 (#0-4)	1

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Title/Name		Release
SBK-Series Backplane.		SPK-R24A
Description		
Backplane Interconnections		
Drawing No.		
SBK-SG01-P24A		
Sheet Size	Sheet No.	
A3	1 of 1	
APP'D By		
DRN By	GGB	24-02-22
Name	Date	YY-MM-DD
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A3	1 of 1
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