3.10 Pin Assignment of the DCC 110 Backplane Bus

Actual pins needed for normal operation of the DCC 110 are marked with a grey background color. (VG-64-a/c standard connector according IEC 60603-2)

general digital GND	1a	=	1c	
Digital Signals (not used)				
D #0	2a		2c	D #1
D #2	3a		3c	D #3
D #4	4a		4c	D #5
D #6	5a		5c	D #7
Analog Signals				
DA #0, (e.g. SC 110 out Channel 1)	6a		6c	DA #1 (e.g. SC 110 out Channel 2)
DA #2	7a		7c	DA #3
Address Lines (not used)				
A #0	10a		10c	A #1
A #2	11a		11c	A #3
A #4	12a		12c	A #5
A #6	13a		13c	A #7
read/write r/-w	14a		14c	Address Enable AEN
Indicated Parameter				
Photo Diode Channel 1 (DCC)	8a		8c	(DCC) Photo Diode Channel 2
U_{max} Channel 1 (DCC)	9a		9c	(DCC) U_{max} Channel 2
$I(TEC)_{max}$ Channel 1 (DTC)	15a		15c	(DTC) $I(TEC)_{max}$ Channel 2
T_{max} Channel 1 (DTC)	16a		16c	(DTC) T_{max} Channel 2
I_{max} Channel 1 (DCC)	17a		17c	(DCC) I_{max} Channel 2
T_{min} Channel 1 (DTC)	18a		18c	(DTC) T_{min} Channel 2
I_{set} Channel 1 (DCC)	19a		19c	(DCC) I_{set} Channel 2
T_{set} Channel 1 (DTC)	20a		20c	(DTC) T_{set} Channel 2
I_{act} Channel 1 (DCC)	21a		21c	(DCC) I_{act} Channel 2
T_{act} Channel 1 (DTC)	22a		22c	(DTC) T_{act} Channel 2
I_{TEC} Channel 1 (DTC)	23a		23c	(DTC) I_{TEC} Channel 2
HV ON	24a	=	24c	HV ON
- Power (8 V) (floating if no DCC 110/3A implemented)	25a	=	25c	- Power (8 V) (floating if no DCC 110/3A implemented)
HV + Supply	26a	=	26c	HV + Supply
Error beep	27a		27c	(Error LED on, when GND) Blink
Analog GND	28a		28c	(Remote On/Off (low)) Power down
+ U_{ref}	29a		29c	- U_{ref}
General supply lines				
-15 V stabilized	30a	=	30c	
+15 V stabilized	31a	=	31c	
+ Power (8 V) (floating if no DCC 110/3A implemented)	32a	=	32c	+ Power (8 V) (floating if no DCC 110/3A implemented)

= lines connected on backplane