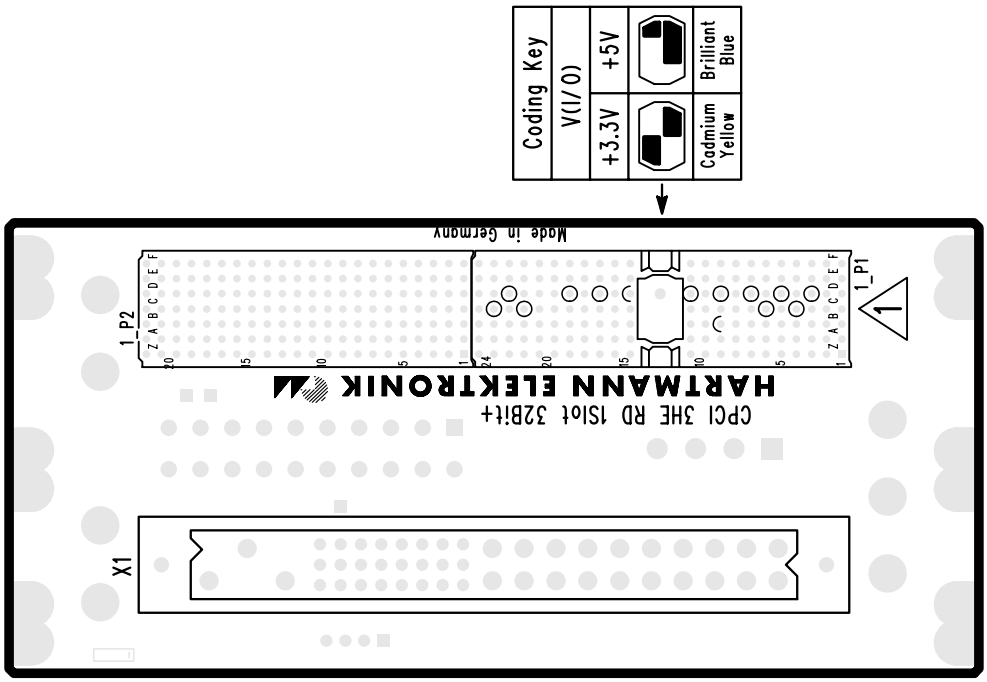
All rights reserved



TOP VIEW

Silkscreen Top
Pads Top

Hartmann Elektronik
CPCI 3HE RD 1Slot 32Bit+
BP7 Rev.BA

				2009	Date	Name
				Author	31.07.	Wiedmann
				Check	31.07.	Wiedmann
						DIN A4
						M 1:1

Title: Hartmann Elektronik
CPCI 3HE RD 1Slot 32Bit+
BP7 Rev.BA

Rev	Description	Date	Name

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Number | Sheet | of

Device: HE-C33RD014--4 | File: BP7

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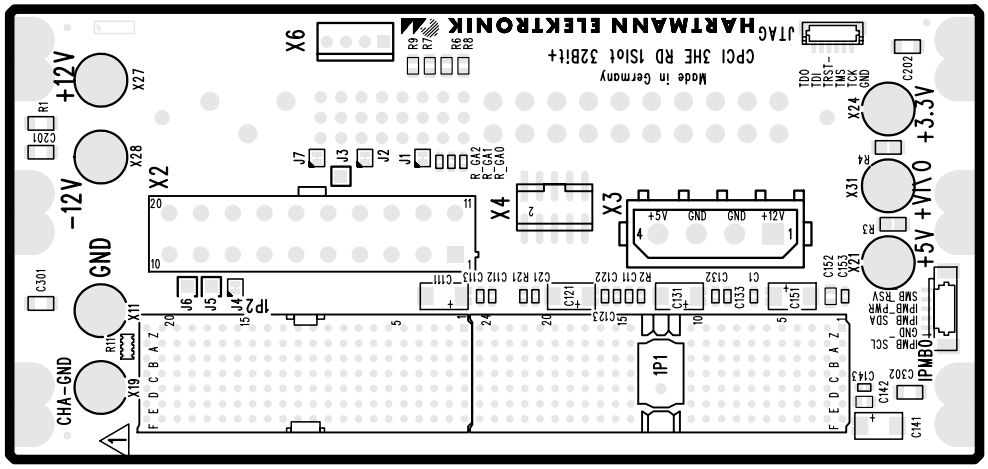
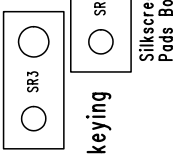
BOTTOM VIEW



Without geographic adressing on request

Shrouds 1P1
on request



Busbar for +5V keying

Busbar for +3.3V keying

Silkscreen Bottom
Pads Bottom

Hartmann Elektronik
CPCI 3HE RD 1Slot 32Bit+
BP7 Rev.BA

				2009	Date	Name	Title: Hartmann Elektronik
				Author	31.07.	Wiedmann	CPCI 3HE RD 1Slot 32Bit+
				Check	31.07.	Wiedmann	BP7 Rev.BA
						DIN A4 M 1:1	
Rev	Description	Date	Name	HARTMANN ELEKTRONIK MOTORSTRASSE 43 D-70499 STUTTGART			Number / Sheet / of
							Device: HE-C33RD014--4 File: BP7

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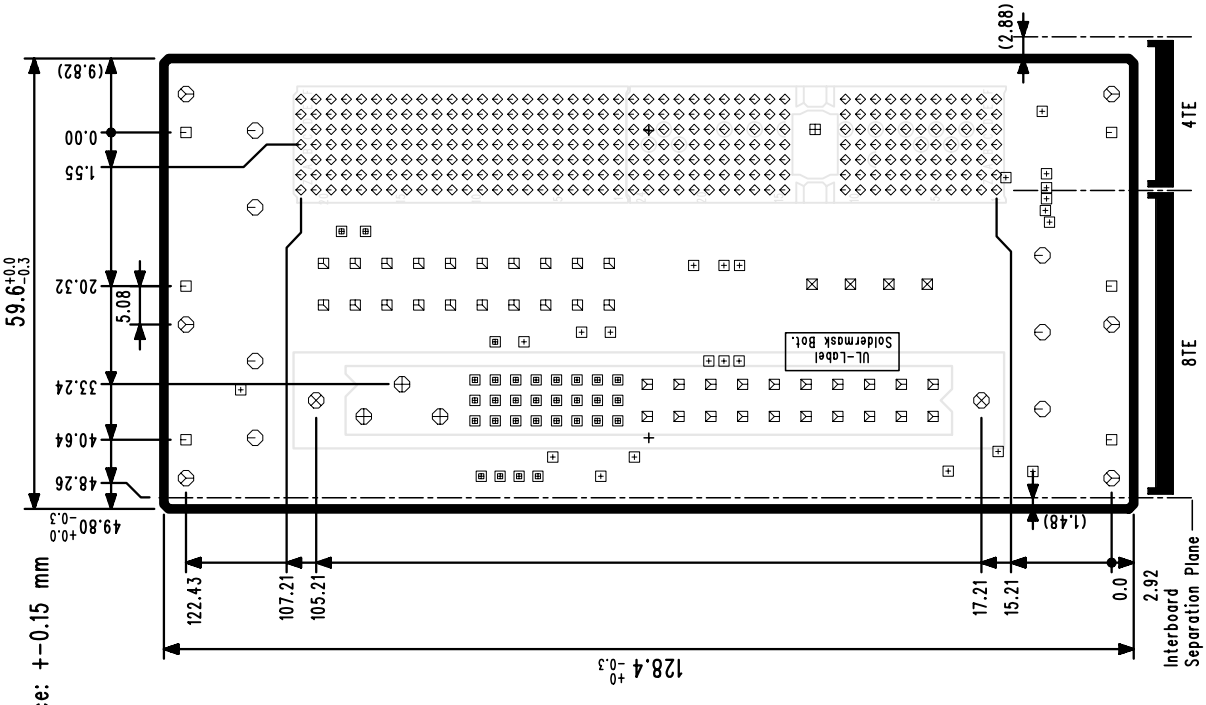

Common Tolerance: +-0.15 mm

Hartmann Elektronik
CPCI 3HE RD 1Slot 32Bit+
BP7 Rev.BA

				2009	Date	Name	Title: Hartmann Elektronik CPCI 3HE RD 1Slot 32Bit+ BP7 Rev.BA
				Author	31.07.	Wiedmann	
				Check	31.07.	Wiedmann	
						DIN A4 M 1:1	
				HARTMANN ELEKTRONIK MOTORSTRASSE 43 D-70499 STUTTGART			Number / Sheet / of
Rev	Description	Date	Name				Device: HE-C33RD014--4 File: BP7

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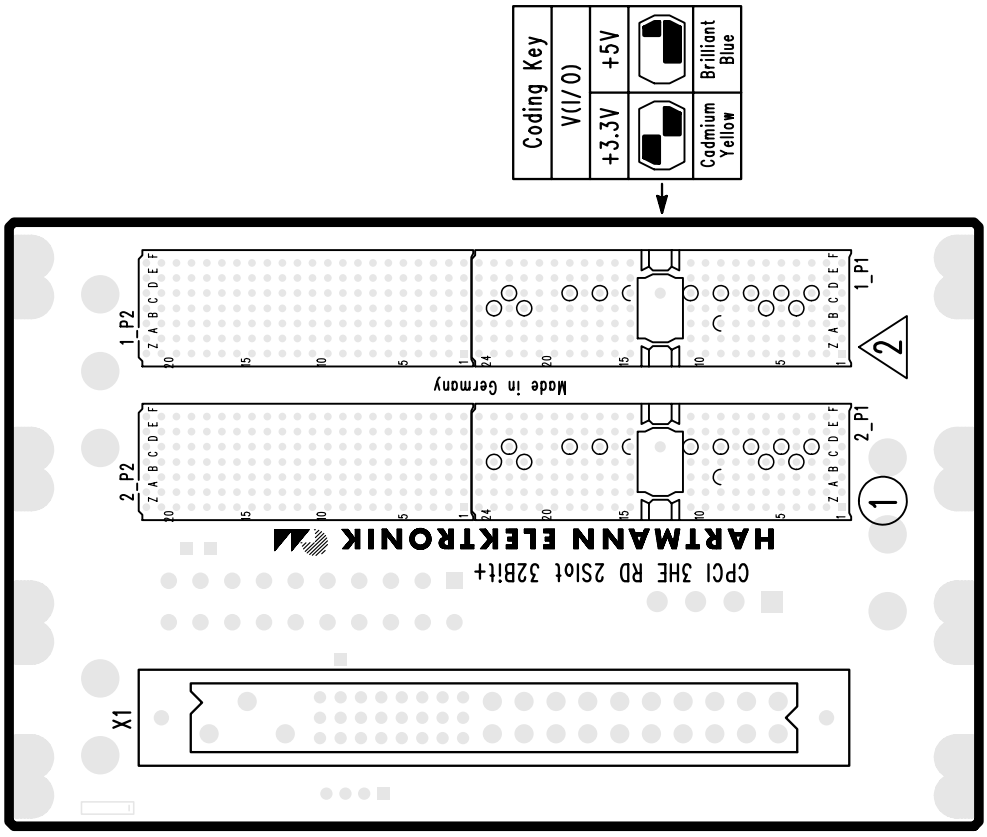

TOP VIEW

Silkscreen Top
Pads Top

Hartmann Elektronik
CPCI 3HE RD 2Slot 32Bit+
BP6 Rev.BA

				2009	Date	Name
				Author	28.07.	Wiedmann
				Check	28.07.	Wiedmann
						DIN A4
						M 1:1

Title: Hartmann Elektronik
CPCI 3HE RD 2Slot 32Bit+
BP6 Rev.BA

Rev	Description	Date	Name

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Number | Sheet | of

Device: HE-C33RD024--4 | File: BP6

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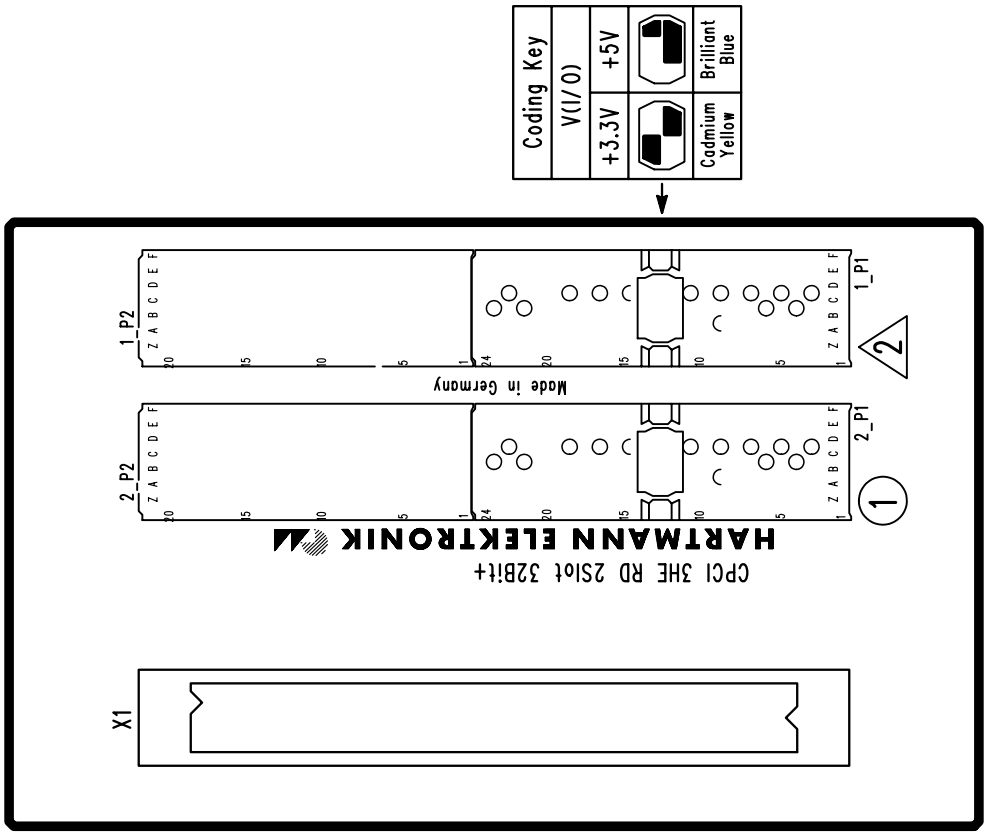
TOP VIEW



Silkscreen Top

Hartmann Elektronik
CPCI 3HE RD 2Slot 32Bit+
BP6 Rev.BA

				2009	Date	Name	Title: Hartmann Elektronik CPCI 3HE RD 2Slot 32Bit+ BP6 Rev.BA
				Author	28.07.	Wiedmann	
				Check	28.07.	Wiedmann	
						DIN A4 M 1:1	
				HARTMANN ELEKTRONIK MOTORSTRASSE 43 D-70499 STUTTGART			Number / Sheet / of
Rev	Description	Date	Name				Device: HE-C33RD024--4 File: BP6

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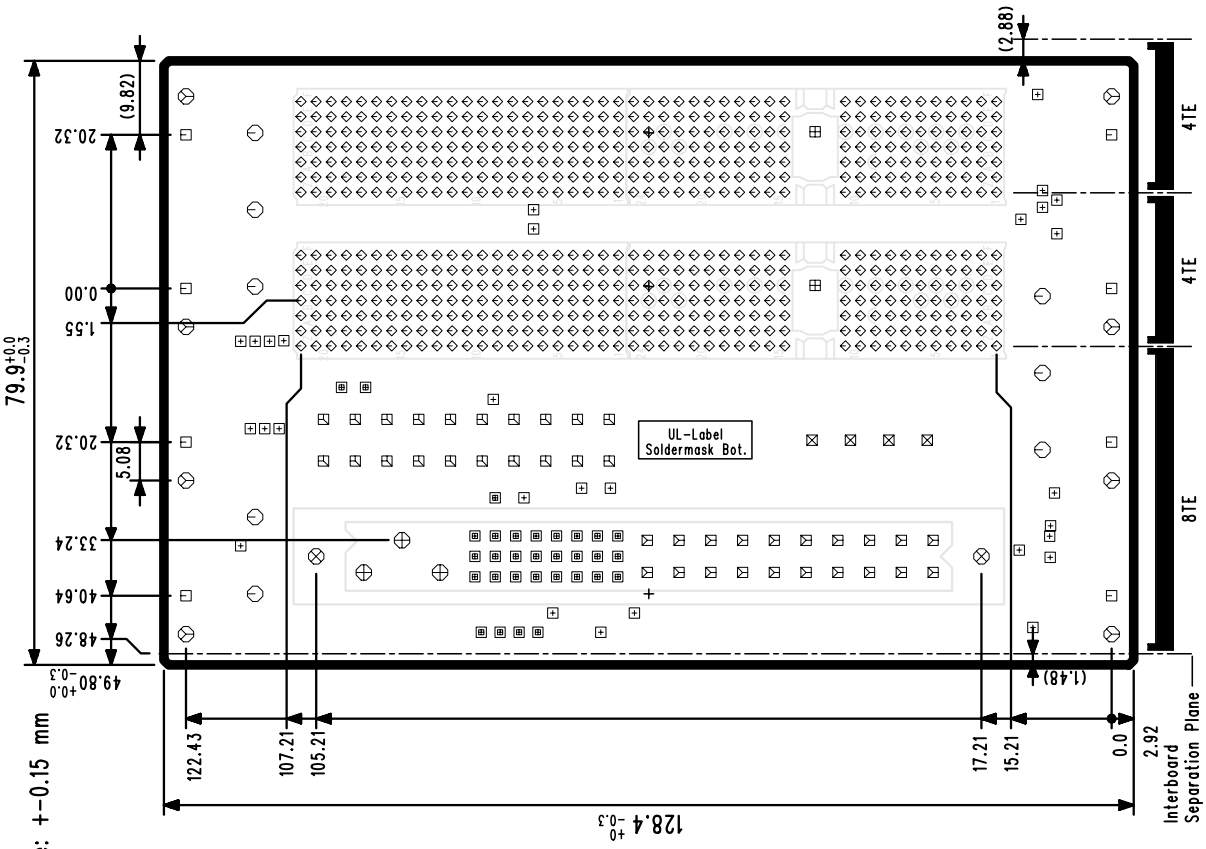

Common Tolerance: +-0.15 mm

Hartmann Elektronik
CPCI 3HE RD 2Slot 32Bit+
BP6 Rev.BA

Rev	Description	Date	Name

	Date	Name
2009		
Author	28.07.	Wiedmann
Check	28.07.	Wiedmann

DIN A4
M 1:1

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Title: Hartmann Elektronik
CPCI 3HE RD 2Slot 32Bit+
BP6 Rev.BA

Number | Sheet | of

Device: HE-C33RD024--4 | File: BP6

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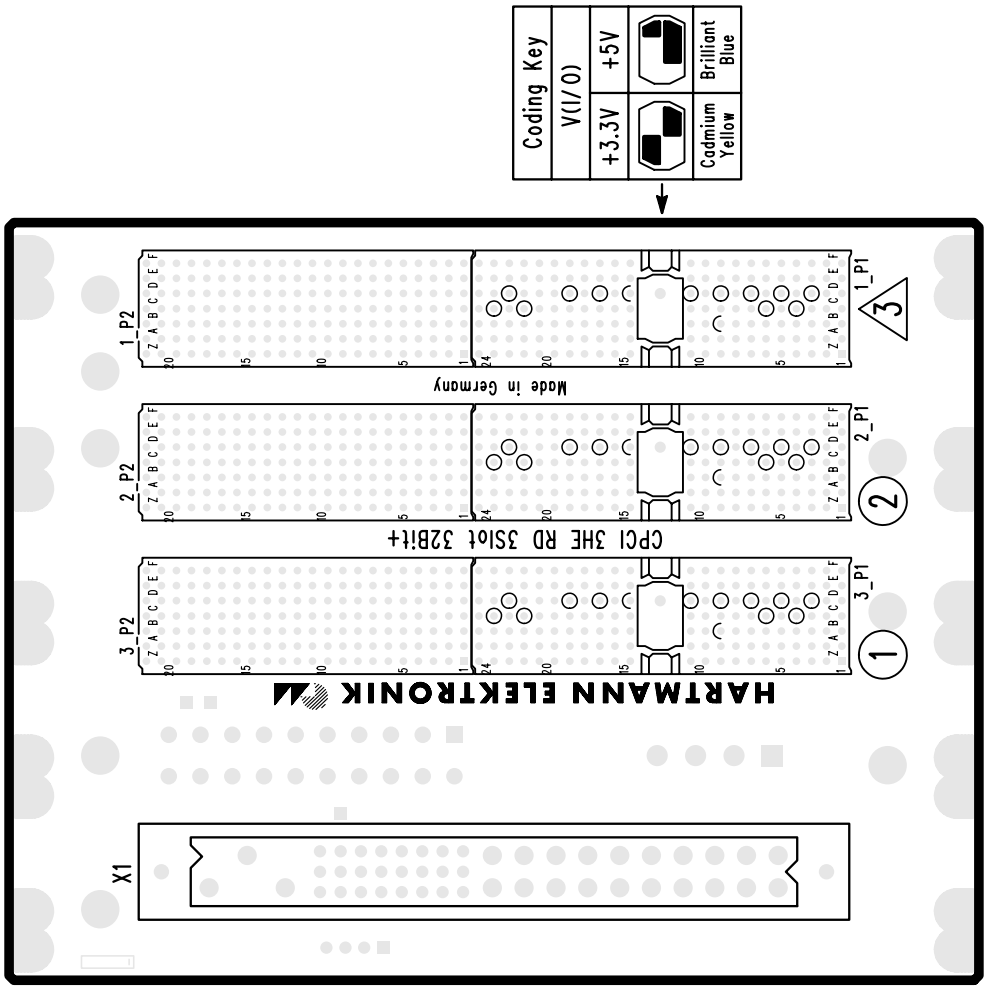
TOP VIEW



Silkscreen Top
Pads Top

Hartmann Elektronik
CPCI 3HE RD 3Slot 32Bit+
BUS845 Rev.BA

				2004	Date	Name	Title: Hartmann Elektronik
				Author	10.09.	Wiedmann	CPCI 3HE RD 3Slot 32Bit+
				Check	10.09.	Wiedmann	BUS845 Rev.BA
						DIN A4 M 1:1	
Rev	Description	Date	Name	HARTMANN ELEKTRONIK MOTORSTRASSE 43 D-70499 STUTTGART			Number / Sheet / of
							Device: HE-C33RD034--4 File: BUS845BA

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Without geographic adressing on request

BOTTOM VIEW

Shrouds 1P1- 3P1
on request

Busbar for +5V keying

Busbar for +3.3V keying

Silkscreen Bottom
Pads Bottom

Hartmann Elektronik
CPCI 3HE RD 3Slot 32Bit+
BUS845 Rev.BA

Rev	Description	Date	Name

	2004	
Author	10.09.	Wiedmann
Check	10.09.	Wiedmann

DIN A4
M 1:1

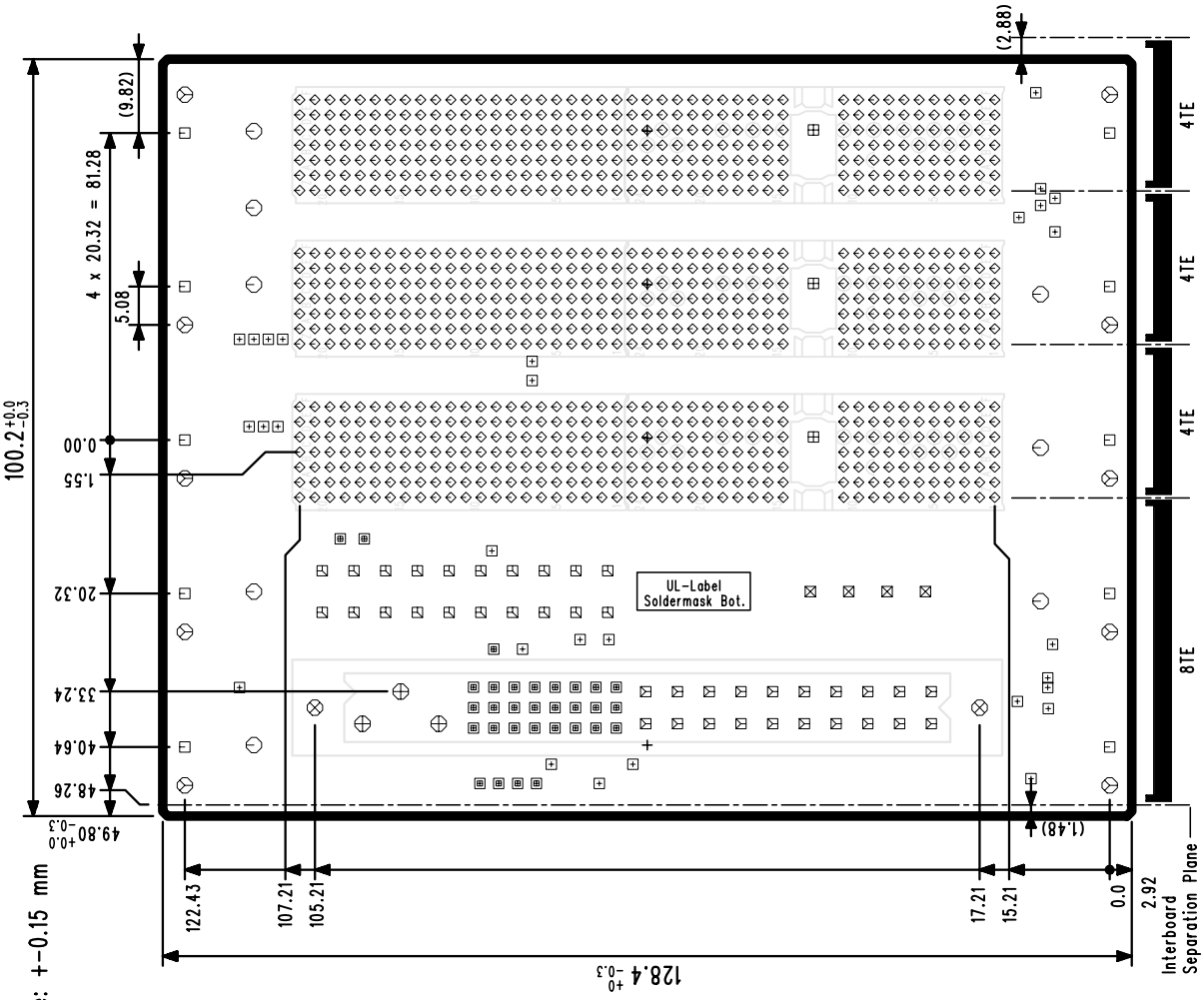
HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Title: Hartmann Elektronik
CPCI 3HE RD 3Slot 32Bit+
BUS845
Rev.BA

Number:

Device: HE-C33RD034--4 File: BUS845BA

Sheet of



Common Tolerance: +-0.15 mm

Hartmann Elektronik
CPCI 3HE RD 3Slot 32Bit+
BUS845 Rev.BA

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	Date	Name
2004		
Author	10.09.	Wiedmann
Check	10.09.	Wiedmann

DIN A4
M 1:1

Title: Hartmann Elektronik
CPCI 3HE RD 3Slot 32Bit+
BUS845 Rev.BA

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Number

Sheet of

Rev	Description	Date	Name

Device: HE-C33RD034--4 File: BUS845BA

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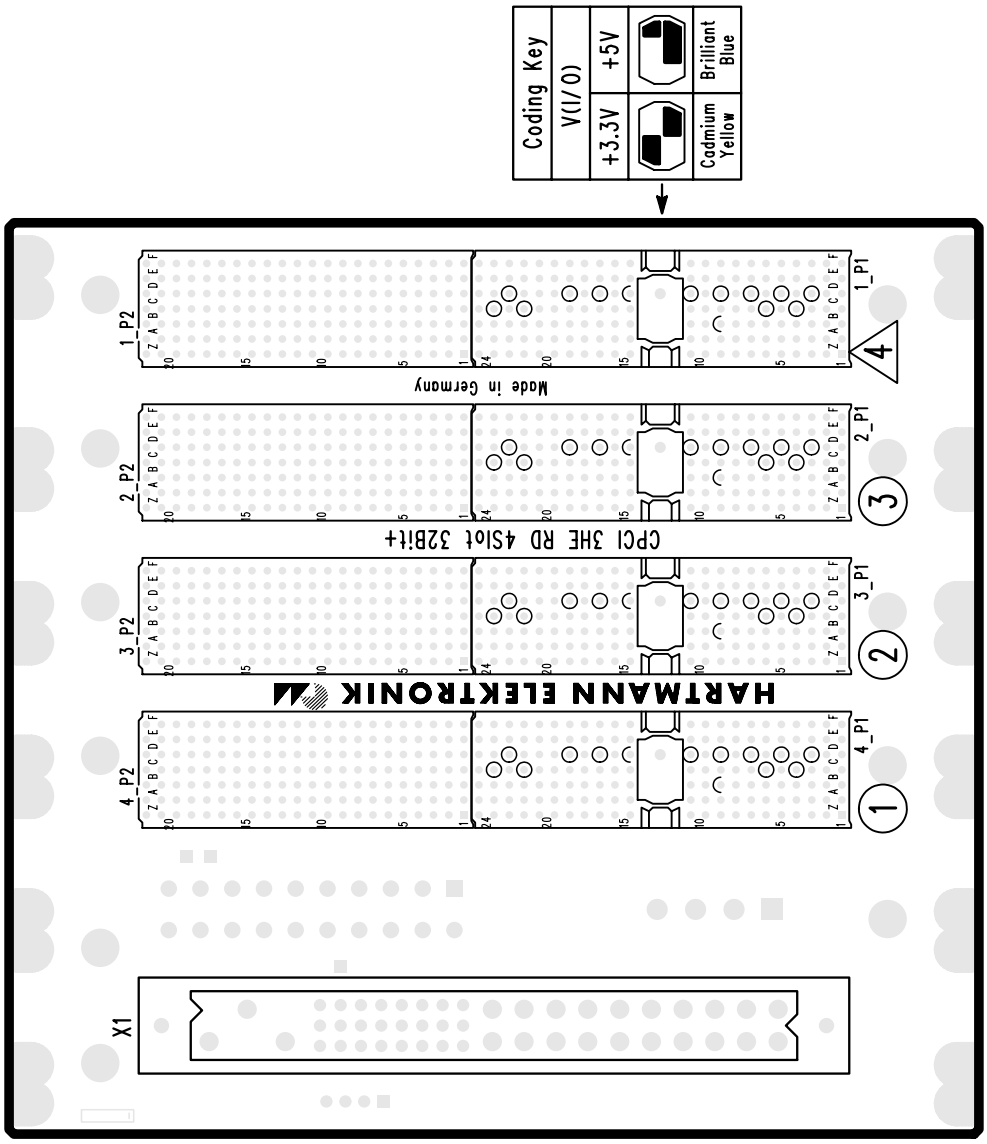
TOP VIEW



Silkscreen Top
Pads Top

Hartmann Elektronik
CPCI 3HE RD 4Slot 32Bit+
BUS844 Rev.BA

				2007	Date	Name	Title: Hartmann Elektronik
				Author	15.06.	Wiedmann	CPCI 3HE RD 4Slot 32Bit+
				Check	15.06.	Wiedmann	BUS844 Rev.BA
						DIN A4 M 1:1	
Rev	Description	Date	Name	HARTMANN ELEKTRONIK MOTORSTRASSE 43 D-70499 STUTTGART			Number / Sheet / of
							Device: HE-C33RD044--4 File: BUS844BA

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Without geographic adressing on request

BOTTOM VIEW

X4 Pin Assignment

Pin	Signal	Pin	Signal
1	PRST-	2	FAL-
3	DEG-	4	+3.3V-Sense
5	+3.3V	6	GND-Sense (+3.3V)
7	+5V	8	+5V-Sense
9	GND	10	GND-Sense (+5V)

Shrouds 1P1- 4P1
on request

IPMB0
Pin Assignment

Pin	Signal
1	IPMB_SCL
2	GND
3	IPMB_SDA
4	IPMB_PWR
5	SMB_RSV

JTAG
Pin Assignment

Pin	Signal
1	GND
2	TCK
3	TMS
4	TRST-
5	TDI
6	TDO

Busbar for +5V keying

Busbar for +3.3V keying

Silkscreen Bottom
Pads Bottom

Hartmann Elektronik
CPCI 3HE RD 4Slot 32Bit+
BUS844 Rev.BA

Rev	Description	Date	Name

Author	15.06.	Wiedmann
Check	15.06.	Wiedmann

2007

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

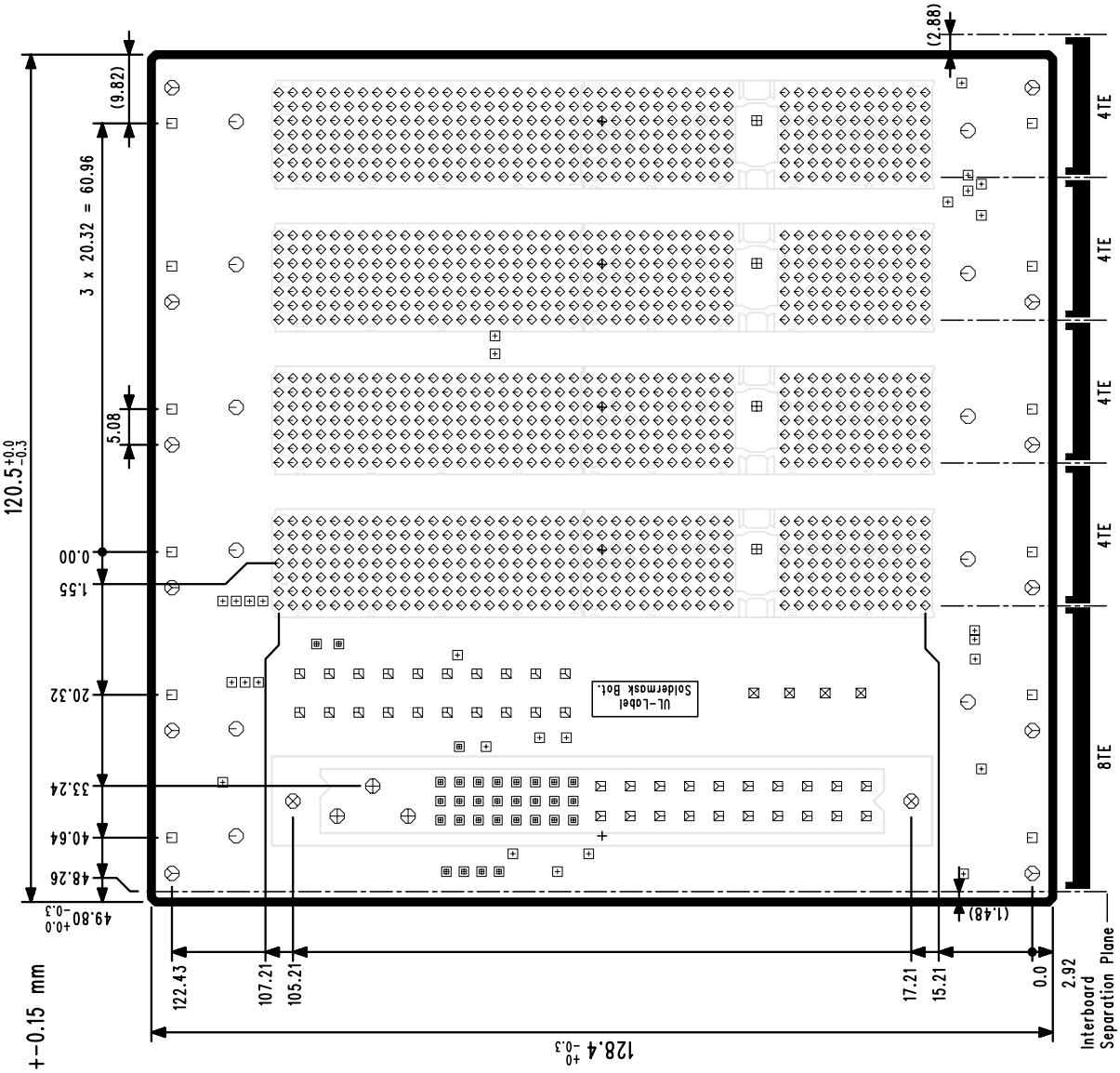
DIN A4
M 1:1

Title: Hartmann Elektronik
CPCI 3HE RD 4Slot 32Bit+
BUS844 Rev.BA

Number

Device: HE-C33RD044--4 File: BUS844BA

Sheet of



Common Tolerance: +-0.15 mm

Hartmann Elektronik
CPCI 3HE RD 4Slot 32Bit+
BUS844 Rev.BA

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	Date	Name
2007		
Author	15.06.	Wiedmann
Check	15.06.	Wiedmann

DIN A4
M 1:1

Title: Hartmann Elektronik
CPCI 3HE RD 4Slot 32Bit+
BUS844 Rev.BA

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Number

Sheet of

Rev	Description	Date	Name

Device: HE-C33RD044--4 File: BUS844BA

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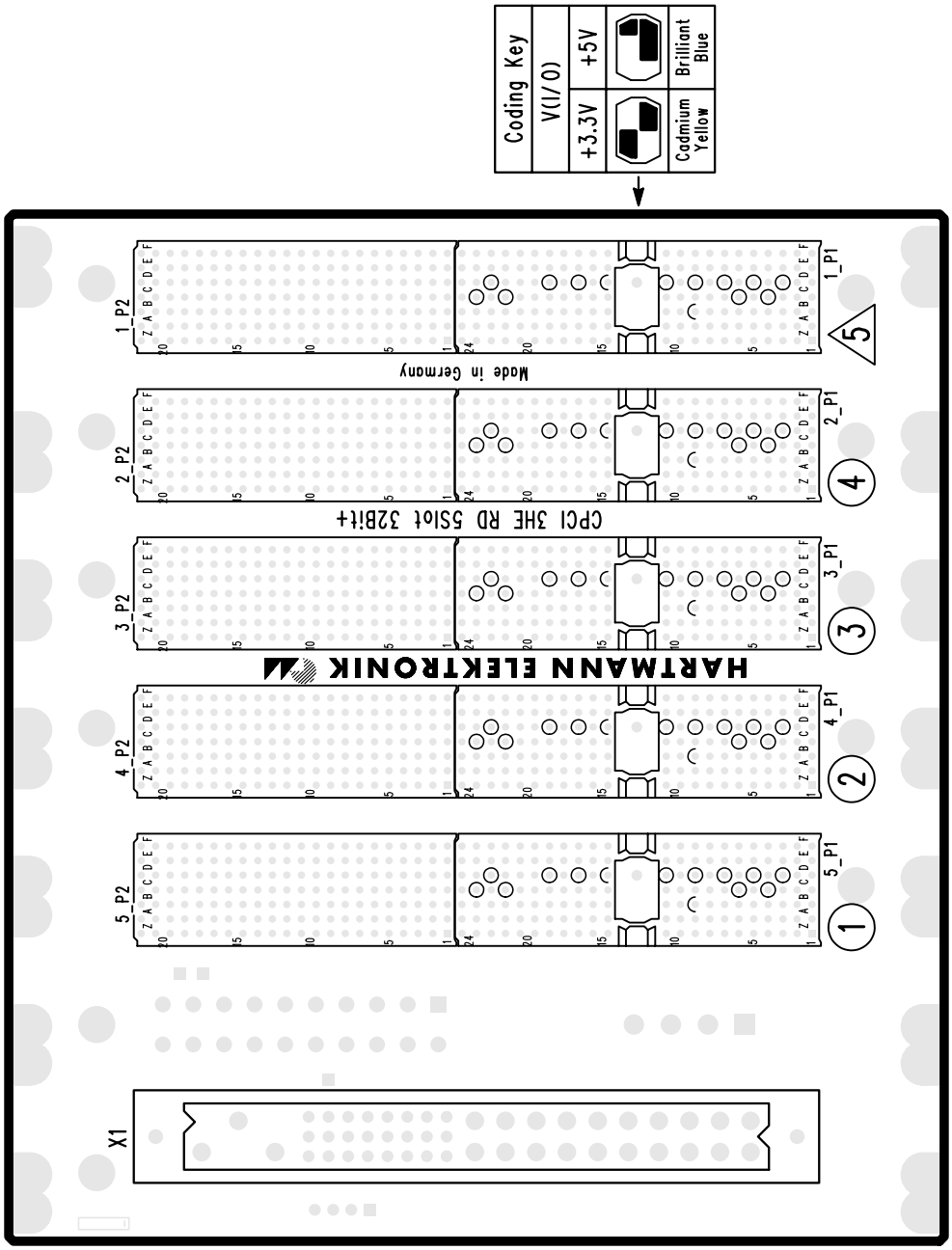
TOP VIEW



Silkscreen Top
Pads Top

Hartmann Elektronik
CPCI 3HE RD 5Slot 32Bit+
BUS843 Rev.BA

				2003	Date	Name	Title: Hartmann Elektronik
				Author	04.11.	Wiedmann	CPCI 3HE RD 5Slot 32Bit+
				Check	04.11.	Wiedmann	BUS843 Rev.BA
						DIN A4 M 1:1	
Rev	Description	Date	Name	HARTMANN ELEKTRONIK MOTORSTRASSE 43 D-70499 STUTTGART			Number / Sheet / of
							Device: HE-C33RD054--4 File: BUS843BA

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Without geographic adressing on request

BOTTOM VIEW

Shrouds 1P1– 6P1
on request

Busbar for +5V keying

Busbar for +3.3V keying

Silkscreen Bottom
Pads Bottom

Hartmann Elektronik
CPCI 3HE RD 5Slot 32Bit+
BUS843 Rev.BA

Rev	Description	Date	Name

	2003		
Author	04.11.	Date	Wiedmann
Check	04.11.	Name	Wiedmann

DIN A4
M 1:1

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Title: Hartmann Elektronik
CPCI 3HE RD 5Slot 32Bit+
BUS843
Rev.BA

Number

Device: HE-C33RD054--4 File: BUS843BA

Sheet of

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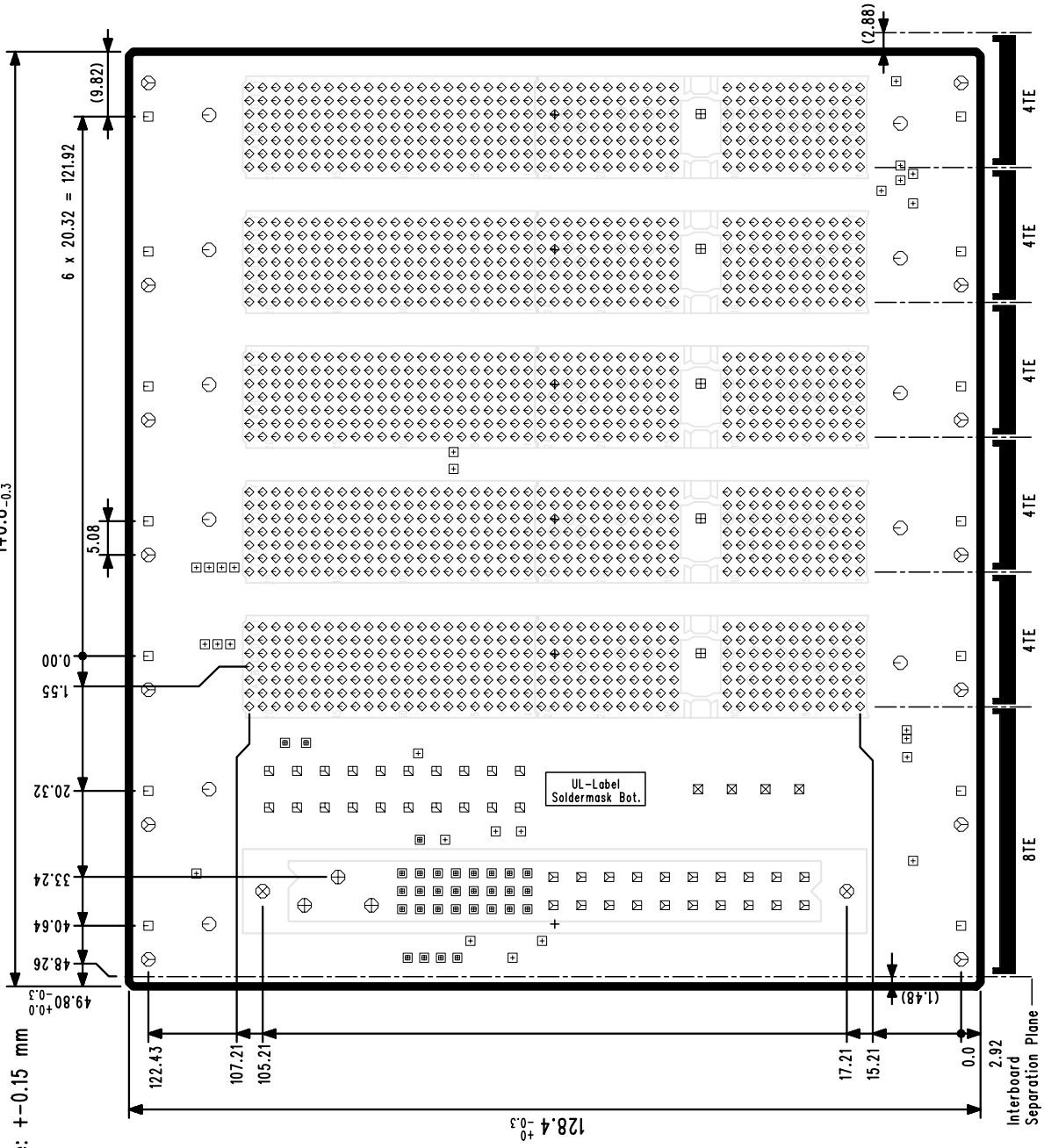

Common Tolerance: +-0.15 mm

Hartmann Elektronik
CPCI 3HE RD 5Slot 32Bit+
BUS843 Rev.BA

				2003	Date	Name
				Author	04.11.	Wiedmann
				Check	04.11.	Wiedmann
						DIN A4
						M 1:1

Title: Hartmann Elektronik
CPCI 3HE RD 5Slot 32Bit+
BUS843 Rev.BA

Rev	Description	Date	Name

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Number | Sheet | of

Device: HE-C33RD054--4 | File: BUS843BA

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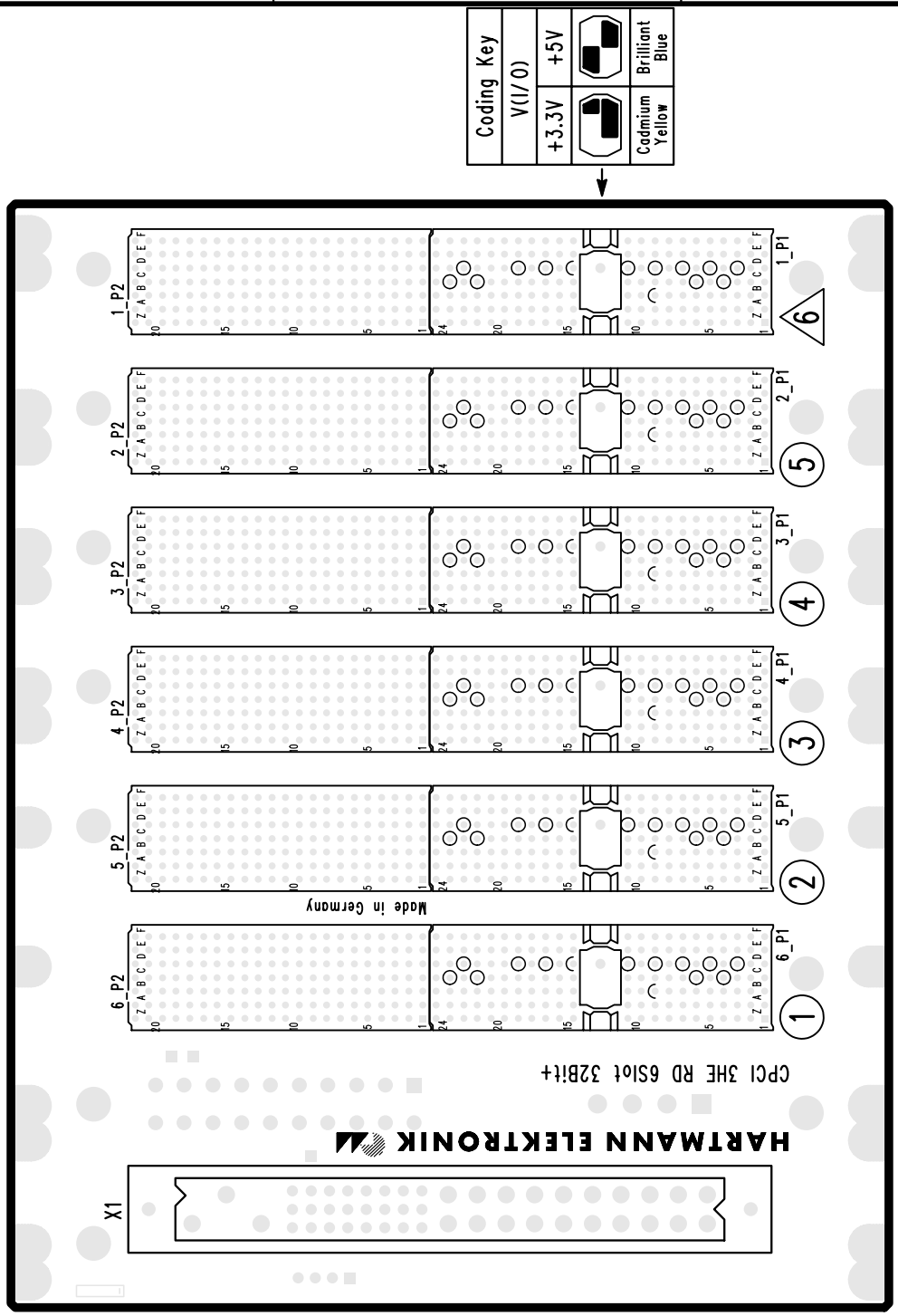

Hartmann Elektronik
CPCI 3HE RD 6Slot 32Bit+
BUS840 Rev.BA

				2003	Date	Name	Title: Hartmann Elektronik
				Author	26.03.	Hamann	CPCI 3HE RD 6Slot 32Bit+
				Check	26.03.	Wiedmann	BUS840 Rev.BA
						DIN A4 M 1:1	
Rev	Description	Date	Name	HARTMANN ELEKTRONIK MOTORSTRASSE 43 D-70499 STUTTGART			Number / Sheet / of
							Device: HE-C33RD065--4 File: BUS840BA

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Without geographic adressing on request

BOTTOM VIEW

Shrouds 1P1- 6P1
on request

Busbar for +5V keying

Busbar for +3.3V keying

Silkscreen Bottom
Pads Bottom

Hartmann Elektronik
CPCI 3HE RD 6Slot 32Bit+
BUS840 Rev.BA

Rev	Description	Date	Name

Author	26.03.	Hamann
Check	26.03.	Wiedmann

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

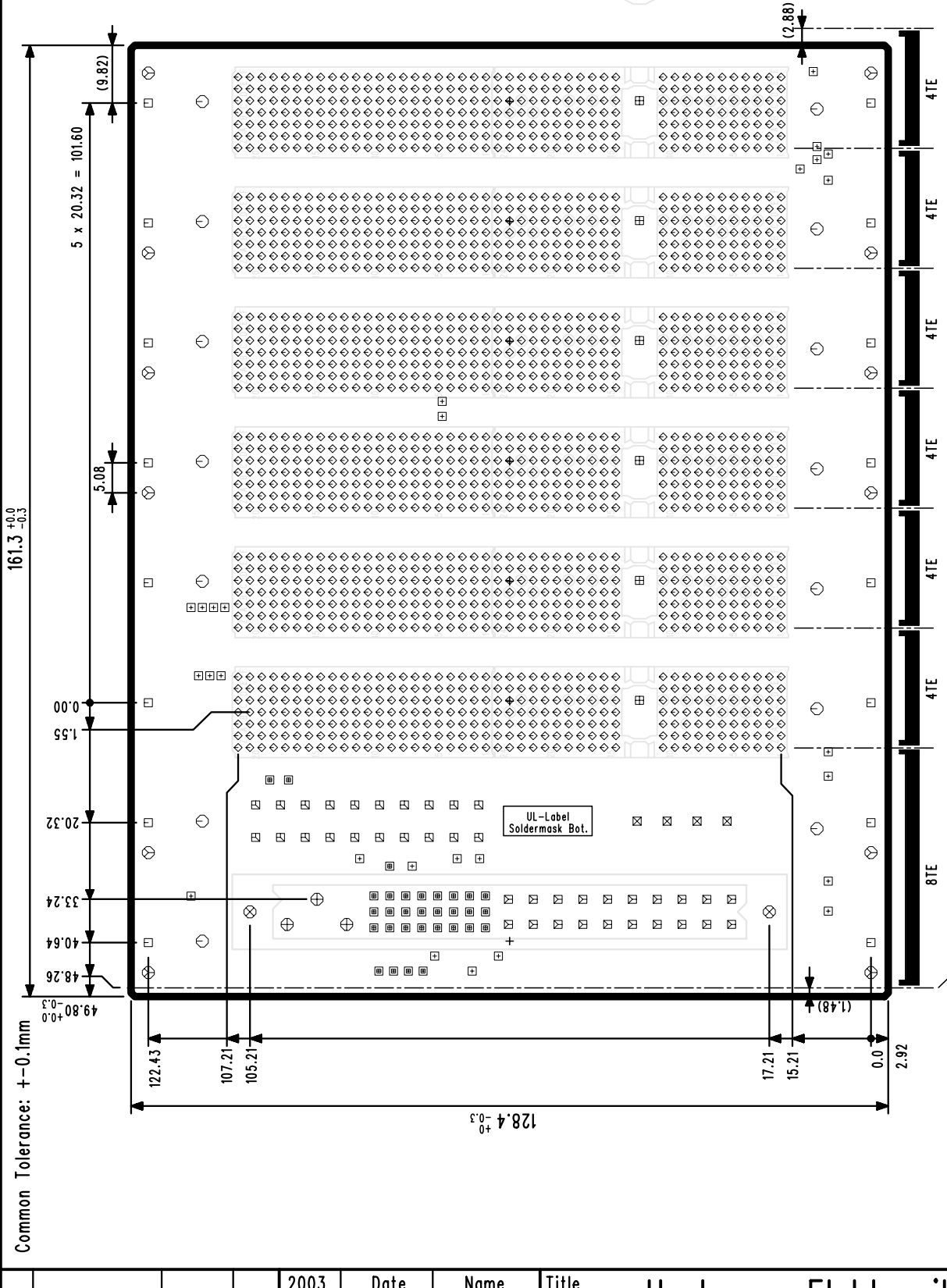
DIN A4
M 1:1

Title: Hartmann Elektronik
CPCI 3HE RD 6Slot 32Bit+
BUS840
Rev.BA

Number

Device: HE-C33RD065--4 File: BUS840BA

Sheet of



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	Date	Name
2003		
Author	26.03.	Hamann
Check	26.03.	Wiedmann

DIN A4
M 1:1

Title: Hartmann Elektronik
CPCI 3HE RD 6Slot 32Bit+
BUS840 Rev.BA

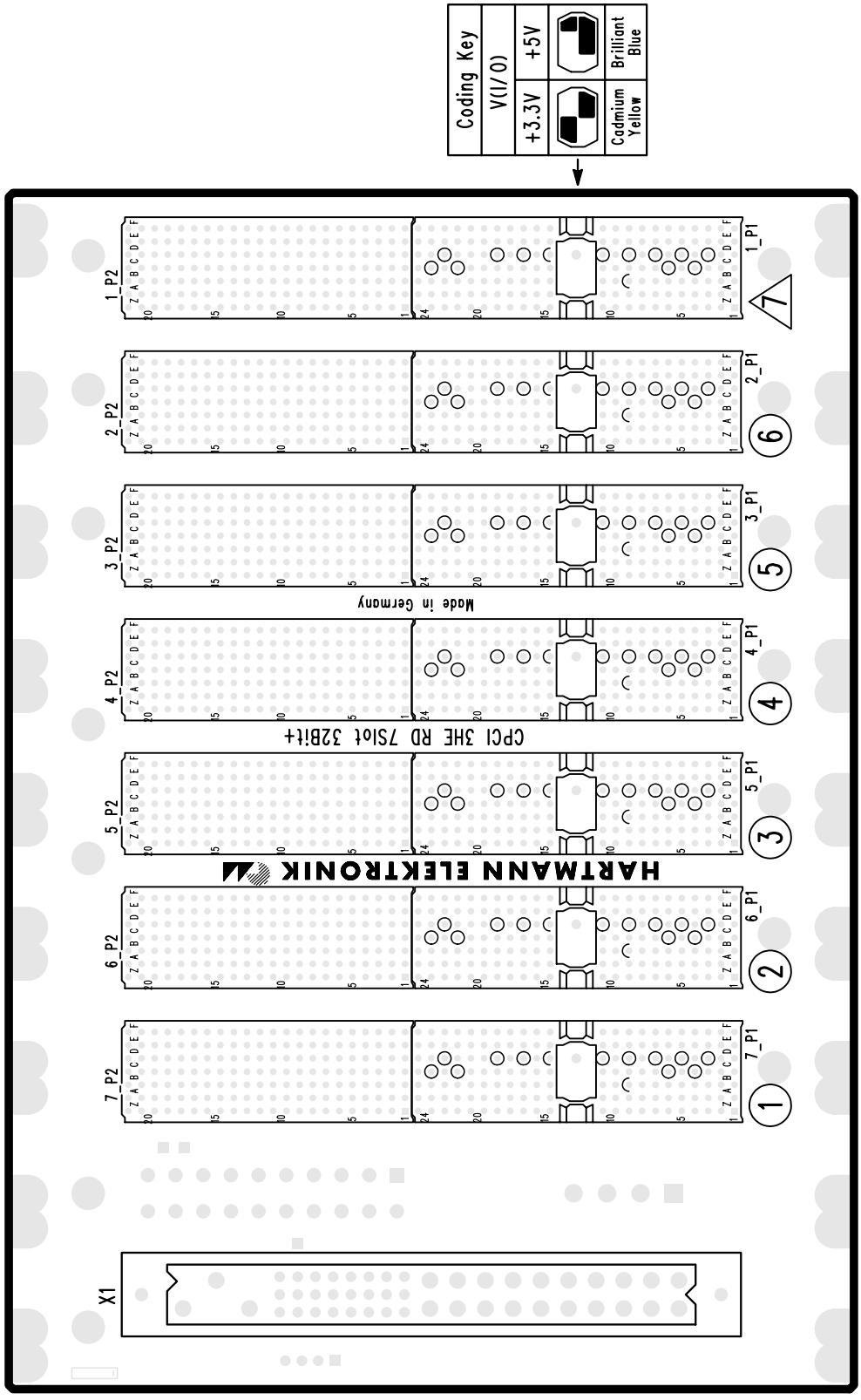
HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Number

Sheet of

Rev	Description	Date	Name

Device: HE-C33RD065--4 File: BUS840BA



TOP VIEW

Silkscreen Top
Pads Top

Hartmann Elektronik
CPCI 3HE RD 7Slot 32Bit+
BUS842 Rev.BA

All rights reserved

2003	Date	Name
Author	30.10.	Wiedmann
Check	30.10.	Wiedmann
		DIN A4
		M 1:1

Title: Hartmann Elektronik
CPCI 3HE RD 7Slot 32Bit+
BUS842 Rev.BA

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Number

Sheet of

Device: HE-C33RD074--4 File: BUS842BA

Rev	Description	Date	Name

All rights reserved

Without geographic adressing on request

BOTTOM VIEW

Shrouds 1P1- 6P1
on request

Busbar for +5V keying

Busbar for +3.3V keying

Silkscreen Bottom
Pads Bottom

Hartmann Elektronik
CPCI 3HE RD 7Slot 32Bit+
BUS842 Rev.BA

Rev	Description	Date	Name

	2003	
Author	30.10.	Wiedmann
Check	30.10.	Wiedmann

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

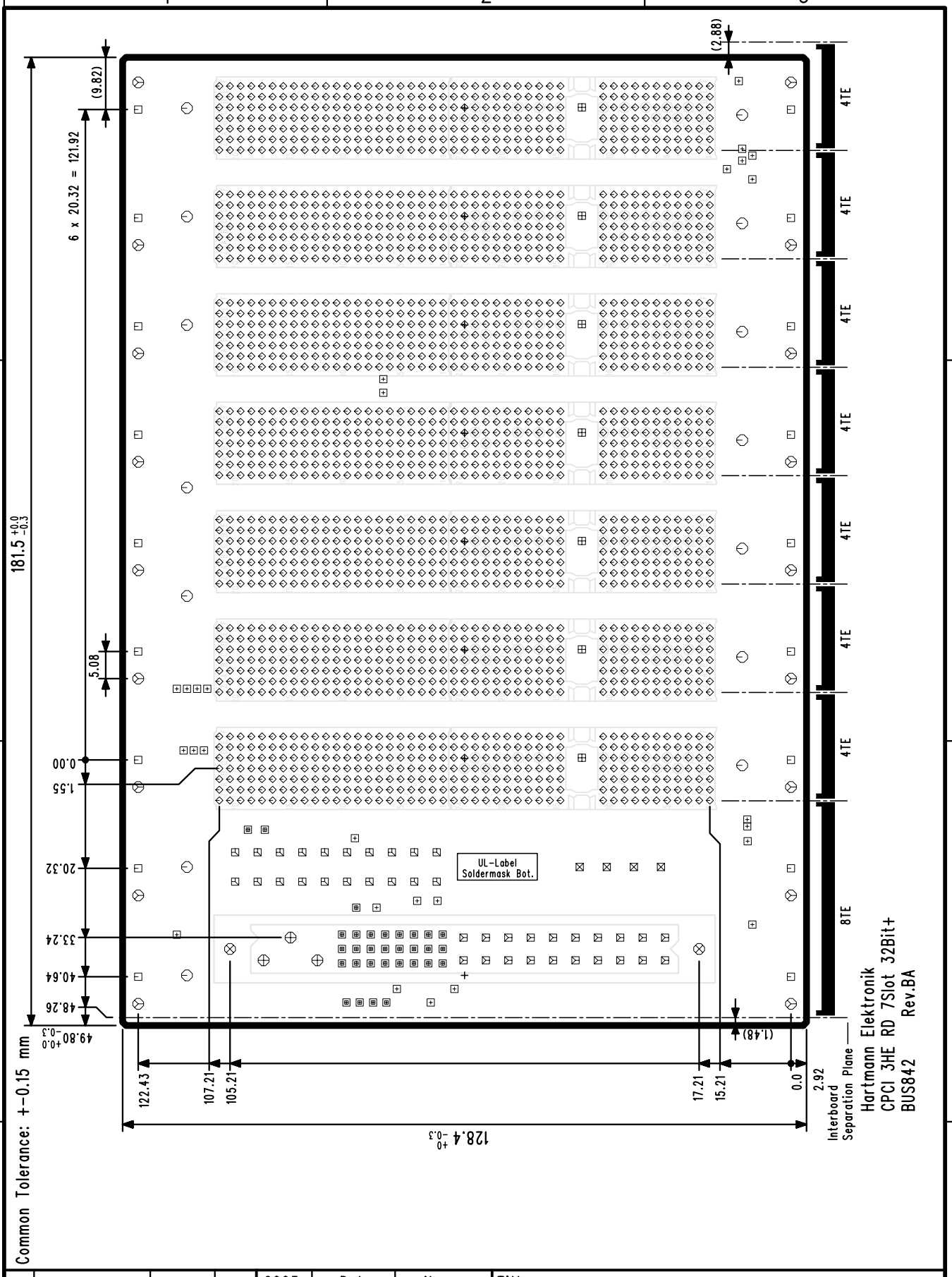
DIN A4
M 1:1

Title: Hartmann Elektronik
CPCI 3HE RD 7Slot 32Bit+
BUS842
Rev.BA

Number

Device: HE-C33RD074--4 File: BUS842BA

Sheet of



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				2003	Date	Name
				Author	30.10.	Wiedmann
				Check	30.10.	Wiedmann
						DIN A4
						M 1:1

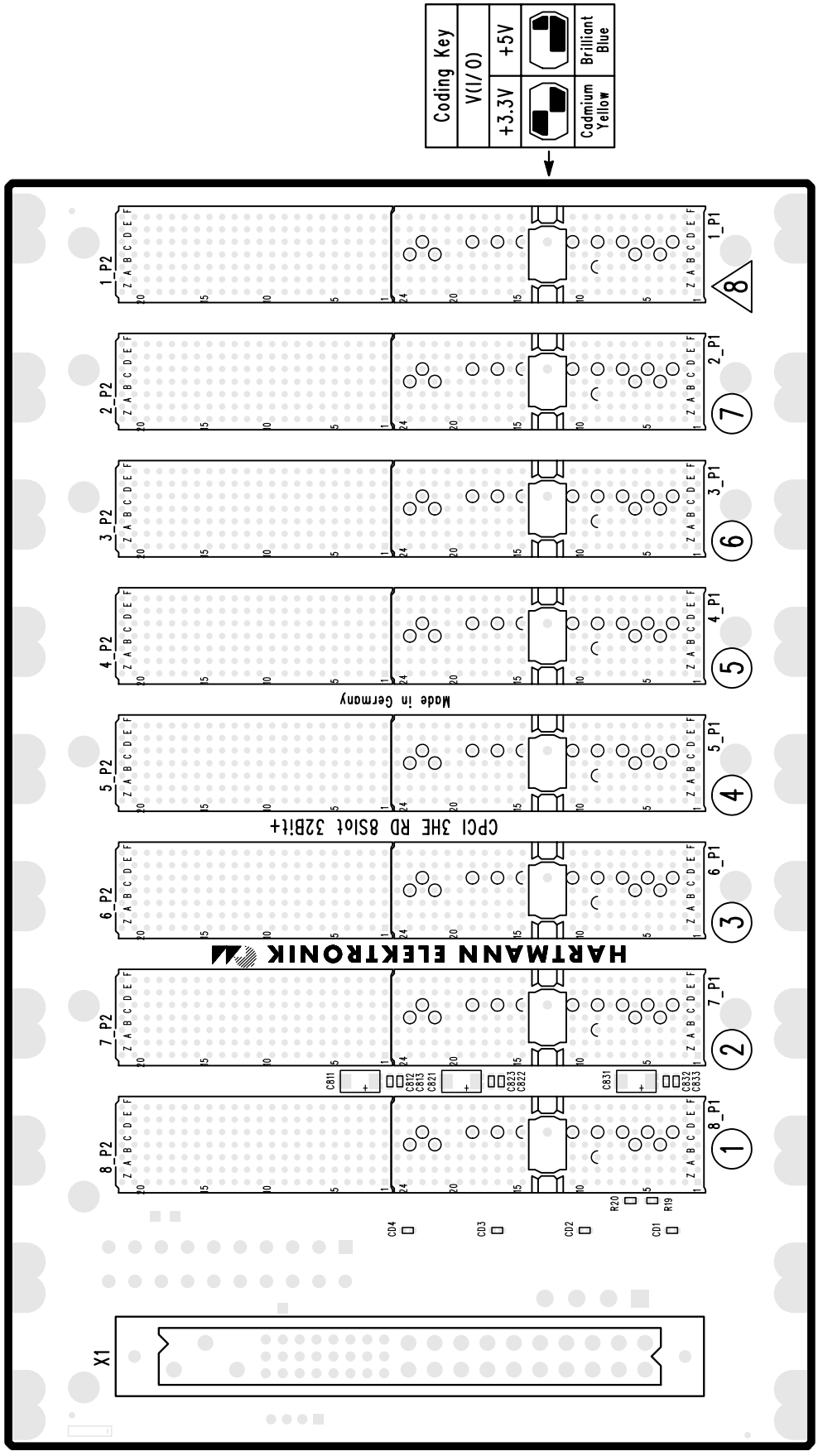
Title: Hartmann Elektronik
CPCI 3HE RD 7Slot 32Bit+
BUS842 Rev.BA

Rev	Description	Date	Name

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Number | Sheet | of

Device: HE-C33RD074--4 | File: BUS842BA



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				2003	Date	Name
				Author	29.10.	Wiedmann
				Check	29.10.	Hamann
						DIN A4
						M 1:1

Title: **Hartmann Elektronik**
CPCI 3HE RD 8Slot 32Bit+
BUS841 Rev.BA

Rev	Description	Date	Name

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Number | Sheet | of

Device: HE-C33RD084--4 | File: BUS841BA

All rights reserved

Without geographic adressing on request

BOTTOM VIEW

Shrouds 1P1- 6P1
on request

Busbar for +5V keying

Busbar for +3.3V keying

Silkscreen Bottom
Pads Bottom

Hartmann Elektronik
CPCI 3HE RD 8Slot 32Bit+
BUS841 Rev.BA

Rev	Description	Date	Name

	2003		
Author	29.10.	Date	Wiedmann
Check	29.10.		Hamann

DIN A4
M 1:1

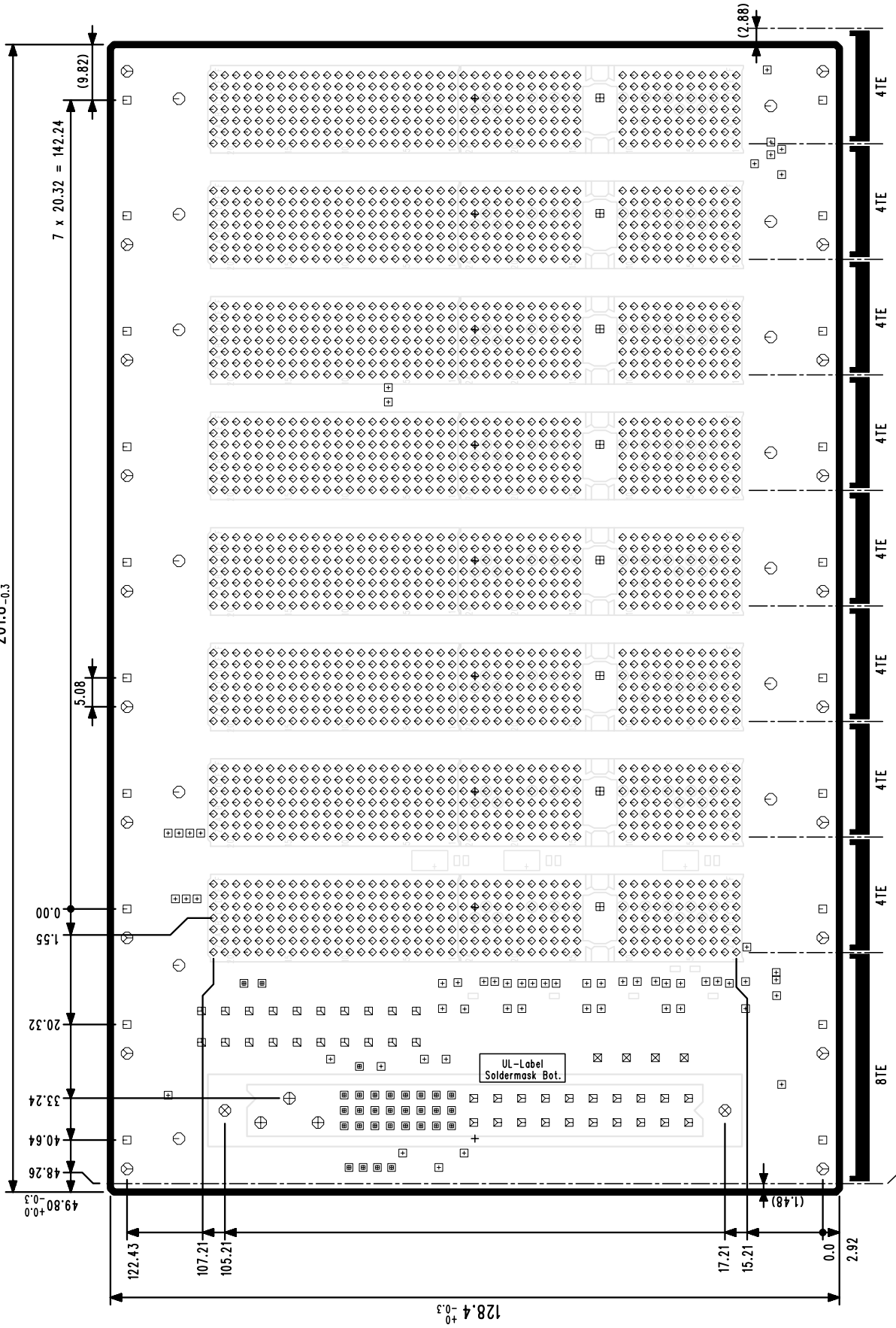
HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Number

Title: Hartmann Elektronik
CPCI 3HE RD 8Slot 32Bit+
BUS841
Rev.BA

Device: HE-C33RD084--4 | File: BUS841BA

Sheet of



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				2003	Date	Name
				Author	29.10.	Wiedmann
				Check	29.10.	Hamann
						DIN A4
						M 1:1
Rev	Description	Date	Name			

Title: Hartmann Elektronik
CPCI 3HE RD 8Slot 32Bit+
BUS841 Rev.BA

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Number

Sheet of

Device: HE-C33RD084--4 File: BUS841BA