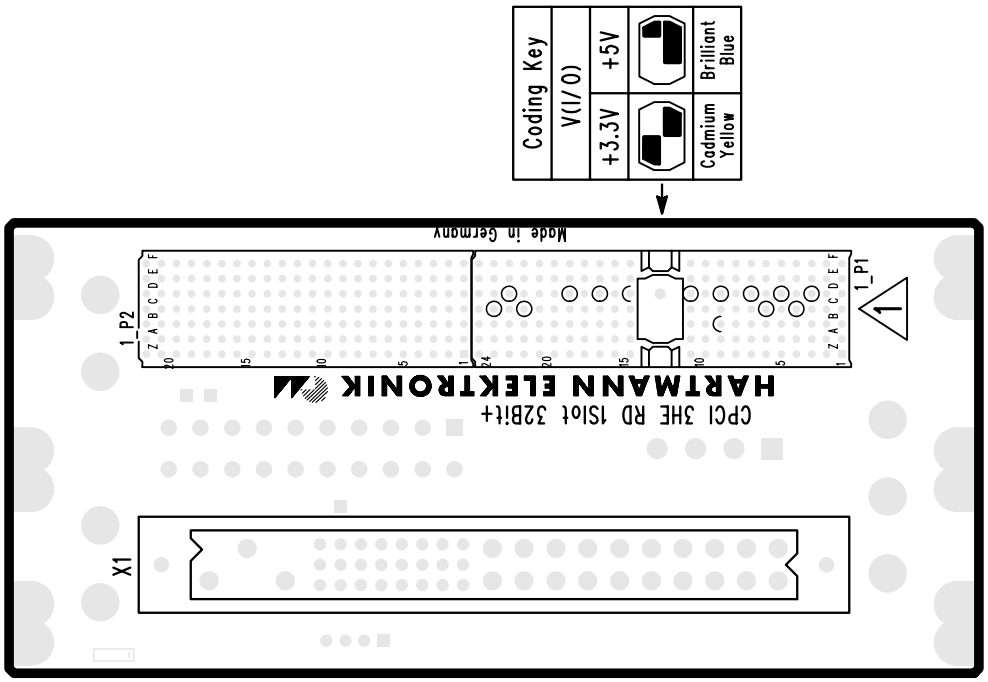
All rights reserved

TOP VIEW



Silkscreen Top
Pads Top

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

Rev	Description	Date	Name

2009	Date	Name
Author	31.07.	Wiedmann
Check	31.07.	Wiedmann

DIN A4
M 1:1

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

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

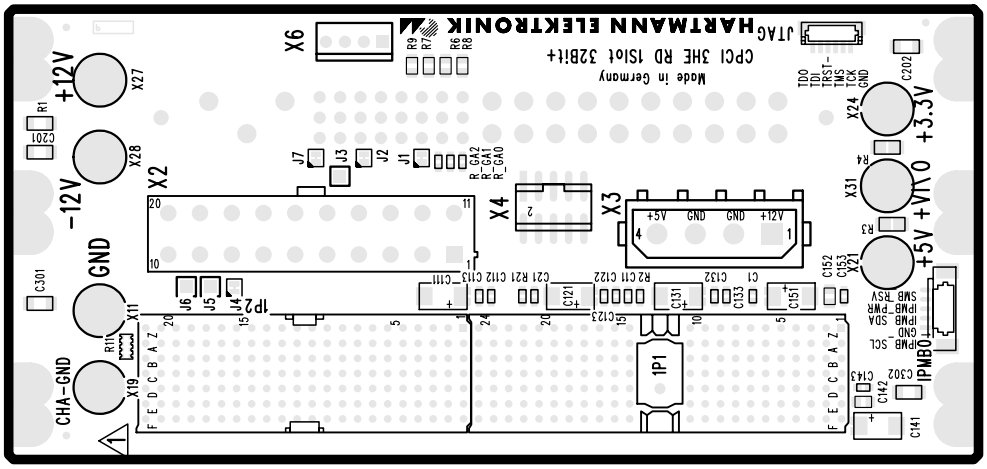
Number

Sheet
of

Device: HE-C33RD014--4 File: BP7

All rights reserved

BOTTOM VIEW



Busbar for +5V keying

Busbar for +3.3V keying

Silkscreen Bottom
Pads Bottom

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

Without geographic adressing on request

Shrouds 1P1
on request

Rev	Description	Date	Name

2009	Date	Name
Author	31.07.	Wiedmann
Check	31.07.	Wiedmann

DIN A4
M 1:1

HARTMANN
ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Title

Hartmann Elektronik

CPCI 3HE RD 1Slot 32Bit+

BP7 Rev.BA

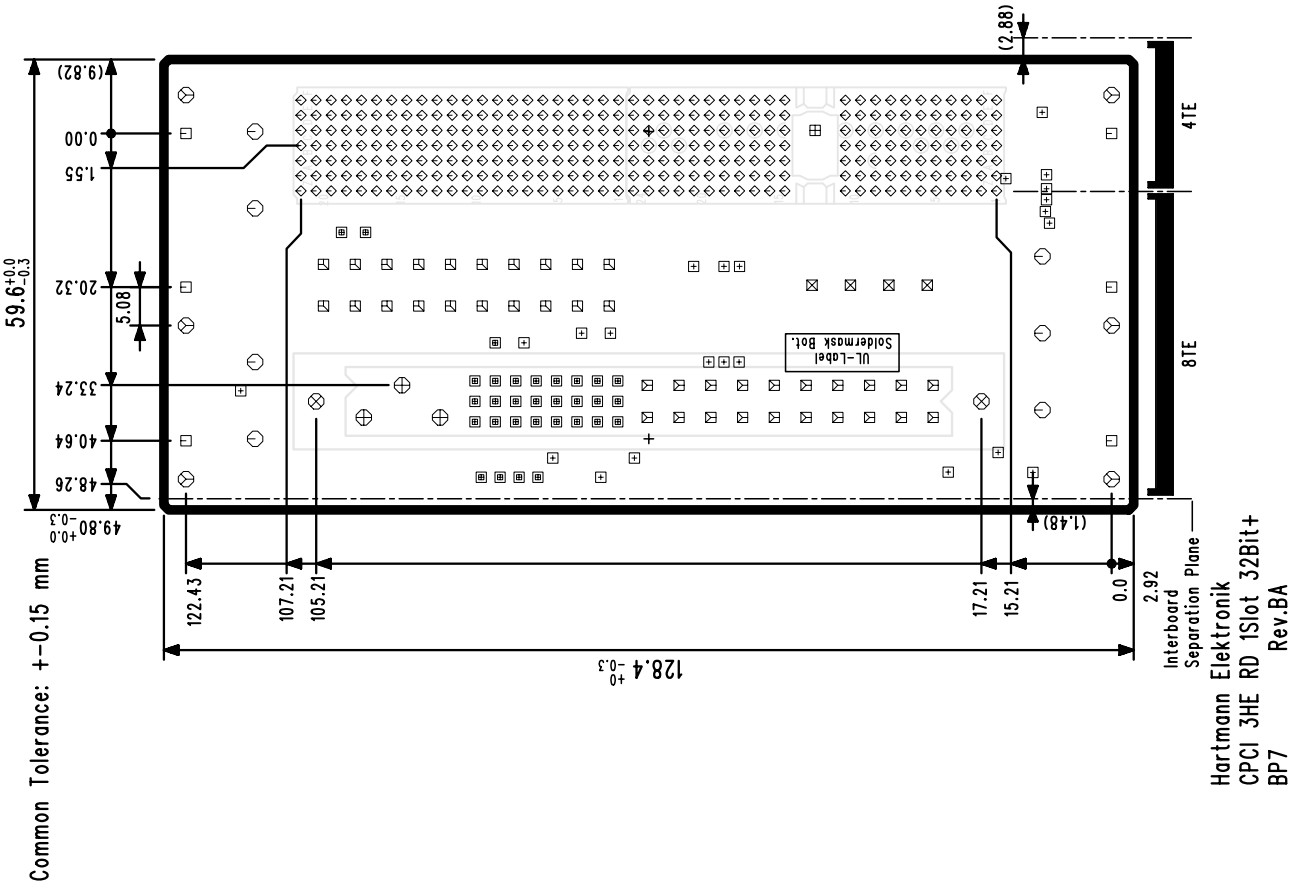
Number

Sheet

of

Device: HE-C33RD014--4

File: BP7



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Rev	Description	Date	Name

2009	Date	Name
Author	31.07.	Wiedmann
Check	31.07.	Wiedmann

DIN A4
M 1:1

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Title

Hartmann Elektronik

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

Number

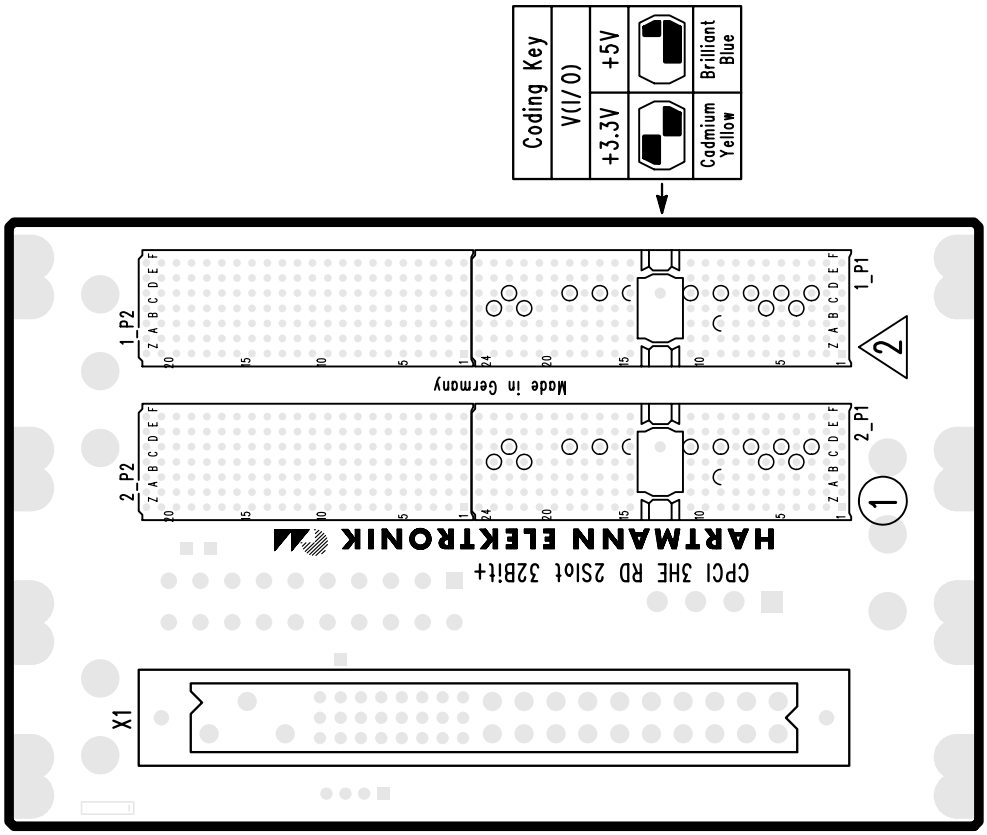
Sheet

of

Device: HE-C33RD014--4 File: BP7

All rights reserved

TOP VIEW



Silkscreen Top
Pads Top

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

Rev	Description	Date	Name

2009	Date	Name
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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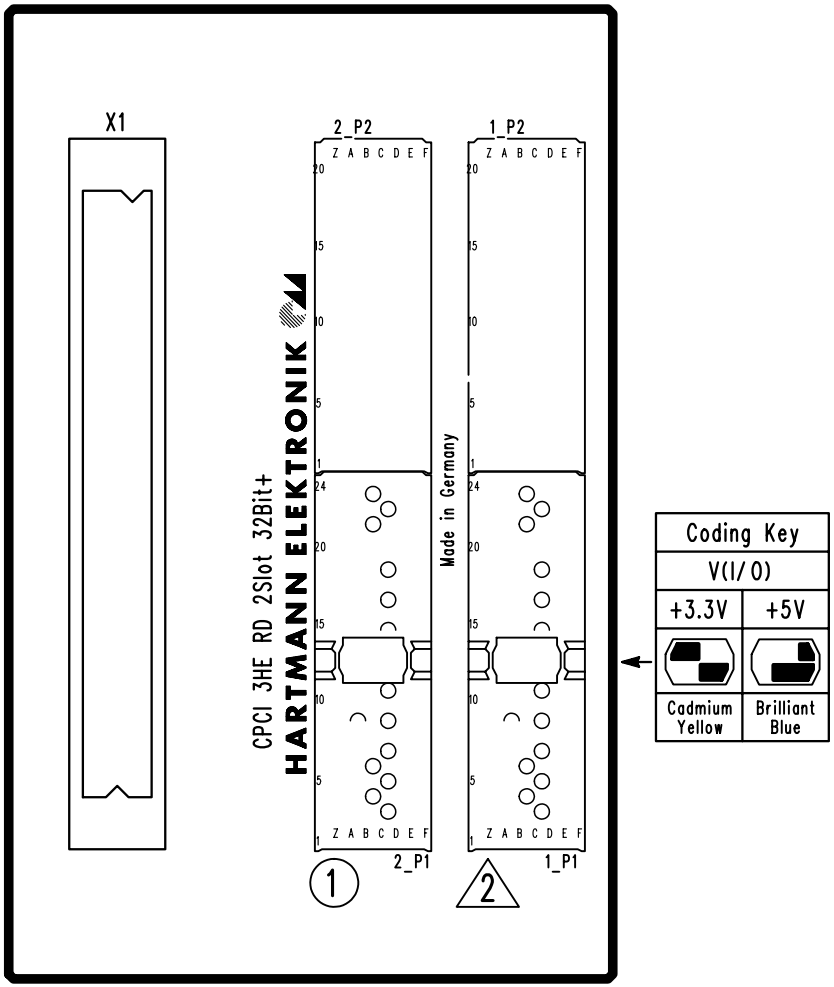
TOP VIEW



Coding Key	
V(I/O)	
+3.3V	+5V
Cadmium Yellow	Brilliant Blue

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

Silkscreen Top

Rev	Description	Date	Name

2009		
Author	28.07.	Wiedmann
Check	28.07.	Wiedmann

DIN A4
M 1:1

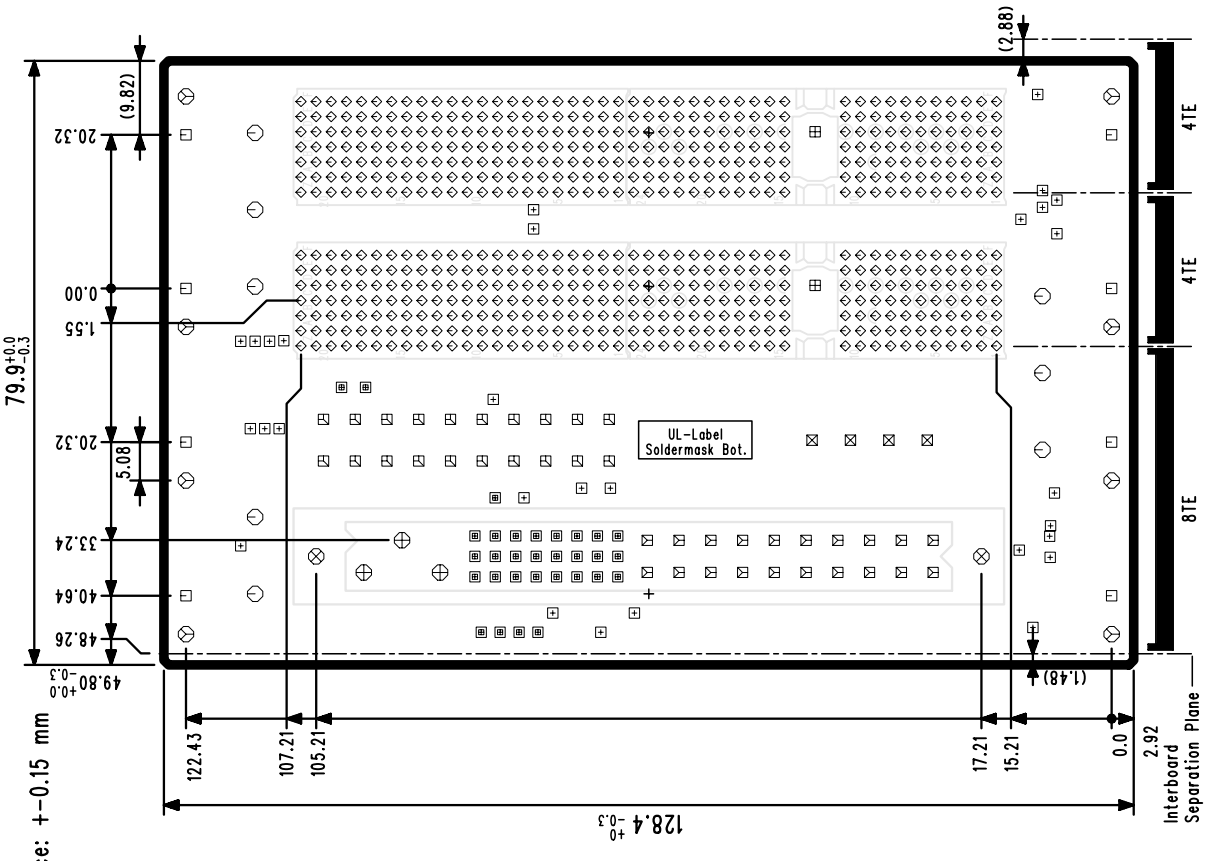
HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

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

Number

Sheet of

Device: HE-C33RD024--4
File: BP6



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

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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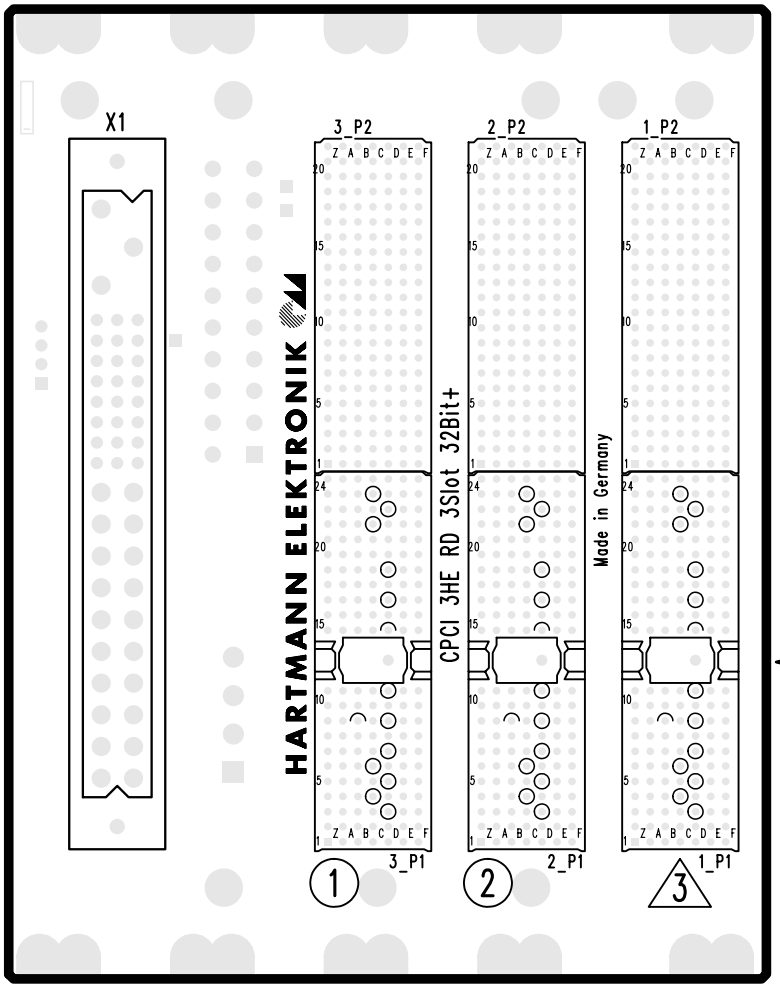
TOP VIEW



Coding Key	
V(I/O)	
+3.3V	+5V
Cadmium Yellow	Brilliant Blue

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

Silkscreen Top
Pads Top

Rev	Description	Date	Name

		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

Sheet of

Device: HE-C33RD034--4 File: BUS845BA

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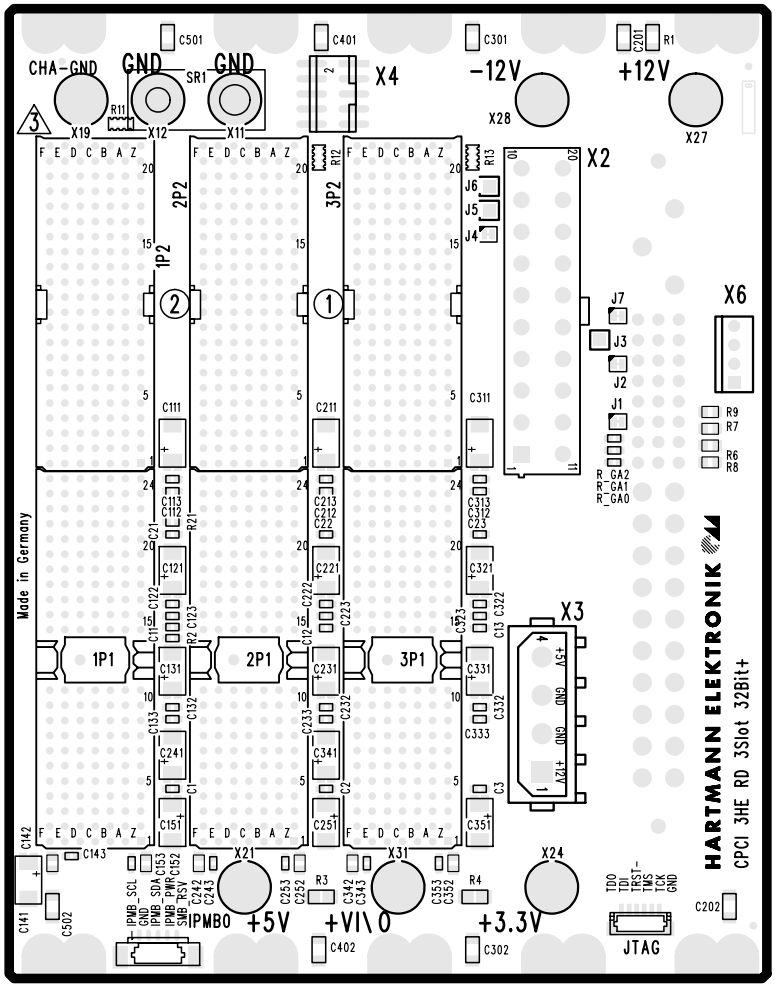
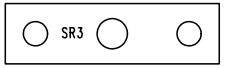
Without geographic adressing on request

BOTTOM VIEW

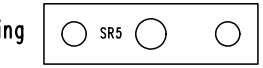
Shrouds 1P1- 3P1
on request



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

	Date	Name
	2004	
Author	10.09.	Wiedmann
Check	10.09.	Wiedmann

DIN A4
M 1:1

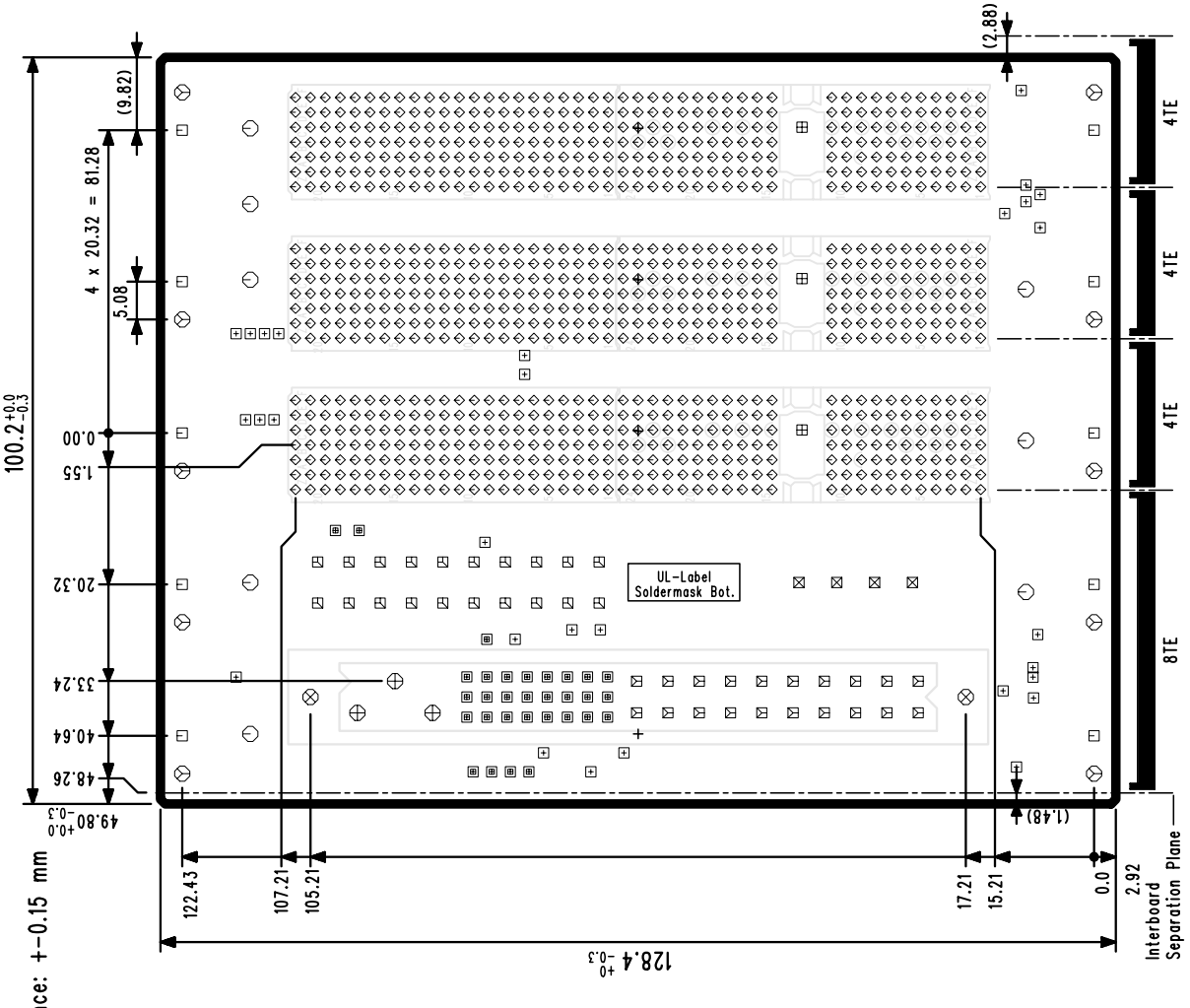
HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

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

Number

Sheet of

Device: HE-C33RD034--4
File: BUS845BA



Common Tolerance: +-0.15 mm

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				2004	Date	Name
				Author	10.09.	Wiedmann
				Check	10.09.	Wiedmann
						DIN A4
						M 1:1
Rev	Description	Date	Name			

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Title

Hartmann Elektronik

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

Number

Sheet

of

Device: HE-C33RD034--4 File: BUS845BA

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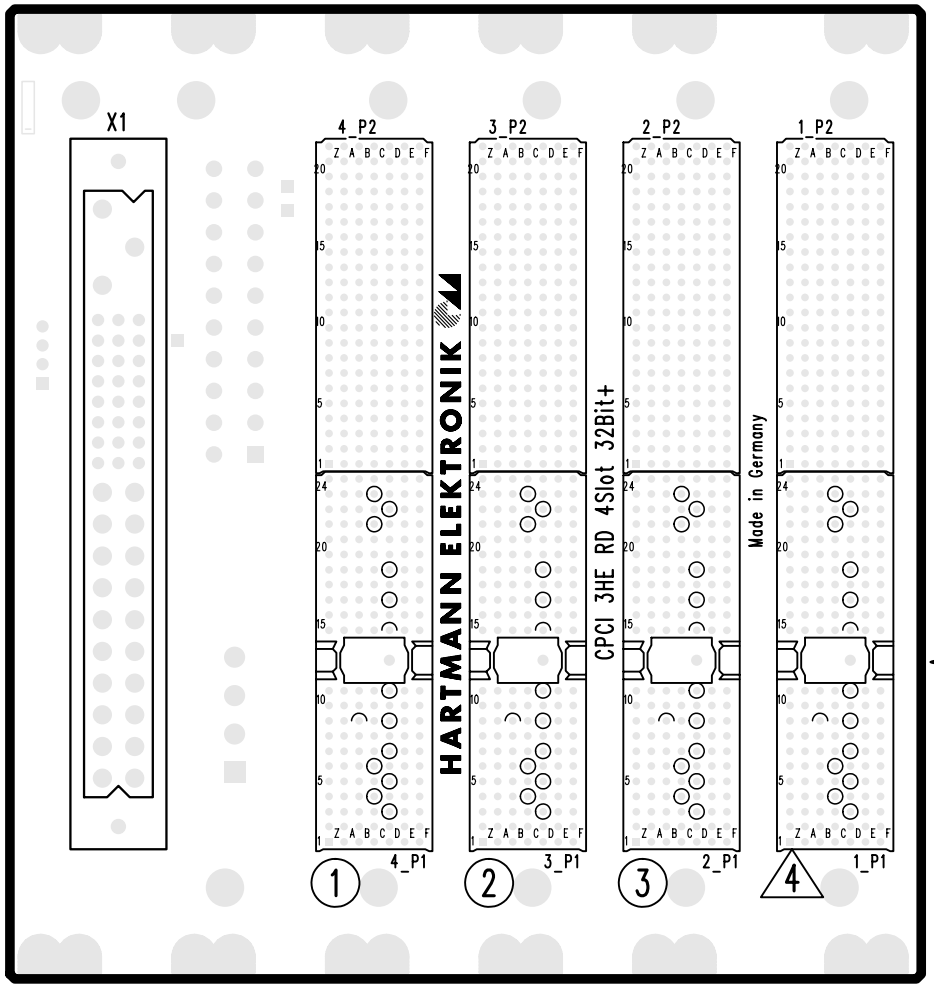
TOP VIEW



Coding Key	
V(I/O)	
+3.3V	+5V
Cadmium Yellow	Brilliant Blue

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

Silkscreen Top
Pads Top

Rev	Description	Date	Name

2007		
Author	15.06.	Wiedmann
Check	15.06.	Wiedmann

DIN A4
M 1:1

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

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

Number

Sheet of

Device: HE-C33RD044--4
File: BUS844BA

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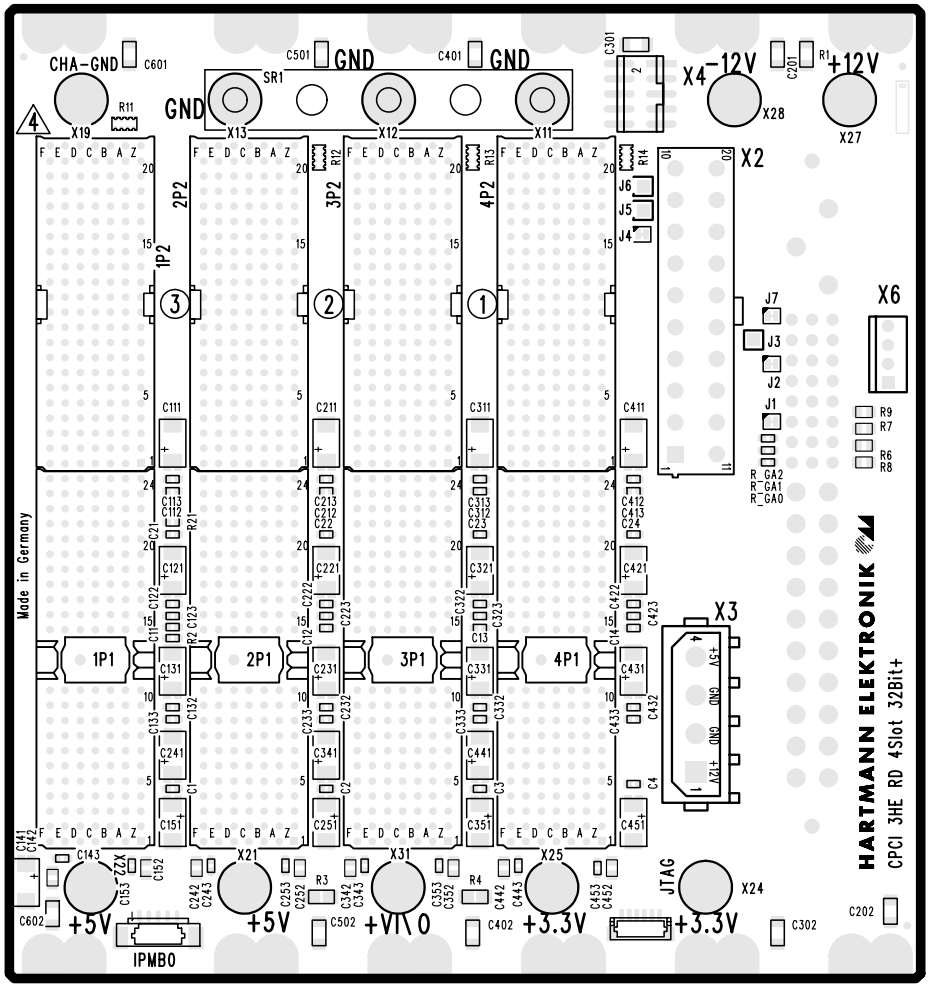
Without geographic adressing on request

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

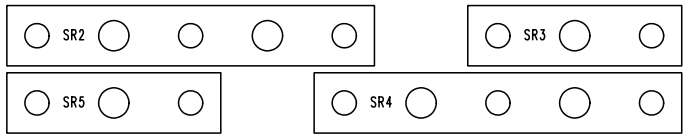
Pin	Signal
1	IPMB_SCL
2	GND
3	IPMB_SDA
4	IPMB_PWR
5	SMB_RSV

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

	Date	Name
2007		
Author	15.06.	Wiedmann
Check	15.06.	Wiedmann

DIN A4
M 1:1

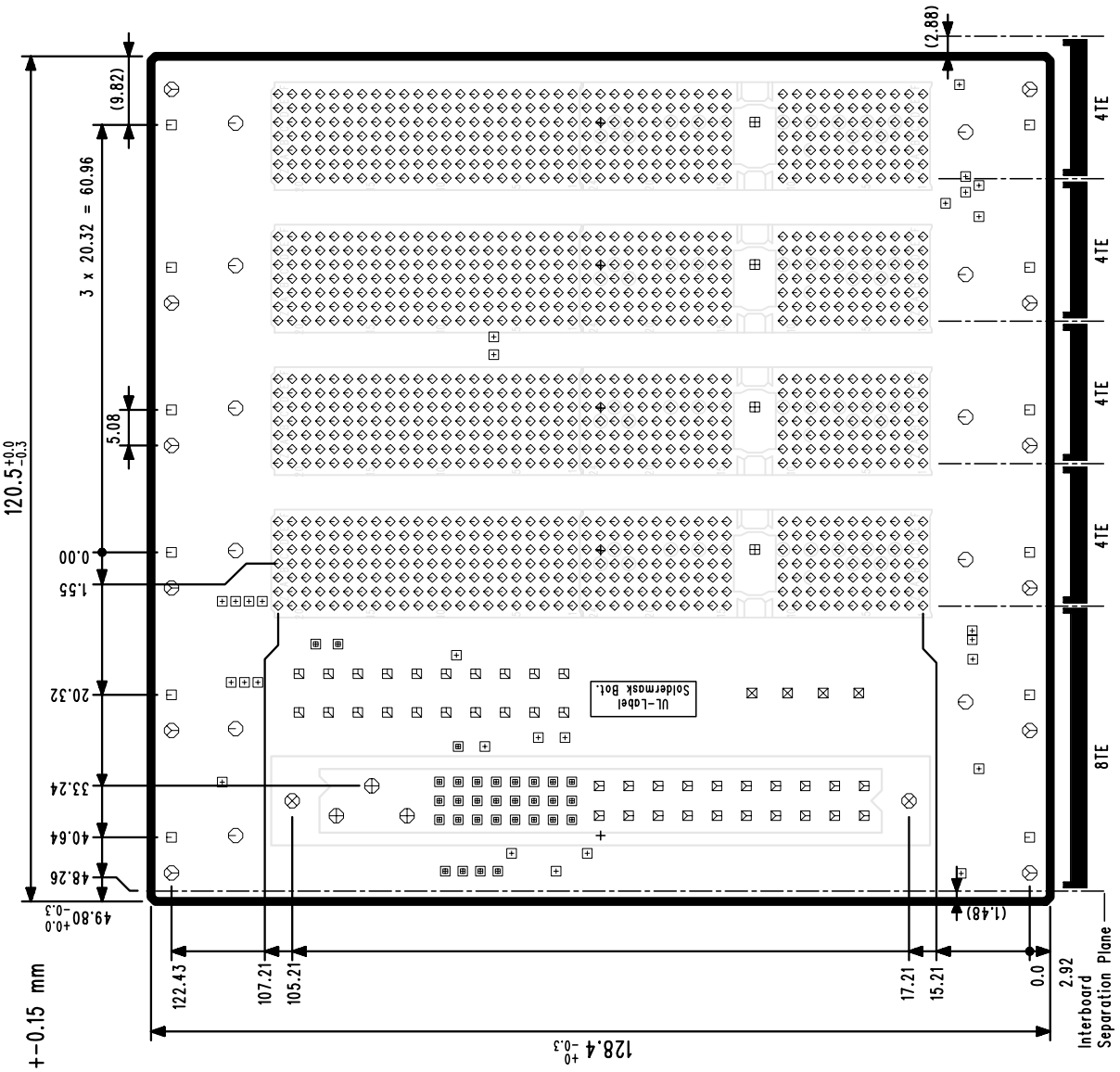
HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

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

Number

Sheet of

Device: HE-C33RD044--4
File: BUS844BA



Common Tolerance: +-0.15 mm

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

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				2007	Date	Name
				Author	15.06.	Wiedmann
				Check	15.06.	Wiedmann
						DIN A4
						M 1:1
Rev	Description	Date	Name			

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

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

Number | Sheet | of

Device: HE-C33RD044--4 | File: BUS844BA

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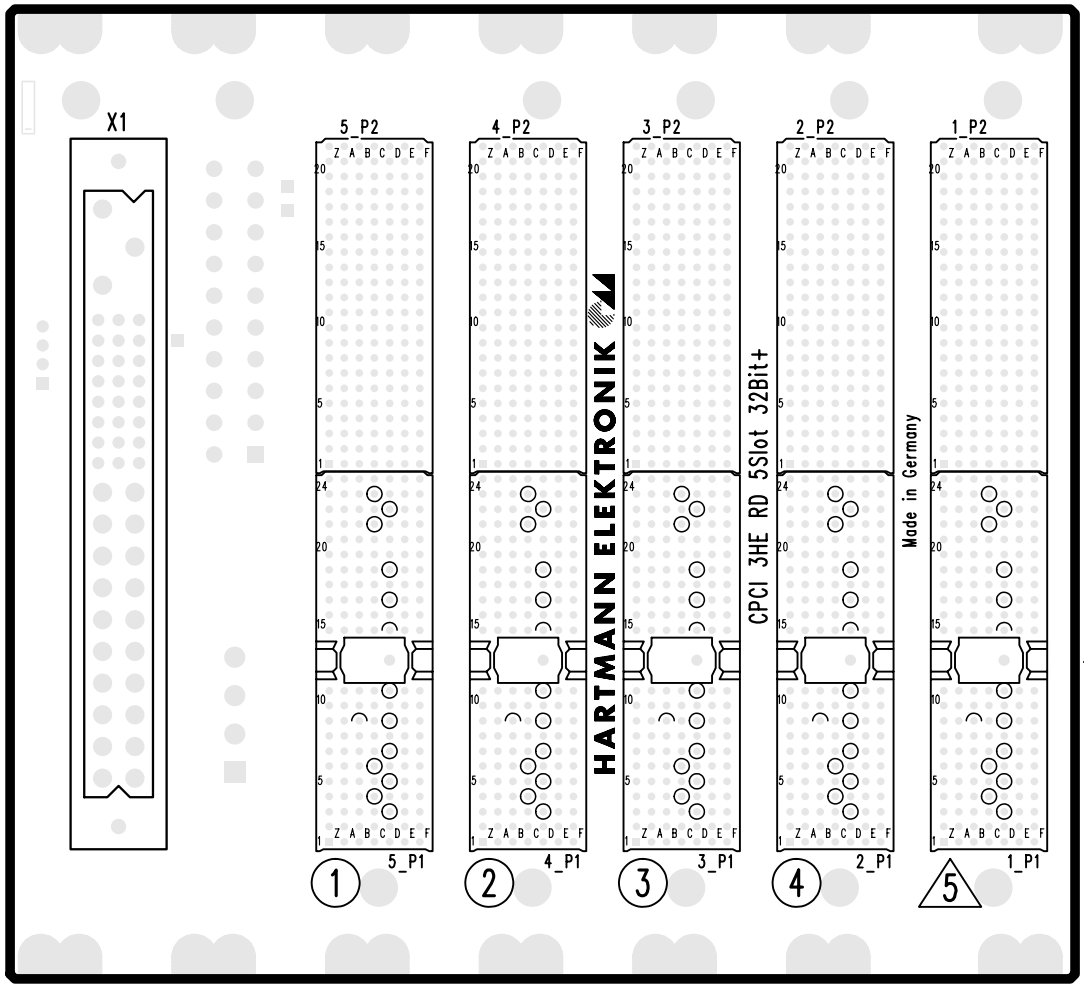
TOP VIEW



Coding Key	
V(I/O)	
+3.3V	+5V
Cadmium Yellow	Brilliant Blue

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

Silkscreen Top
Pads Top

Rev	Description	Date	Name

		Name
2003		
Author	04.11.	Wiedmann
Check	04.11.	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

Sheet of

Device: HE-C33RD054--4
File: BUS843BA

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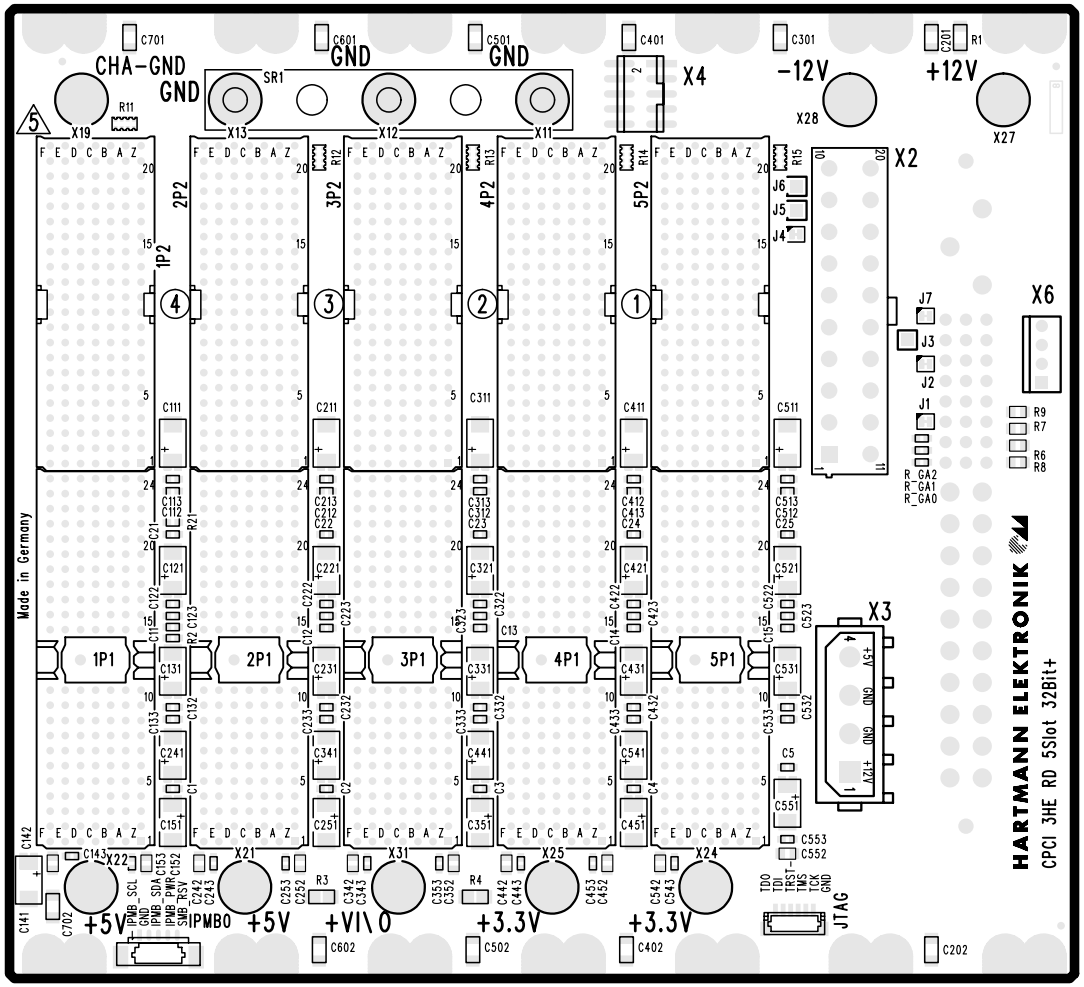
Without geographic adressing on request

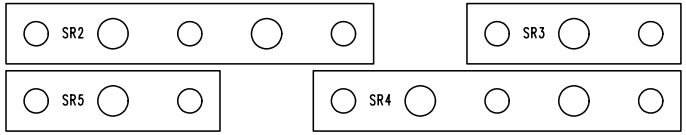
BOTTOM VIEW

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

		Name
	2003	
Author	04.11.	Wiedmann
Check	04.11.	Wiedmann

DIN A4
M 1:1

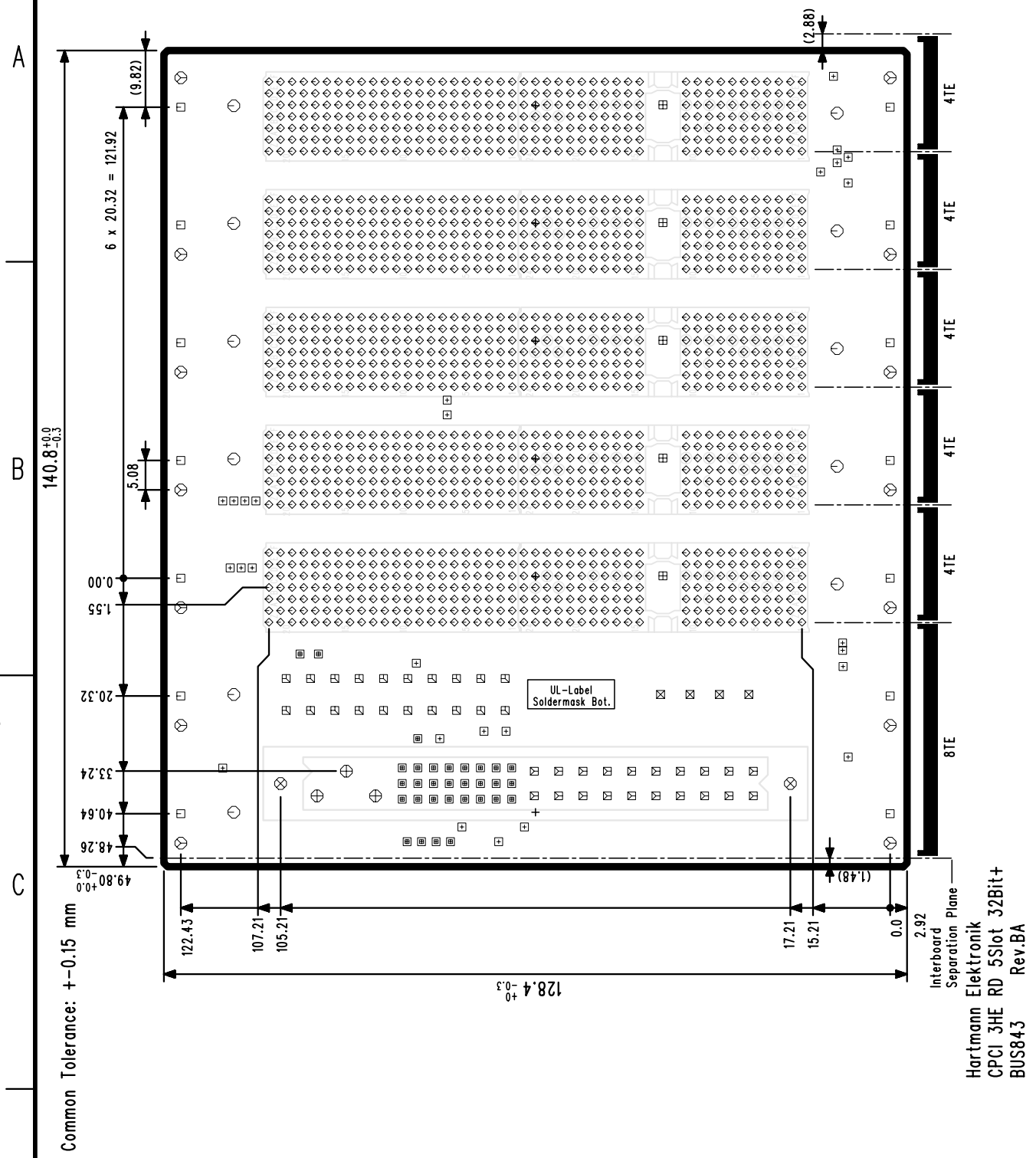
HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

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

Number

Sheet of

Device: HE-C33RD054--4 File: BUS843BA



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				2003	Date	Name	Title
				Author	04.11.	Wiedmann	Hartmann Elektronik
				Check	04.11.	Wiedmann	CPCI 3HE RD 5Slot 32Bit+
						DIN A4	BUS843 Rev.BA
						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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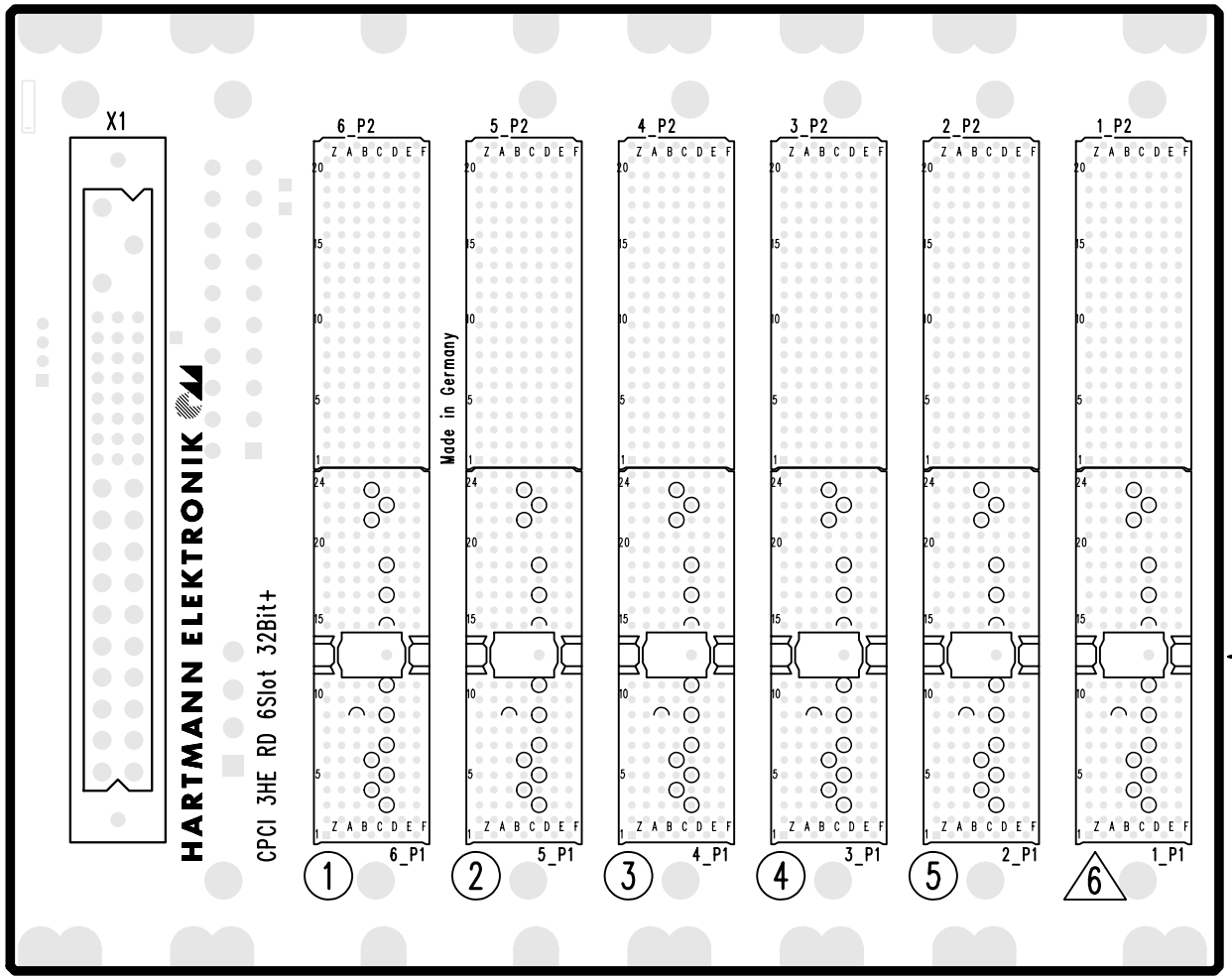
TOP VIEW



Coding Key	
V(I/O)	
+3.3V	+5V
Cadmium Yellow	Brilliant Blue

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

Silkscreen Top
Pads Top

Rev	Description	Date	Name

2003		
Author	26.03.	Hamann
Check	26.03.	Wiedmann

DIN A4
M 1:1

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

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

Number

Sheet of

Device: HE-C33RD065--4 File: BUS840BA

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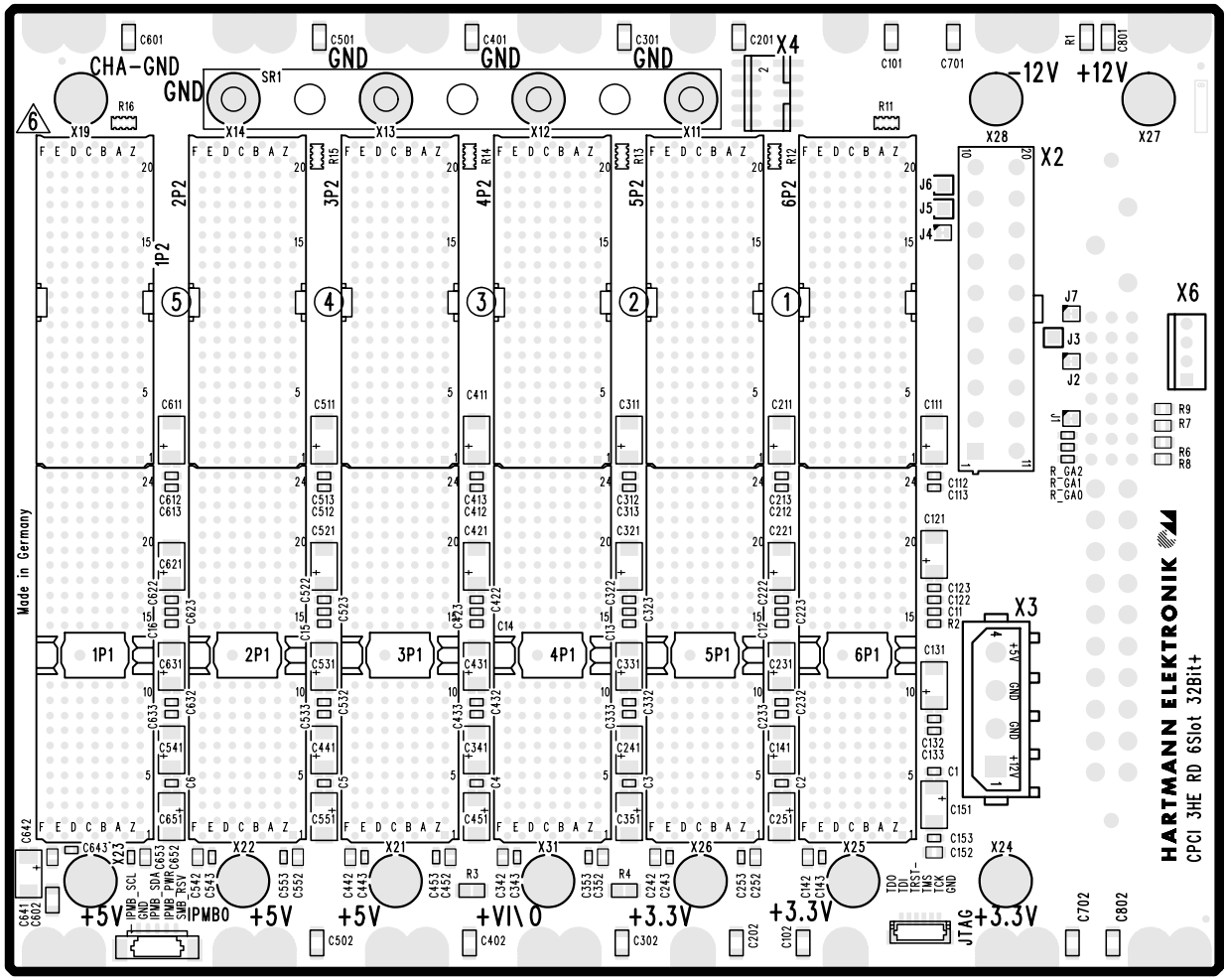
Without geographic adressing on request

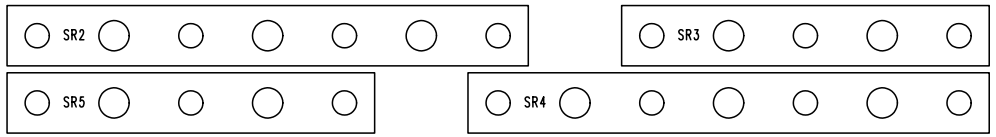
BOTTOM VIEW



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

2003		
Author	26.03.	Hamann
Check	26.03.	Wiedmann

DIN A4
M 1:1

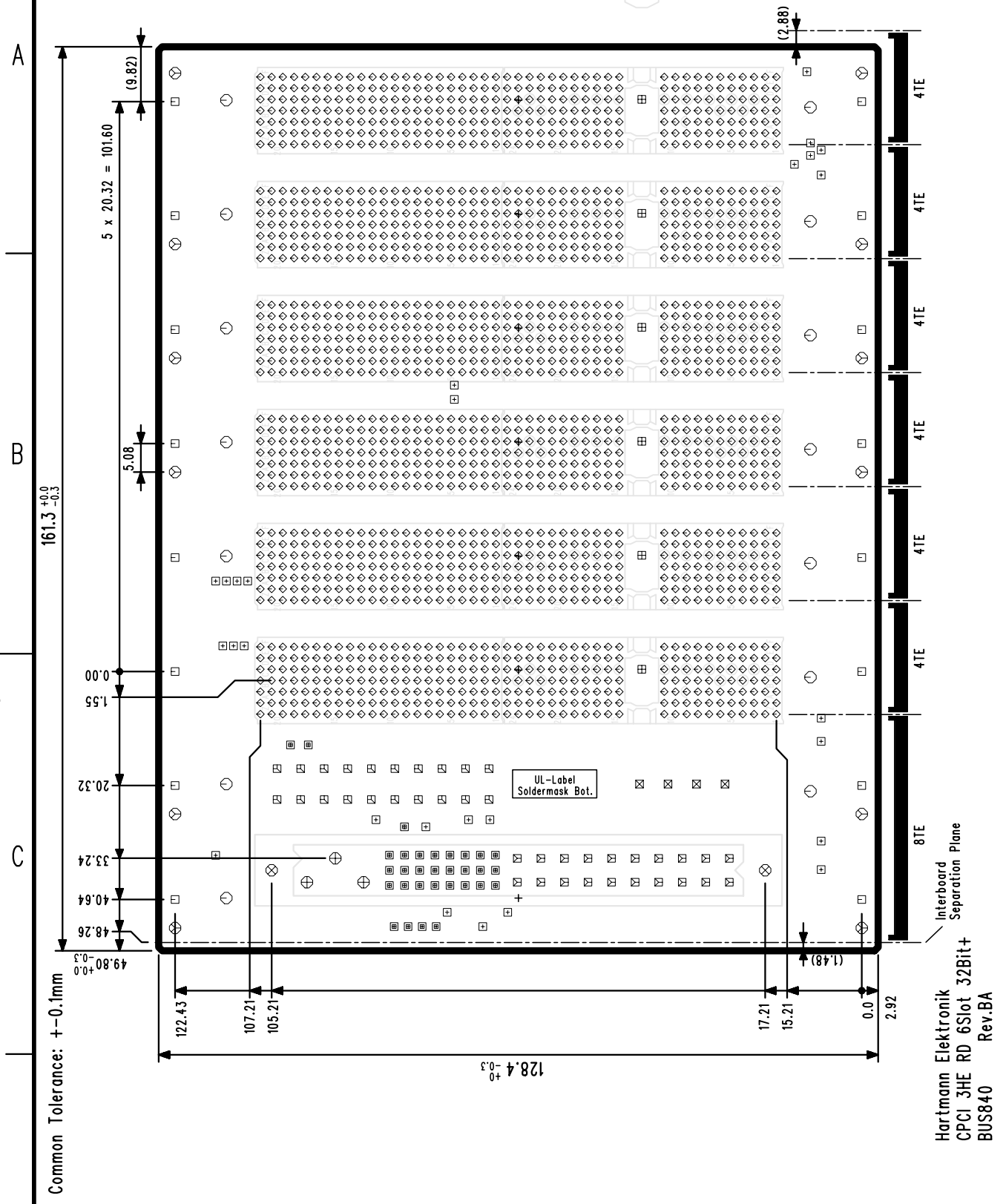
HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

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

Number

Sheet of

Device: HE-C33RD065--4 File: BUS840BA



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				2003	Date	Name
				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

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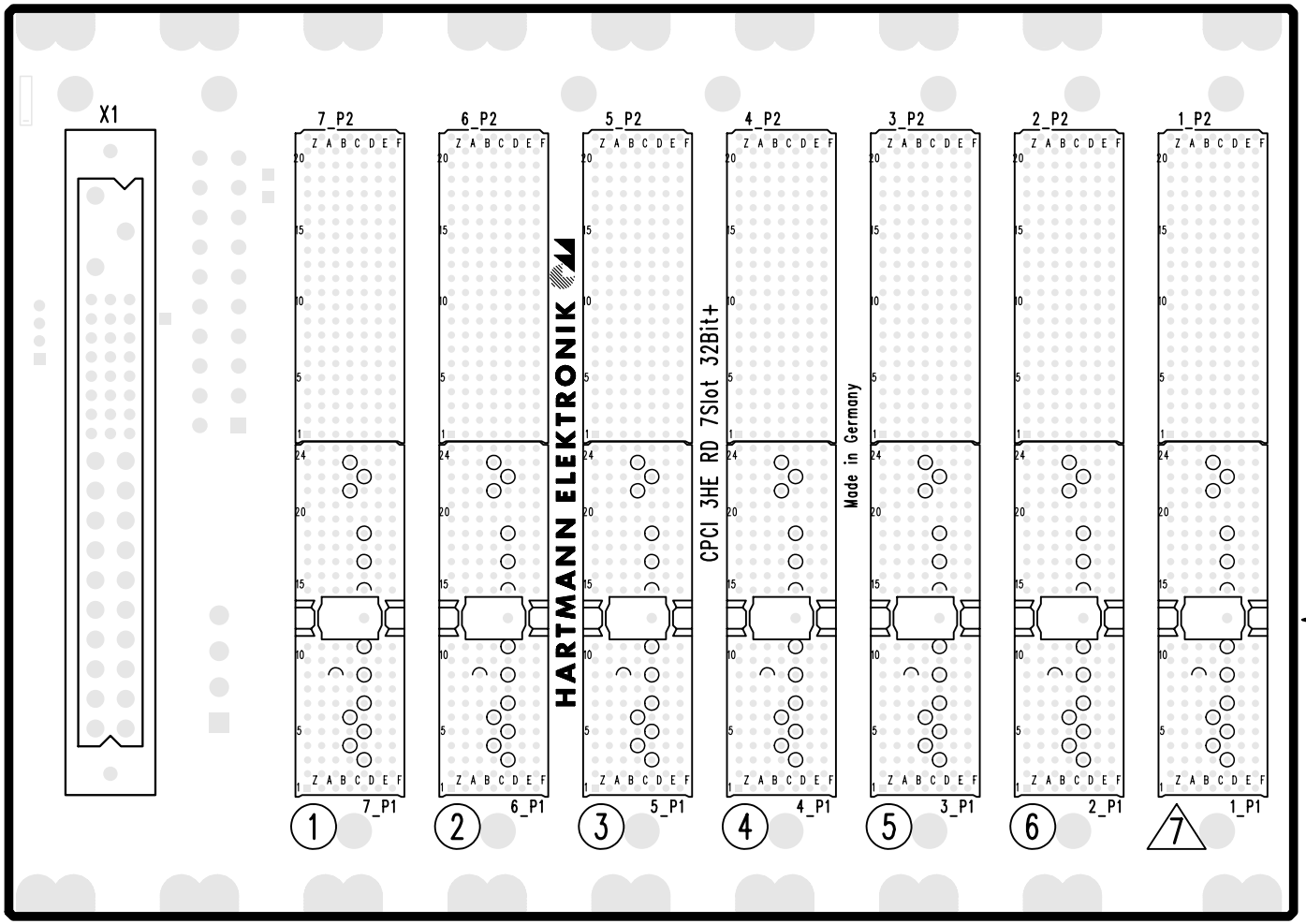
TOP VIEW



Coding Key	
V(I/O)	
+3.3V	+5V
Cadmium Yellow	Brilliant Blue

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

Silkscreen Top
Pads Top

Rev	Description	Date	Name

2003		
Author	30.10.	Wiedmann
Check	30.10.	Wiedmann

DIN A4
M 1:1

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

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

Number

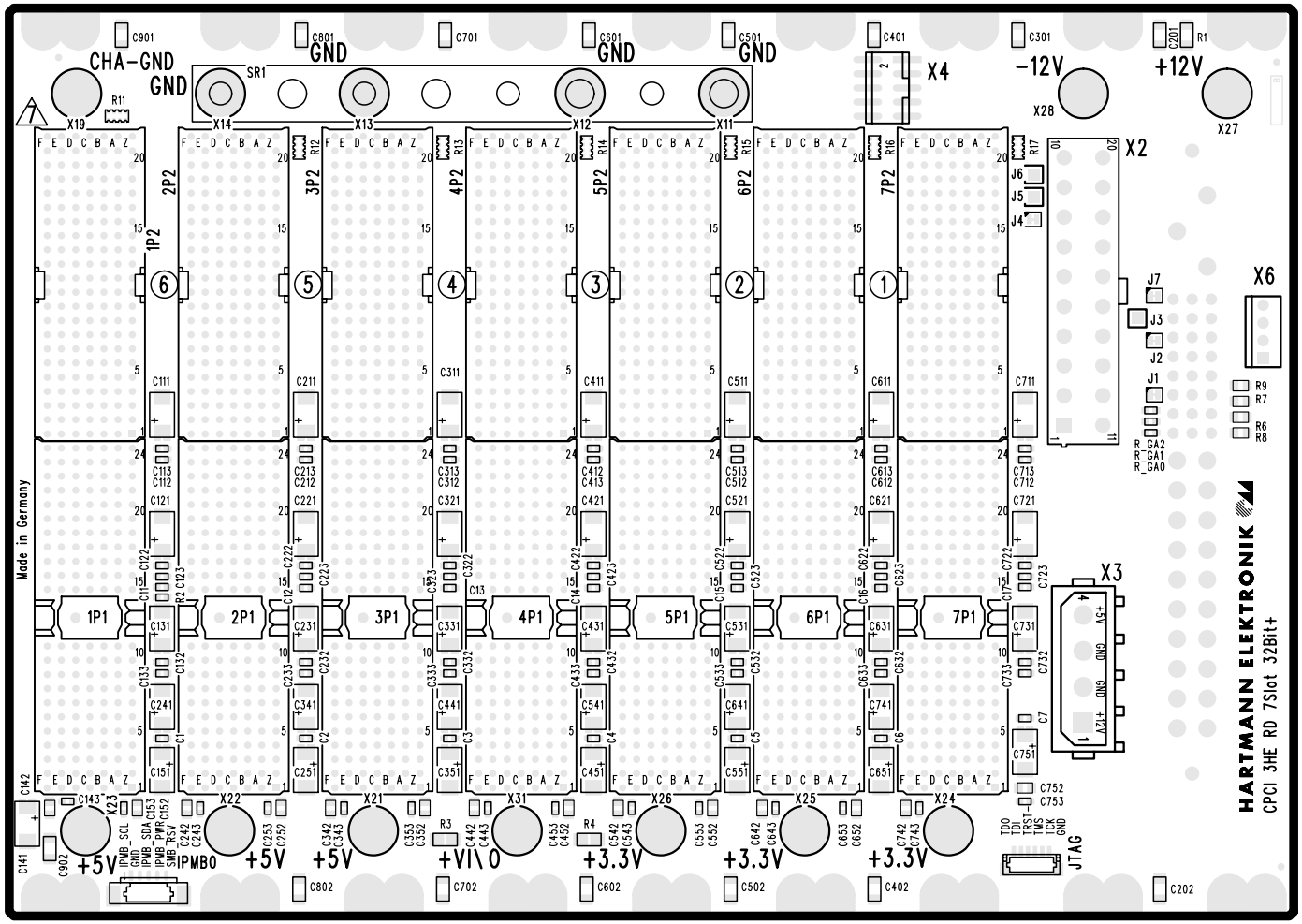
Sheet of

Device: HE-C33RD074--4
File: BUS842BA

All rights reserved

Without geographic adressing on request

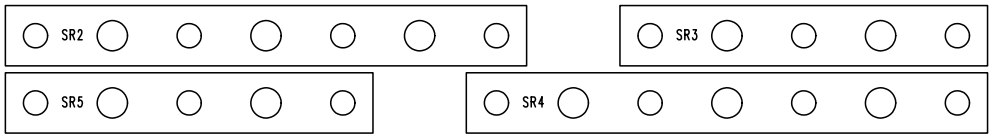
BOTTOM VIEW



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

		Name
2003		
Author	30.10.	Wiedmann
Check	30.10.	Wiedmann

DIN A4
M 1:1

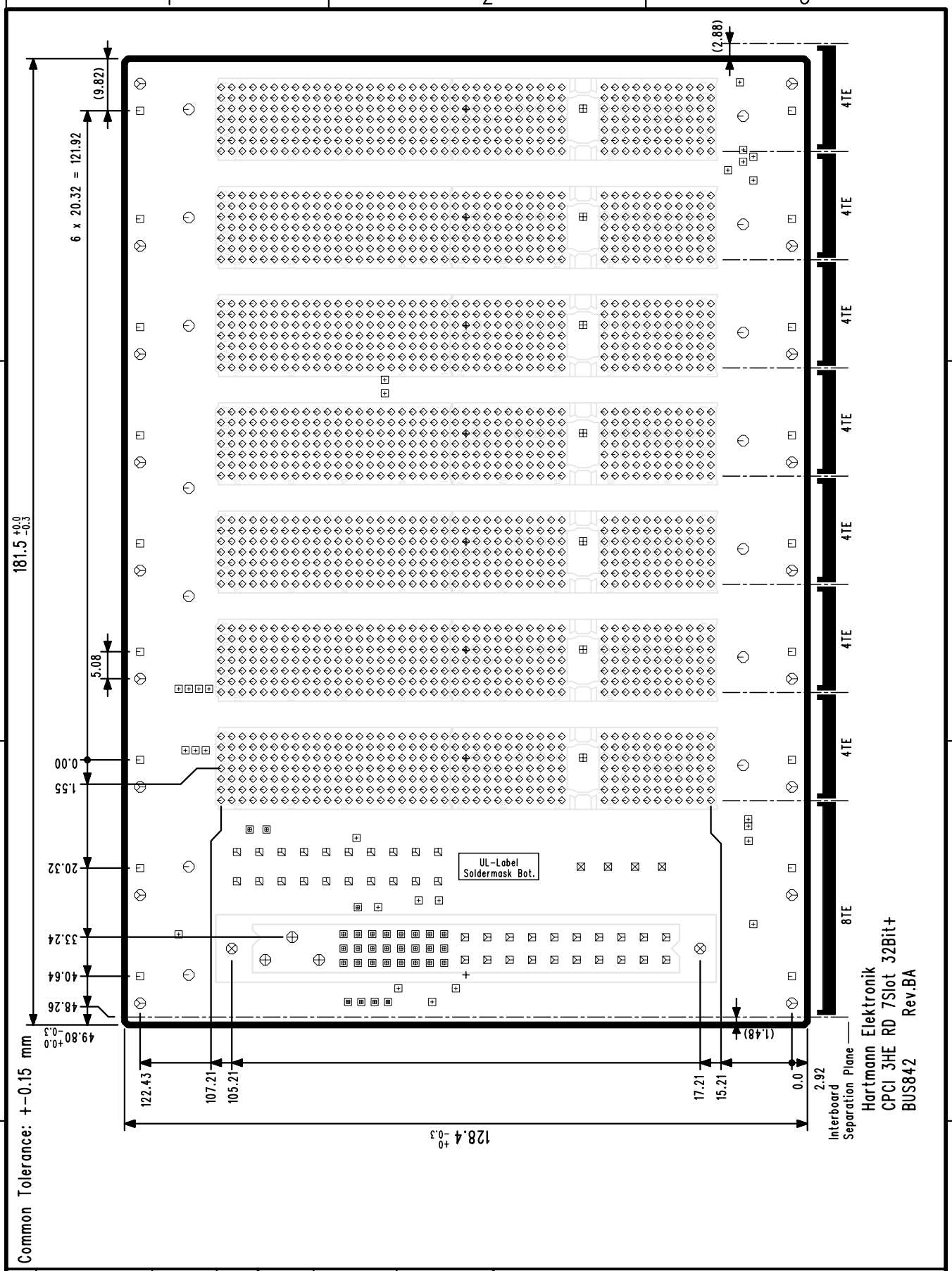
HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

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

Number

Sheet of

Device: HE-C33RD074--4 File: BUS842BA



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Common Tolerance: +-0.15 mm

	Date	Name
2003		
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

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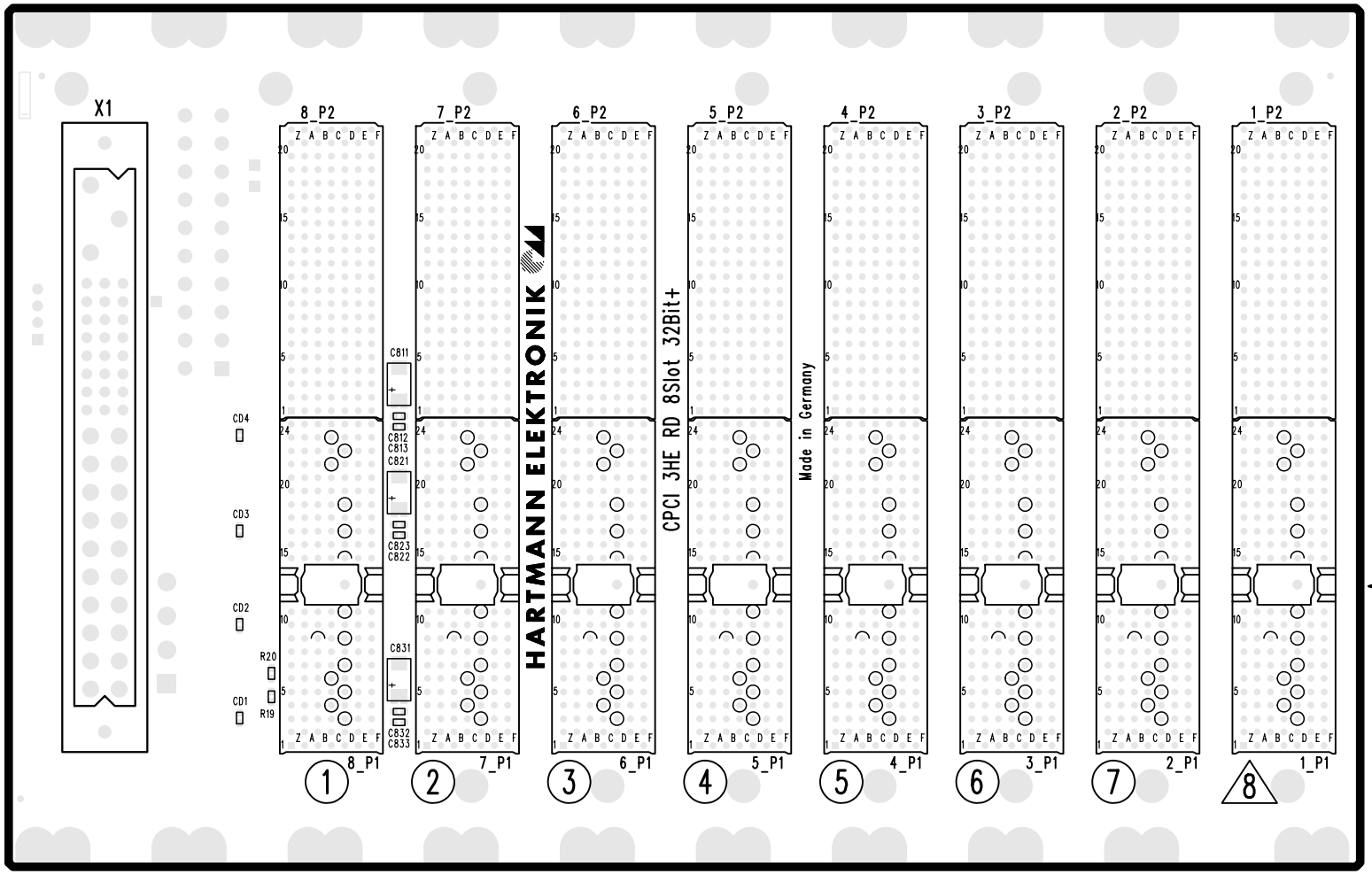
TOP VIEW



Coding Key	
V(I/O)	
+3.3V	+5V
Cadmium Yellow	Brilliant Blue

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

Silkscreen Top
Pads Top

Rev	Description	Date	Name

		Name
2003		
Author	29.10.	Wiedmann
Check	29.10.	Hamann

DIN A4
M 1:1

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

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

Number

Sheet of

Device: HE-C33RD084--4
File: BUS841BA

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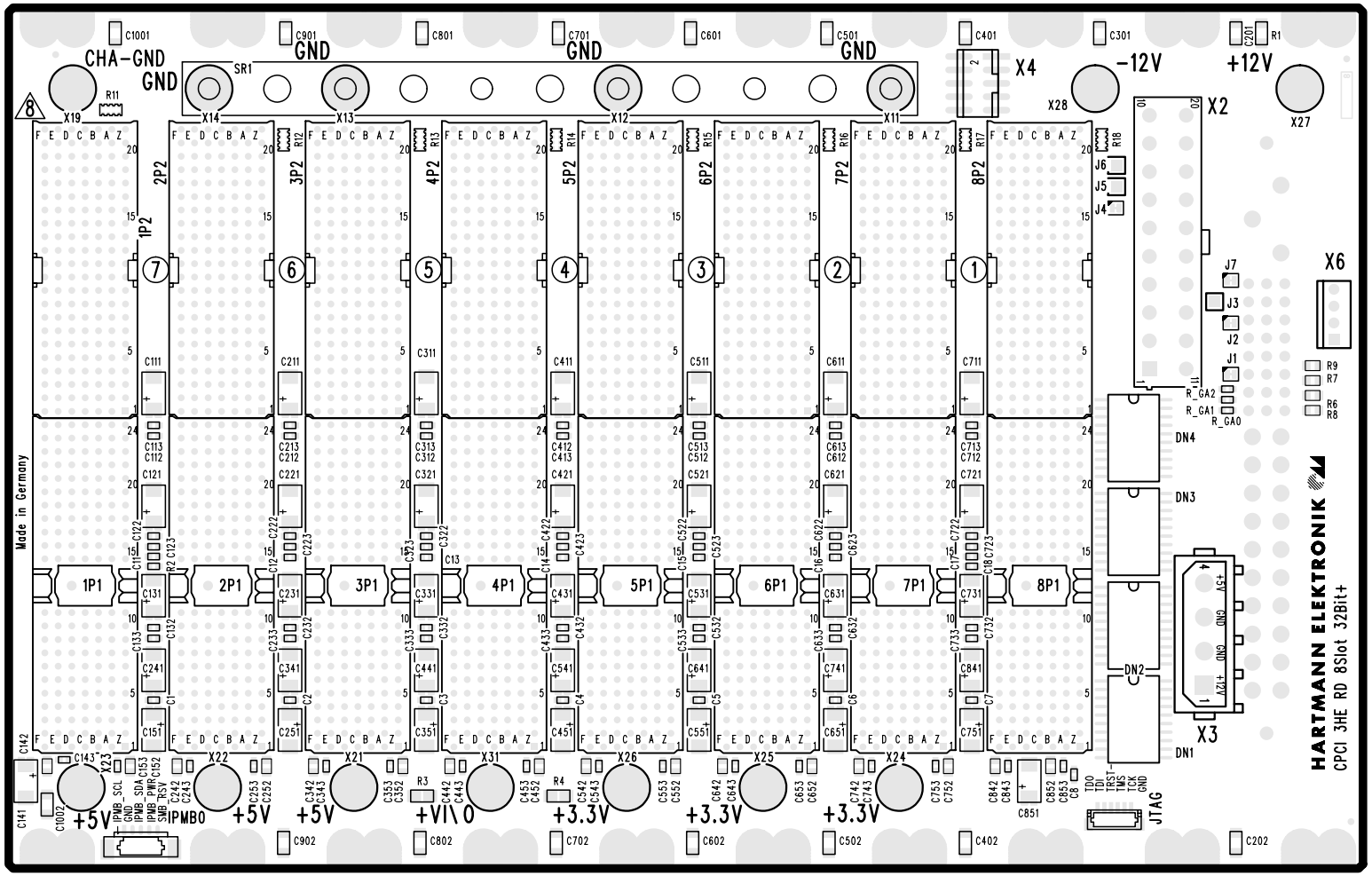
Without geographic adressing on request

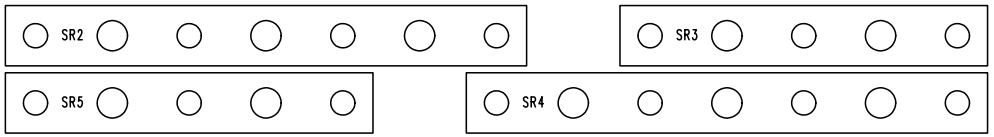
BOTTOM VIEW



Shrouds 1P1- 6P1
on request

Busbar for +5V keying

Busbar for +3.3V keying



Silkscreen Bottom
Pads Bottom

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

Rev	Description	Date	Name

		Name
2003		
Author	29.10.	Wiedmann
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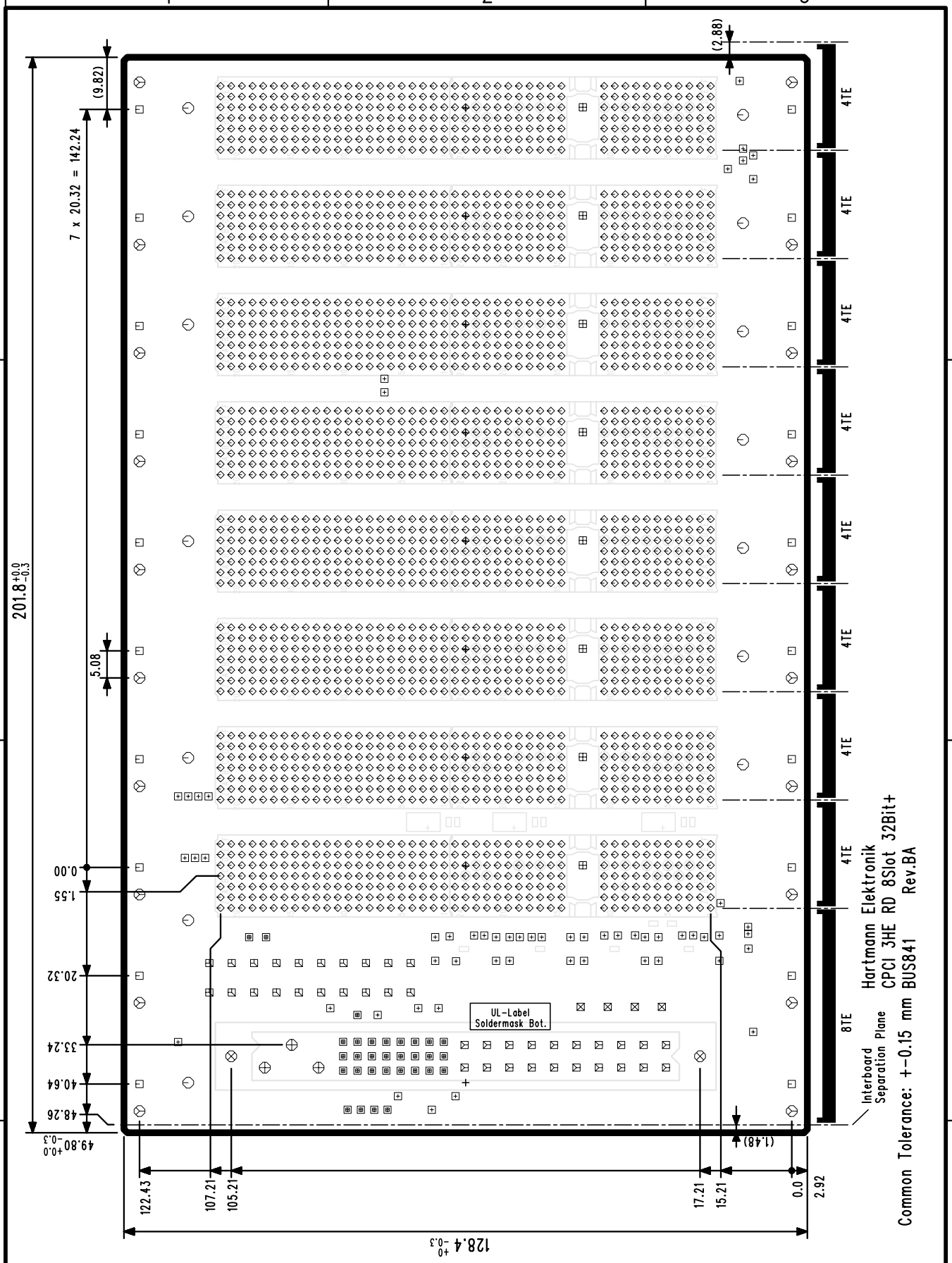
HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

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

Number

Device: HE-C33RD084--4 File: BUS841BA

Sheet of



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	Name	Date
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Author	Wiedmann	29.10.
Check	Hamann	29.10.

DIN A4
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Title: Hartmann Elektronik
CPCI 3HE RD 8Slot 32Bit+
BUS841 Rev.BA

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MOTORSTRASSE 43
D-70499 STUTTGART

Number

Sheet of

Device: HE-C33RD084--4 File: BUS841BA

Rev	Description	Date	Name