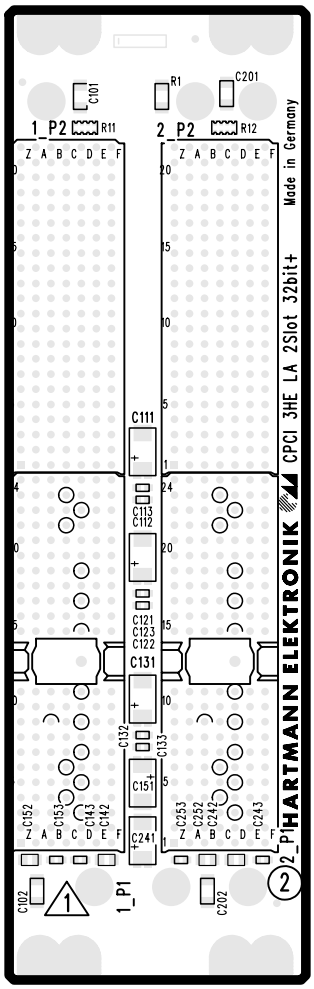


Coding Key	
V(I/O)	
+3.3V	+5V
Cadmium Yellow	Brilliant Blue

Hartmann Elektronik
CPCI 3HE LA 2Slot 32bit+
BUS752 Rev.BB

Silkscreen Top
Pads Top

				2007	Date	Name
				Author	13.02.	Wiedmann
				Check	13.02.	Wiedmann
						DIN A4
						M 1:1
Rev	Description	Date	Name			

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

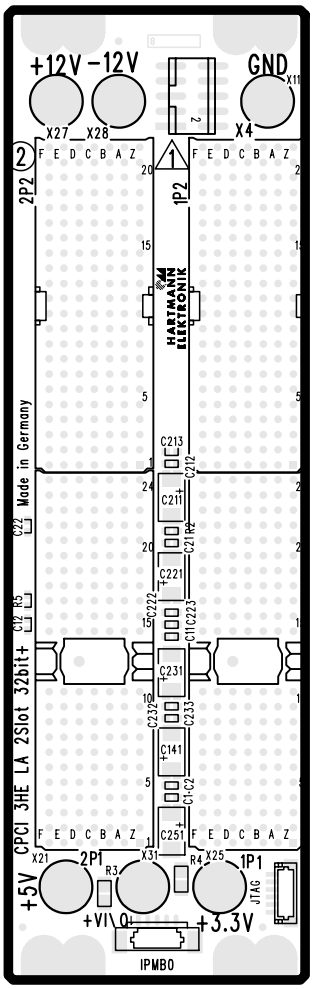
Title
Hartmann Elektronik
CPCI 3HE LA 2Slot 32bit+
BUS752 Rev.BB

Number

Sheet
of

Device: HE-C33LA02---4 File: BUS752BB

All rights reserved



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)

IPMBO
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 V(I/O) = 5V SR2

Busbar V(I/O) = 3.3V SR3

Silkscreen Bottom
Pads Bottom

Hartmann Elektronik
CPCI 3HE LA 2Slot 32bit+
BUS752 Rev.BB

				2007	Date	Name
				Author	13.02.	Wiedmann
				Check	13.02.	Wiedmann
						DIN A4
						M 1:1
Rev	Description	Date	Name			

Title: Hartmann Elektronik
CPCI 3HE LA 2Slot 32bit+
BUS752 Rev.BB

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Number

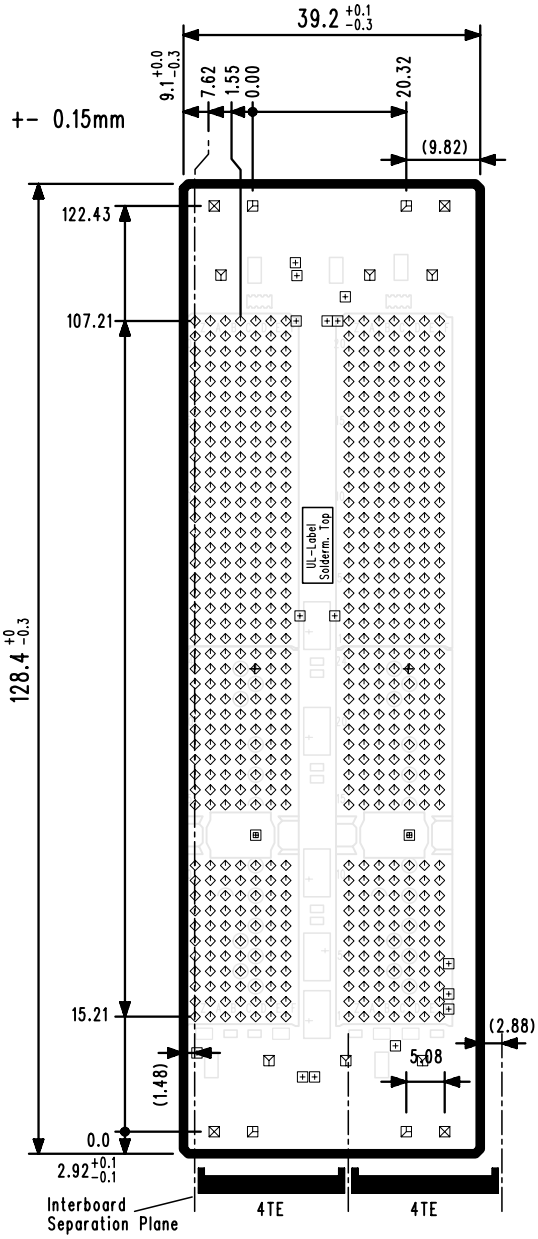
Sheet

of

Device: HE-C33LA02---4 File: BUS752BB

All rights reserved

Common tollerance: +- 0.15mm



Hartmann Elektronik
CPCI 3HE LA 2Slot 32bit+
BUS752 Rev.BB

				2007	Date	Name	Title	Hartmann Elektronik
				Author	13.02.	Wiedmann		CPCI 3HE LA 2Slot 32bit+
				Check	13.02.	Wiedmann		BUS752 Rev.BB
						DIN A4 M 1:1		
				HARTMANN ELEKTRONIK MOTORSTRASSE 43 D-70499 STUTTGART			Number	Sheet of
Rev	Description	Date	Name				Device: HE-C33LA02---4	File: BUS752BB

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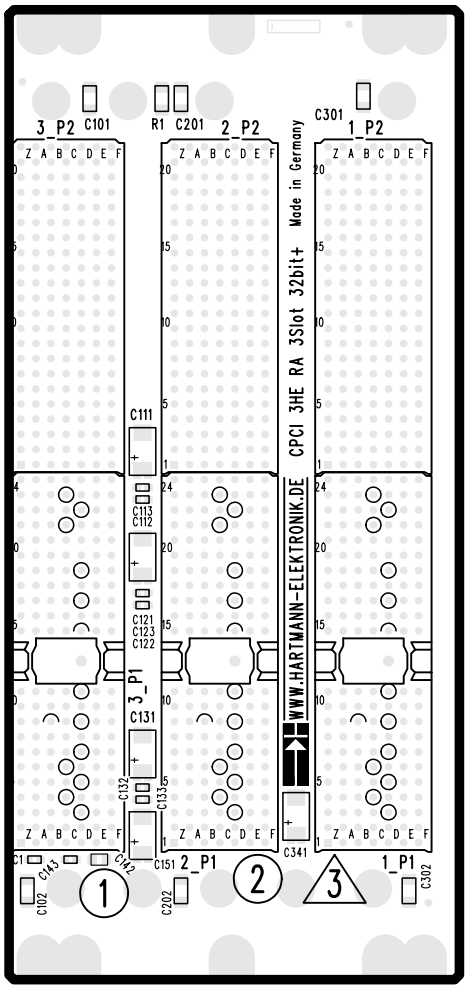
TOP VIEW



Keying

+5V +3.3V

Brilliant Blue

Cadmium Yellow

Hartmann Elektronik
CPCI 3HE RA 3Slot 32bit+
BUS675 Rev.BA

Silkscreen Top
Pads Top

				2000	Date	Name
				Author	30.11.	Hamann
				Check	30.11.	Hamann
						DIN A4
						M 1:1
Rev	Description	Date	Name			

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Title: Hartmann Elektronik
CPCI 3HE RA 3Slot 32bit+
BUS675 Rev.BA

Number

Sheet

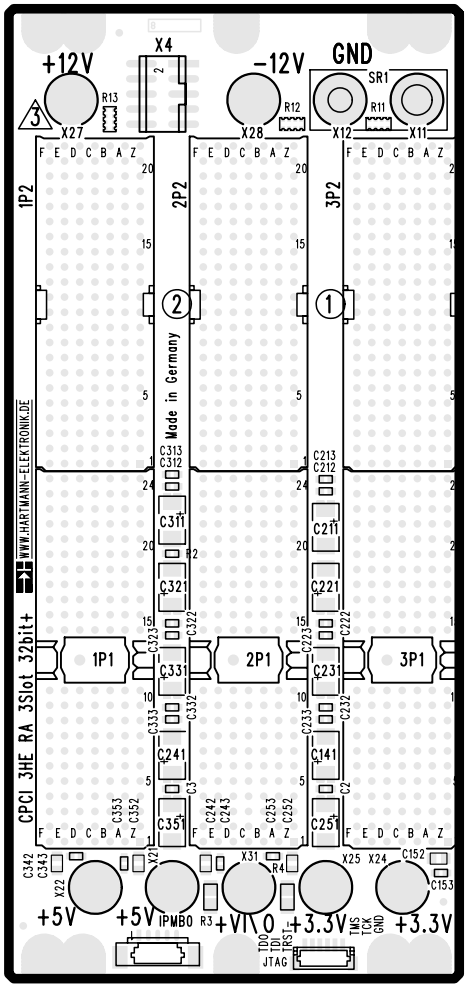
of

Device: HE-C33RA035--4 File: BUS675BA

All rights reserved

Without geographic adressing on request

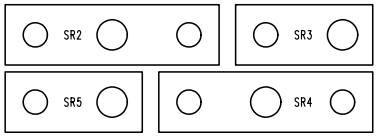
BOTTOM VIEW



Shrouds
1P1 – 3P1
on request

Busbar for +5V keying

Busbar for +3.3V keying

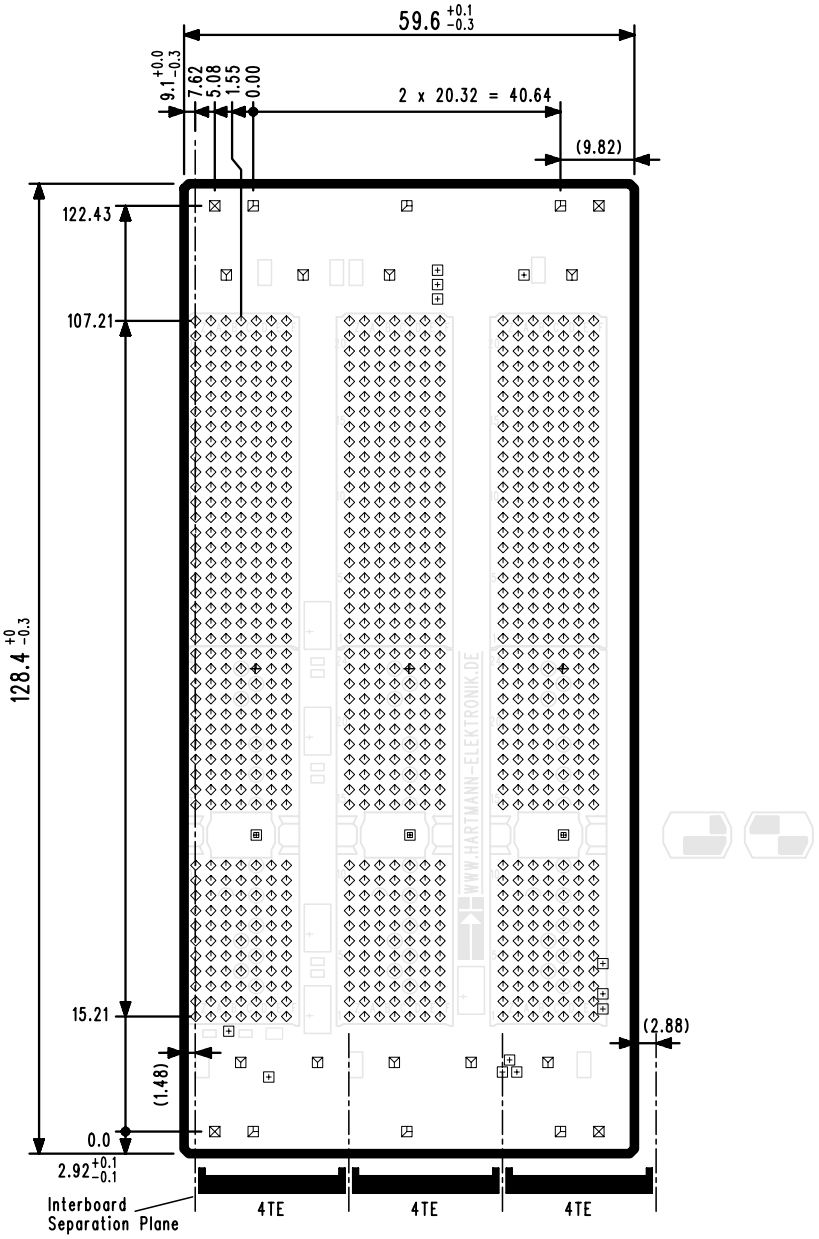


Hartmann Elektronik
CPCI 3HE RA 3Slot 32bit+
BUS675 Rev.BA

Silkscreen Bottom
Pads Bottom

All rights reserved

				2000	Date	Name	Title
				Author	30.11.	Hamann	Hartmann Elektronik
				Check	30.11.	Hamann	CPCI 3HE RA 3Slot 32bit+
						DIN A4	BUS675 Rev.BA
						M 1:1	
Rev	Description	Date	Name	HARTMANN ELEKTRONIK MOTORSTRASSE 43 D-70499 STUTTGART			Number / Sheet / of
							Device: HE-C33RA035--4 File: BUS675BA



Hartmann Elektronik
CPCI 3HE RA 3Slot 32bit+
BUS675 Rev.BA

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				2000	Date	Name	Title
				Author	30.11.	Hamann	Hartmann Elektronik
				Check	30.11.	Hamann	CPCI 3HE RA 3Slot 32bit+
						DIN A4	BUS675 Rev.BA
						M 1:1	
Rev	Description	Date	Name	HARTMANN ELEKTRONIK MOTORSTRASSE 43 D-70499 STUTTGART			Number / Sheet / of
							Device: HE-C33RA035--4 File: BUS675BA

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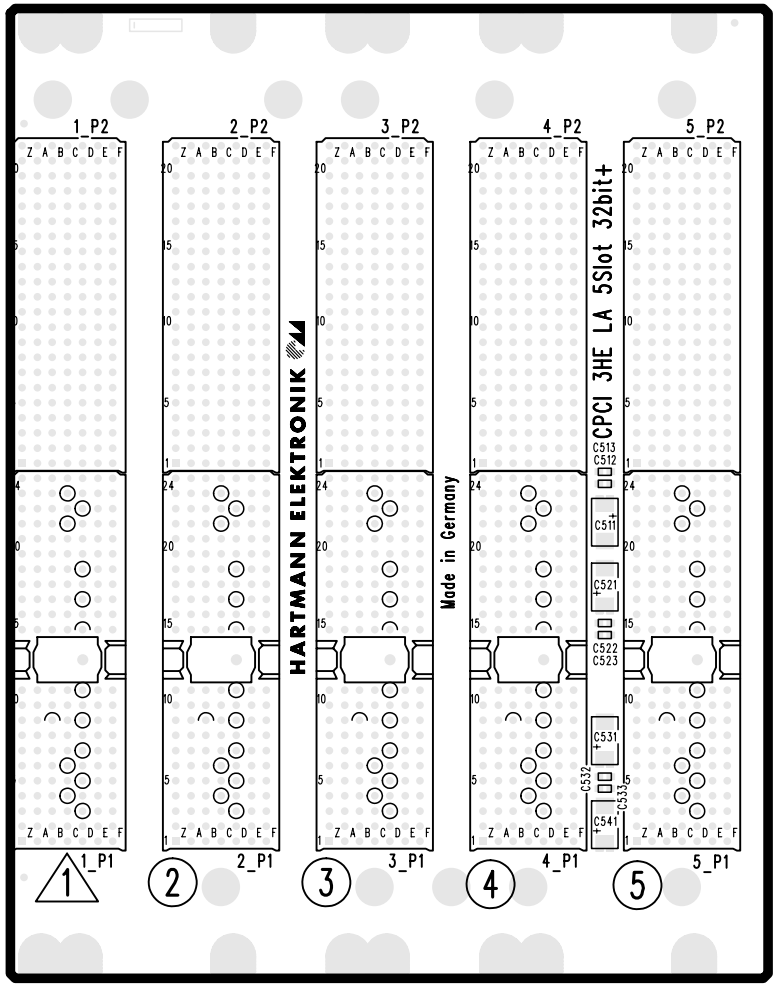
Coding Key	
V(I/O)	
+3.3V	+5V
Cadmium Yellow	Brilliant Blue



Hartmann Elektronik
CPCI 3HE LA 5Slot 32bit+
BUS751 Rev.BA

Silkscreen Top Pads Top

Rev	Description	Date	Name

2006		
Author	22.05.	Wiedmann
Check	22.05.	Wiedmann

DIN A4
M 1:1

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Title: Hartmann Elektronik
CPCI 3HE LA 5Slot 32bit+
BUS751 Rev.BA

Number

Sheet of

Device: HE-C33LA05--14 File: BUS751BA

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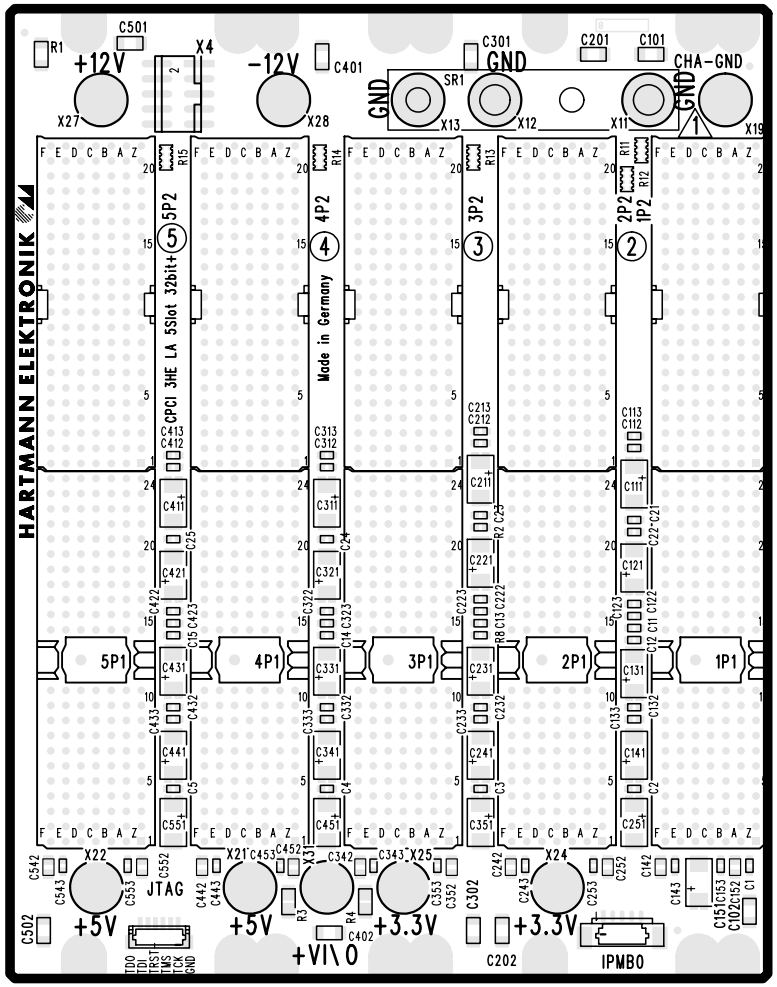
X4 Pin Assignment

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)

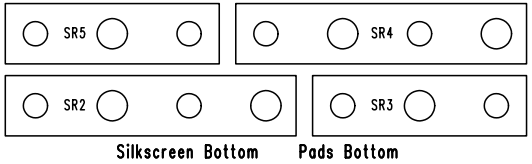


JTAG Pin Assignment

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

IPMB0 Pin Assignment

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



Busbar V(I/O) = 3.3V

Busbar V(I/O) = 5V

Hartmann Elektronik
CPCI 3HE LA 5Slot 32bit+
BUS751 Rev.BA

Rev	Description	Date	Name

	2006	
Author	22.05.	Wiedmann
Check	22.05.	Wiedmann

DIN A4
M 1:1

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Title: Hartmann Elektronik
CPCI 3HE LA 5Slot 32bit+
BUS751 Rev.BA

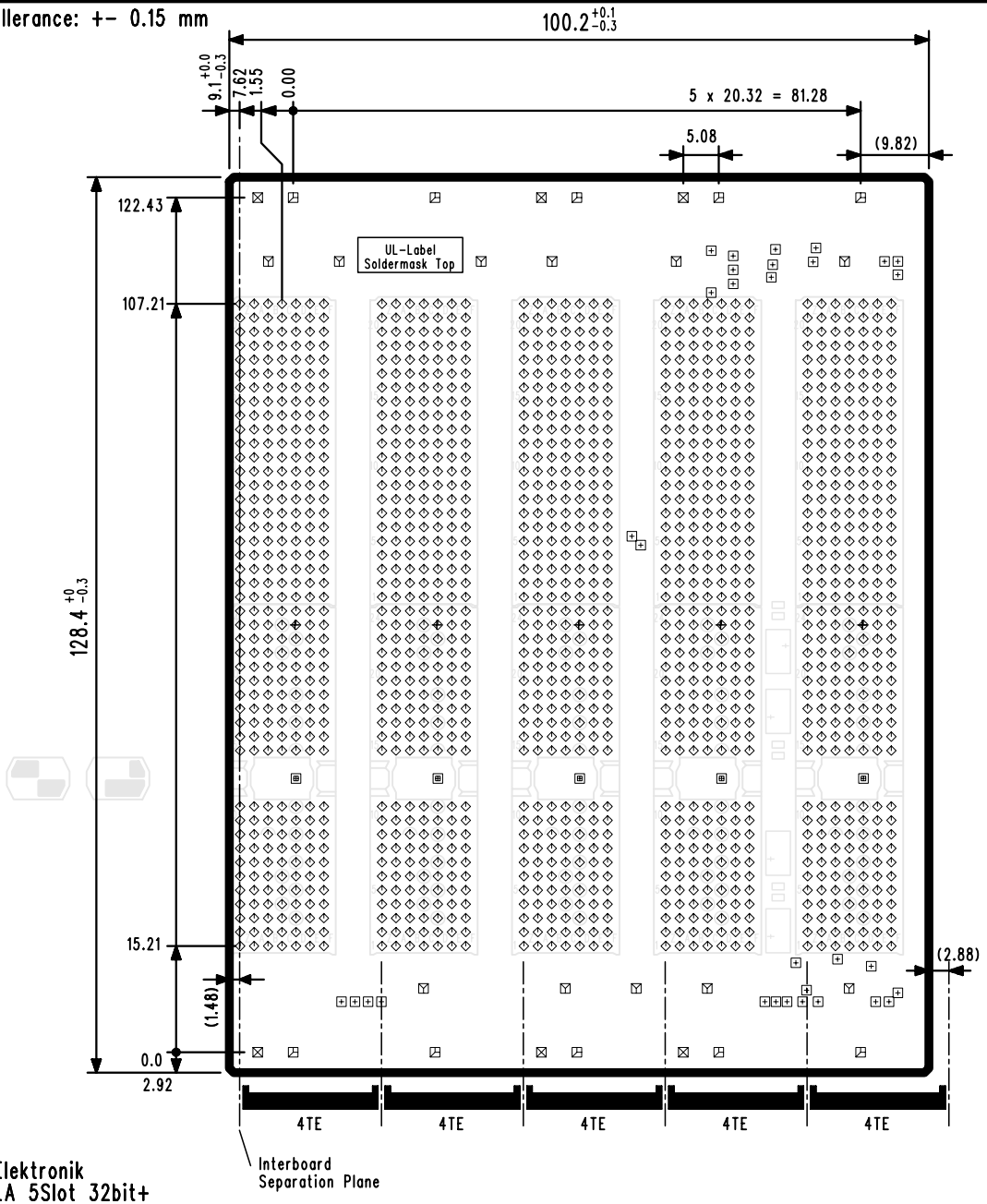
Number

Sheet of

Device: HE-C33LA05--14 File: BUS751BA

All rights reserved

Common tollerance: +- 0.15 mm



Hartmann Elektronik
CPCI 3HE LA 5Slot 32bit+
BUS751 Rev.BA

Rev	Description	Date	Name

2006		
Author	22.05.	Wiedmann
Check	22.05.	Wiedmann

DIN A4
M 1:1

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Title: Hartmann Elektronik
CPCI 3HE LA 5Slot 32bit+
BUS751
Rev.BA

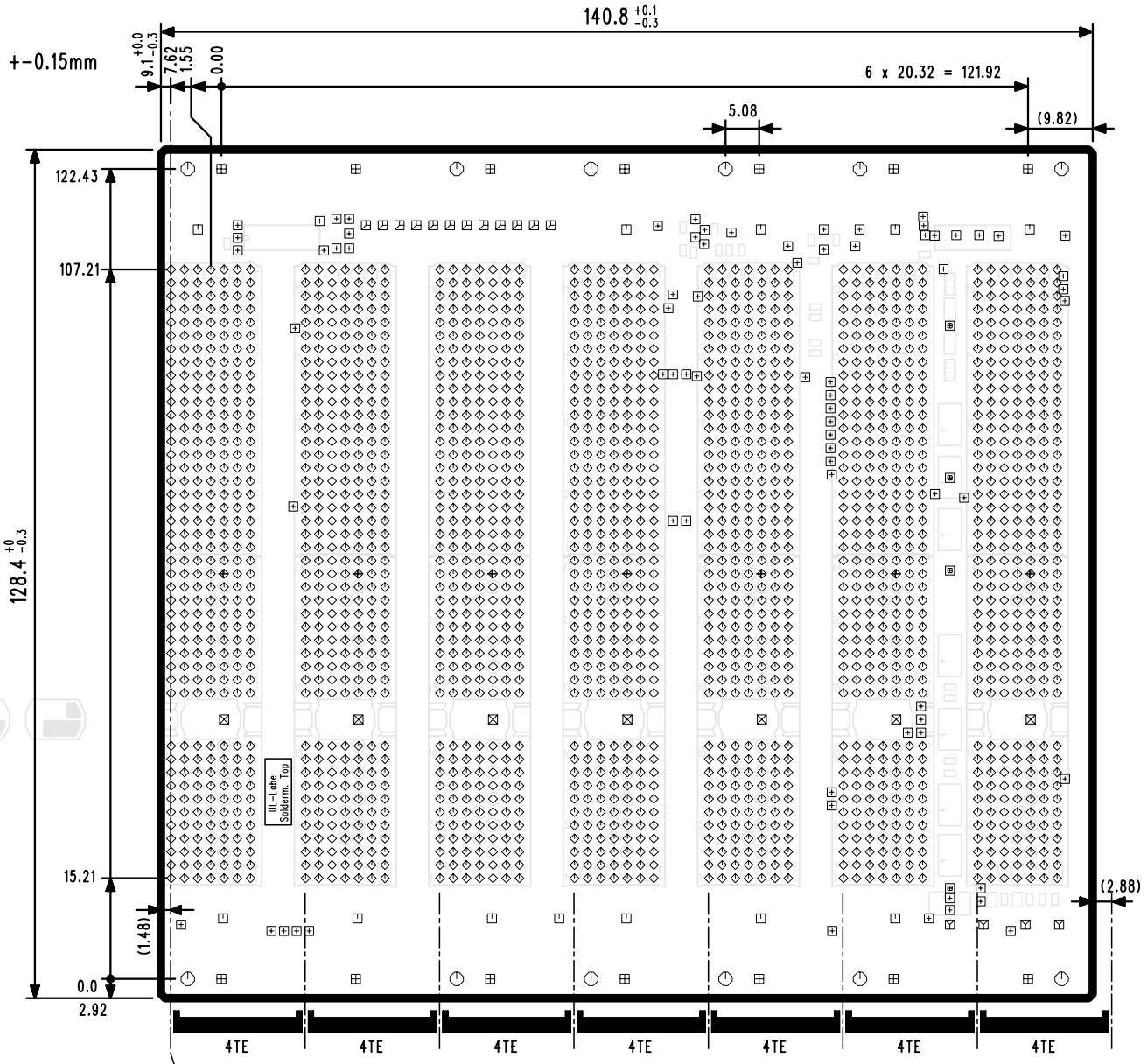
Number

Sheet of

Device: HE-C33LA05--14 File: BUS751BA

All rights reserved

Common tolerance: +-0.15mm



Hartmann Elektronik
CPCI 3HE LA PXI Master 7Slot 32bit
BUS880 Rev.BA

Rev	Description	Date	Name

		Name
2004		
Author	22.06.	Wiedmann
Check	22.06.	Hamann

DIN A4
M 1:1

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Title
Hartmann Elektronik
CPCI 3HE LA PXI Master 7Slot 32bit
BUS880
Rev.BA

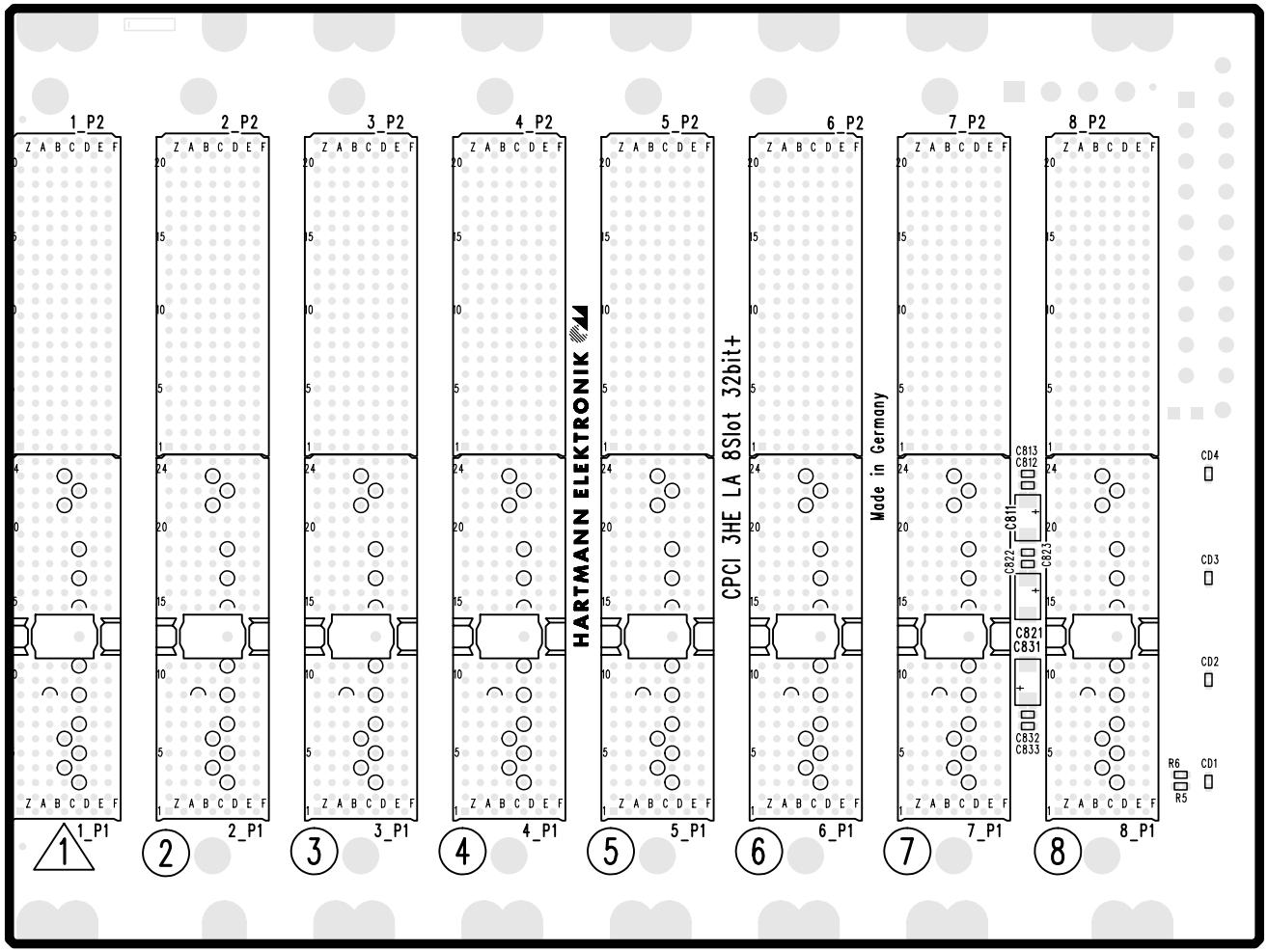
Number

Sheet of

Device: HE-C33LAM71-14 File: BUS880BA

All rights reserved

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



Hartmann Elektronik
CPCI 3HE LA 8Slot 32bit+
BUS750 Rev.BB

Silkscreen Top Pads Top

Rev	Description	Date	Name

2008		
Author	04.01.	Wiedmann
Check	04.01.	Wiedmann

DIN A4
M 1:1

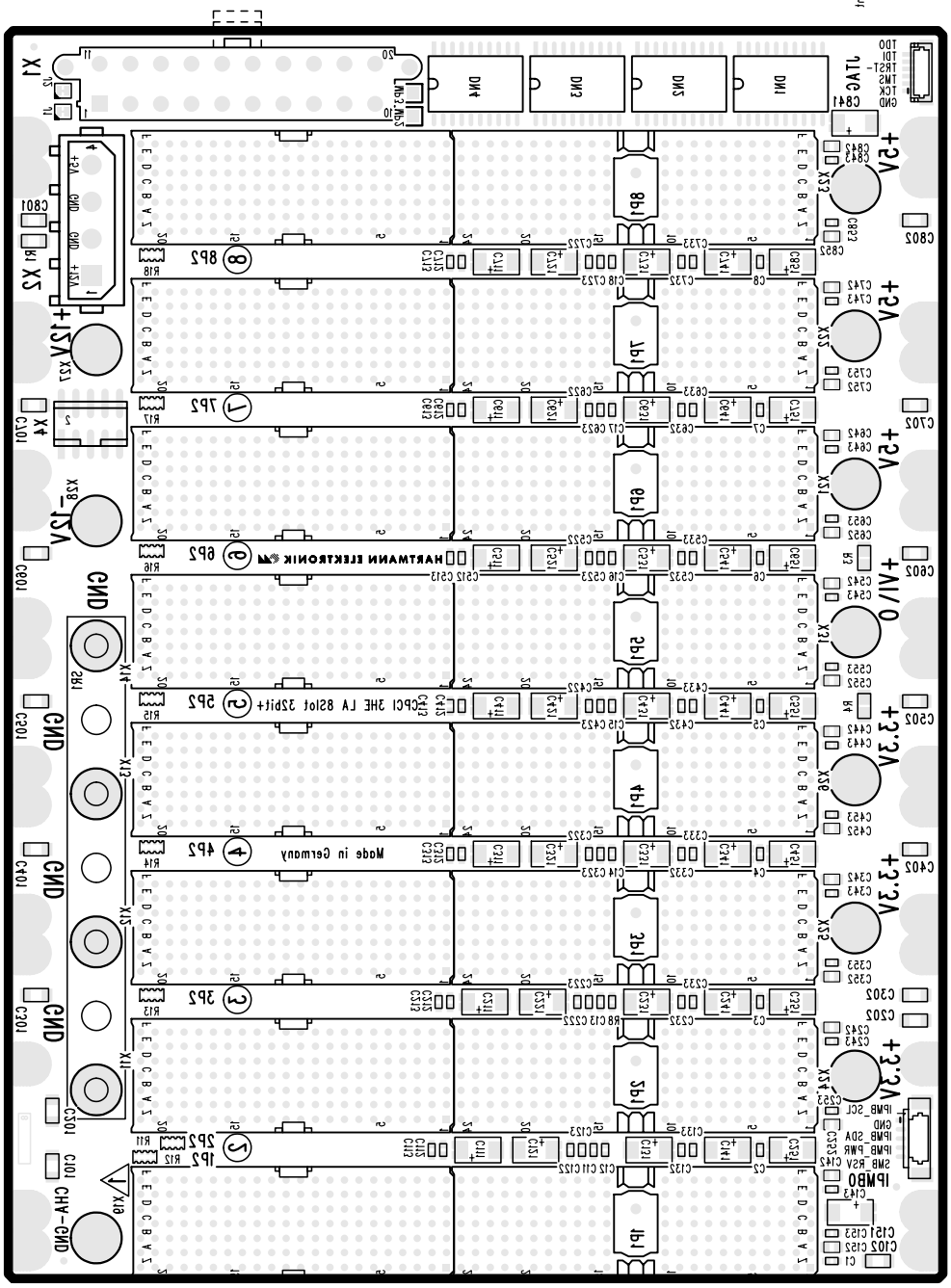
HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Title: Hartmann Elektronik
CPCI 3HE LA 8Slot 32bit+
BUS750 Rev.BB

Number

Sheet of

Device: HE-C33LA08--14 File: BUS750BB


Pads Top
Silkscreen Bottom
Busbar V(I/O) = 3.3V
Busbar V(I/O) = 5V
Hartmann Elektronik
CPCI 3HE LA 8Slot 32bit+
BUS750 Rev.BB
HARTMANN ELEKTRONIK
Made in Germany
CPCI 3HE LA 8Slot 32bit+
GND
+12V
-12V
+5V
+3.3V
+VIO
JTAG
IPMB0
X1
X2
X4
X8
X9
X11
X12
X13
X14
X15
X16
X17
X18
X19
X20
X21
X22
X23
X24
X25
X26
X27
X28
X29
X30
X31
X32
X33
X34
X35
X36
X37
X38
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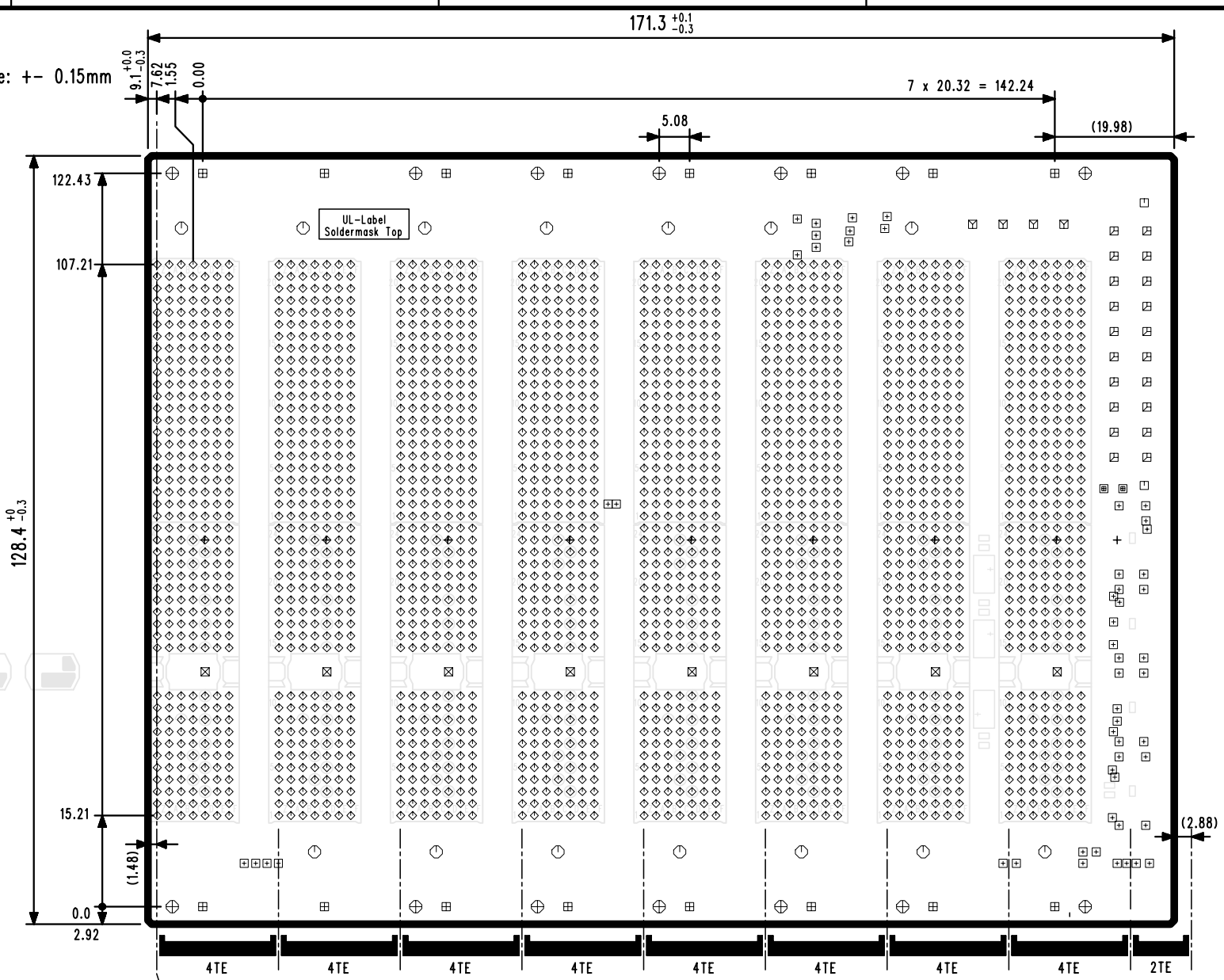
X48
X49
X50

All rights reserved

Common tolerance: +- 0.15mm



Hartmann Elektronik
CPCI 3HE LA 8Slot 32bit+
BUS750 Rev.BB

Rev	Description	Date	Name

		Name
2008	Date	
Author	04.01.	Wiedmann
Check	04.01.	Wiedmann

DIN A4
M 1:1

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Title: Hartmann Elektronik
CPCI 3HE LA 8Slot 32bit+
BUS750 Rev.BB

Number

Device: HE-C33LA08--14

File: BUS750BB

Sheet of

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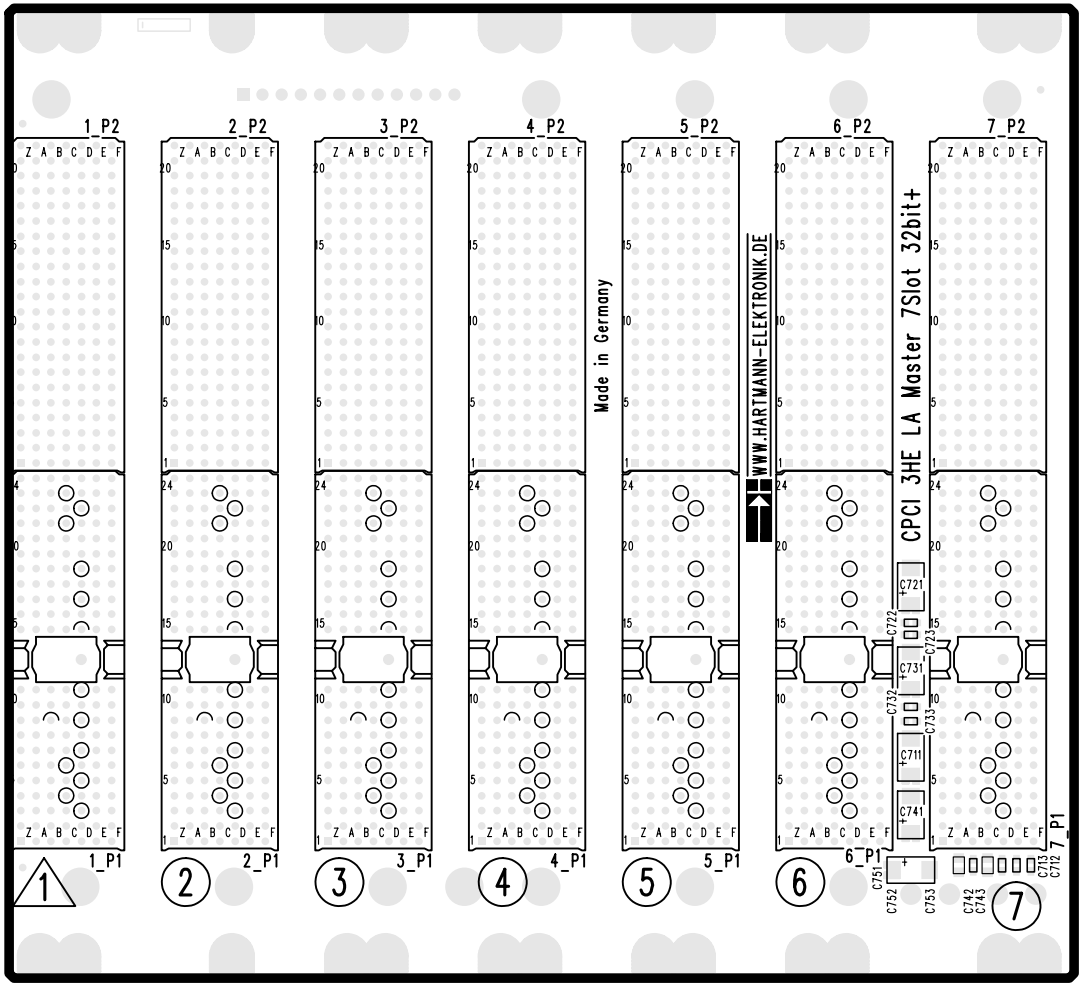
Top view

Without geographic addressing on request



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

Hartmann Elektronik
CPCI 3HE LA Master 7Slot 32bit+
BUS810 Rev.BA

Silkscreen Top Pads Top

Rev	Description	Date	Name

	Date	Name
	2002	
Author	25.04.	Hamann
Check	25.04.	Keko

DIN A4
M 1:1

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Title: Hartmann Elektronik
CPCI 3HE LA Master 7Slot 32bit+
BUS810
Rev.BA

Number

Sheet of

Device: HE-C33LAM74-14
File: BUS810BA

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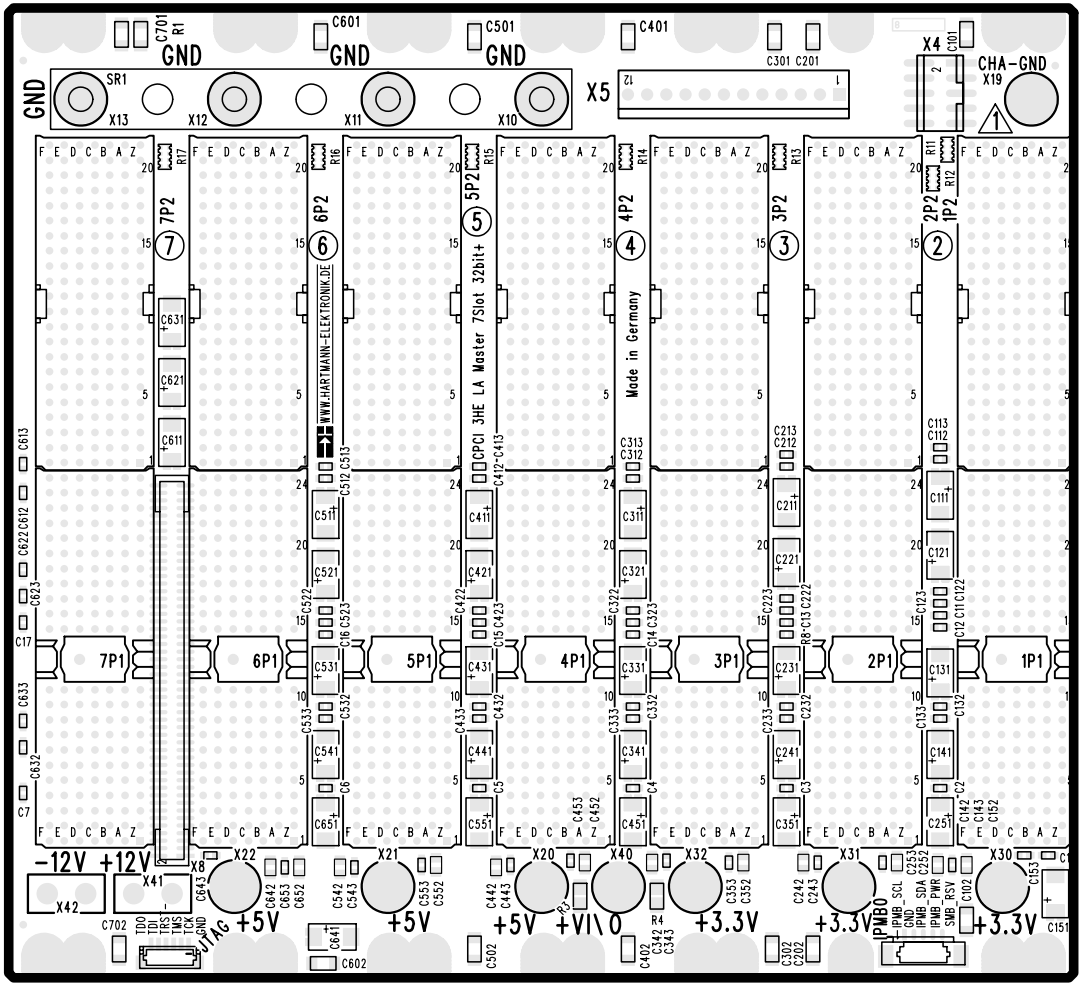
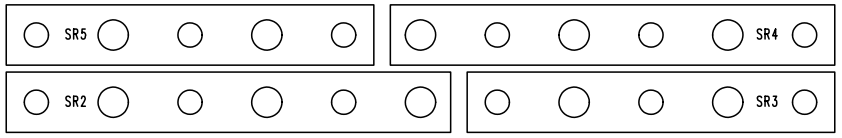
Bottom view





Busbar V(I/O) = 3.3V

Busbar V(I/O) = 5V

Hartmann Elektronik
CPCI 3HE LA Master 7Slot 32bit+
BUS810 Rev.BA

Silkscreen Bottom Pads Bottom

Rev	Description	Date	Name

	2002	
Author	25.04.	Hamann
Check	25.04.	Keko

DIN A4
M 1:1

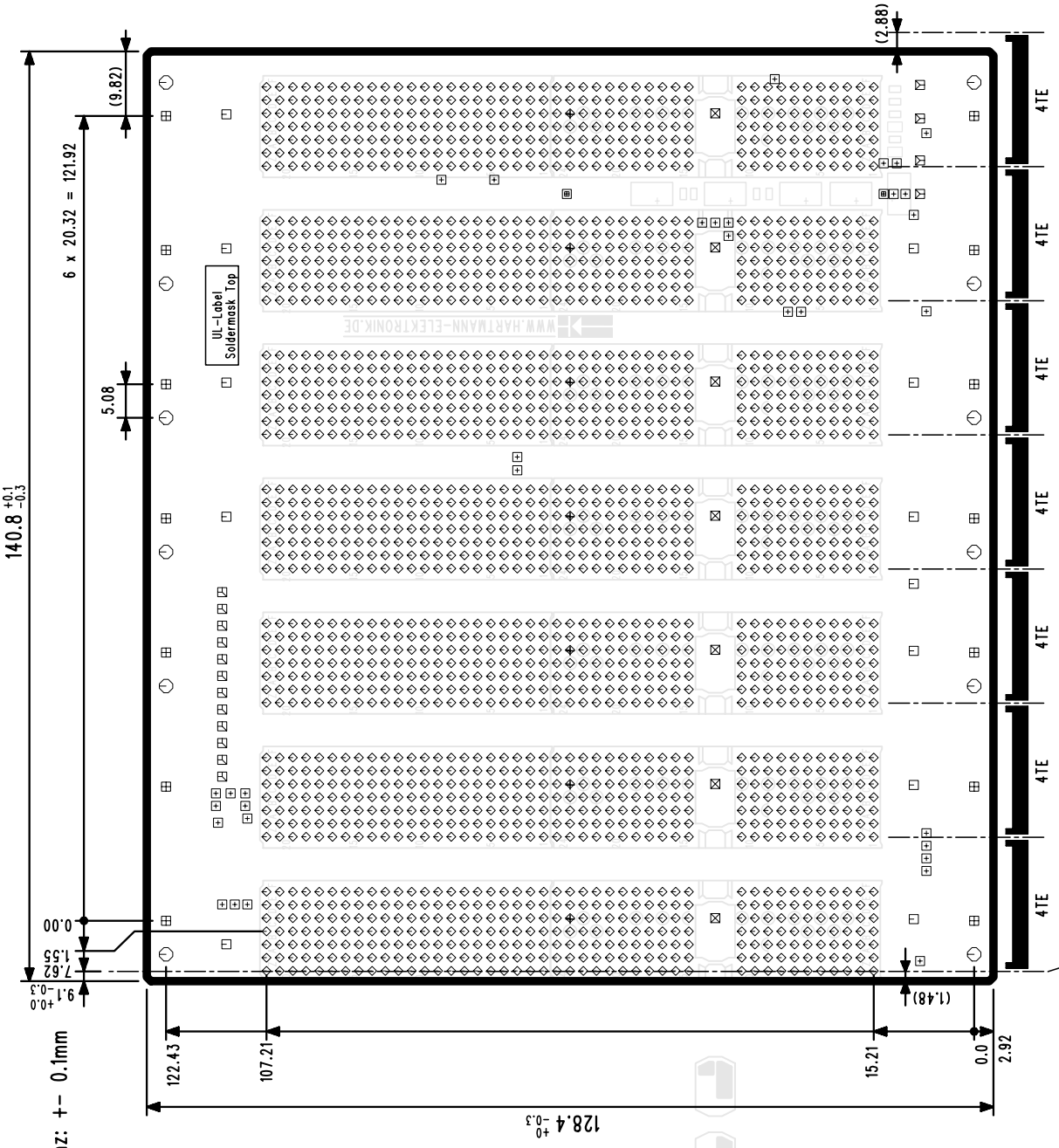
HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Title
Hartmann Elektronik
CPCI 3HE LA Master 7Slot 32bit+
BUS810
Rev.BA

Number

Sheet of

Device: HE-C33LAM74-14 File: BUS810BA



Allgemeintolleranz: +- 0.1mm

Hartmann Elektronik
CPCI 3HE LA Master 7Slot 32bit+
BUS810 Rev.BA

All rights reserved

Rev	Description	Date	Name

2002	Date	Name
Author	25.04.	Hamann
Check	25.04.	Keko

DIN A4
M 1:1

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Title
Hartmann Elektronik
CPCI 3HE LA Master 7Slot 32bit+
BUS810 Rev.BA

Number

Sheet
of

Device: HE-C33LAM74-14 File: BUS810BA

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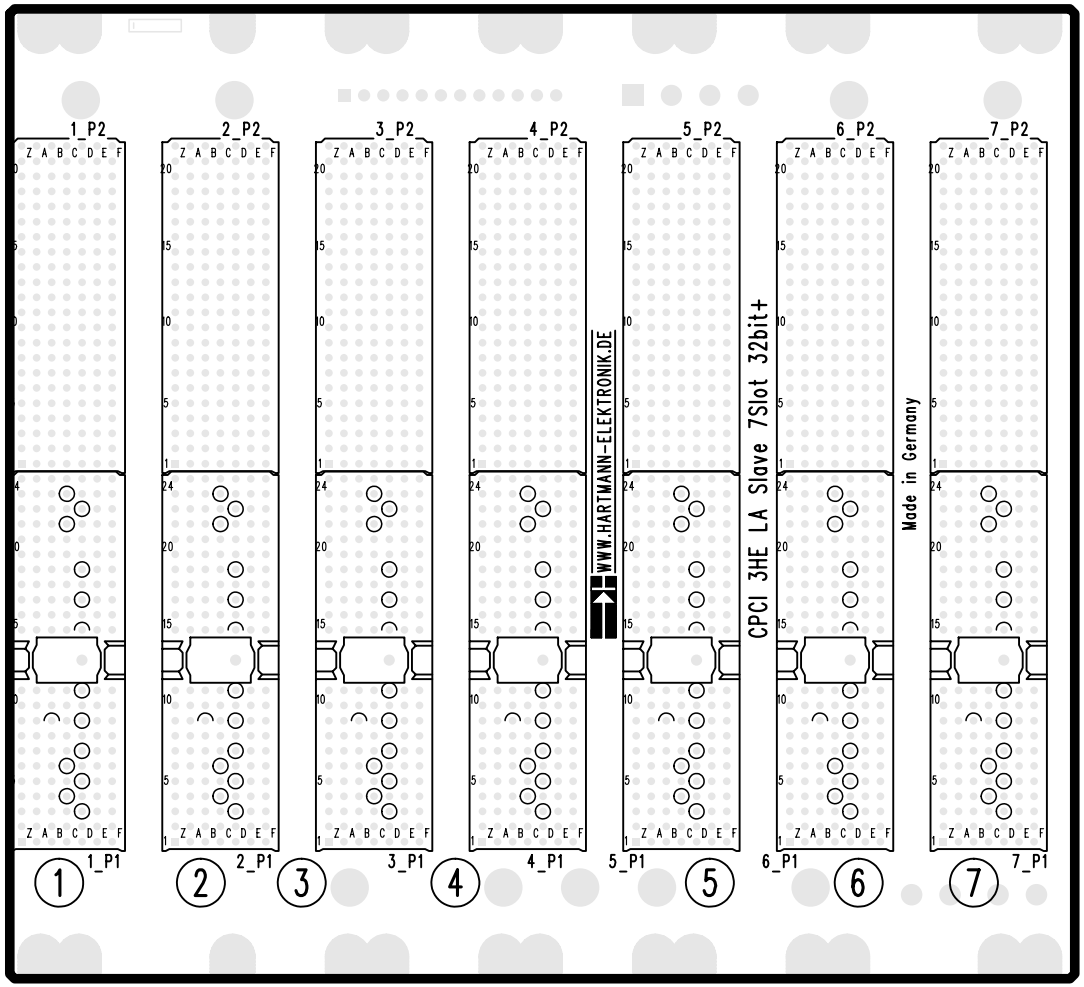
TOP VIEW



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

Hartmann Elektronik
CPCI 3HE LA Slave 7Slot 32bit+
BUS811 Rev.BA

Silkscreen Top Pads Top

Rev	Description	Date	Name

2002		
Author	26.04.	Keko
Check	26.04.	Hamann

DIN A4
M 1:1

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Title: Hartmann Elektronik
CPCI 3HE LA Slave 7Slot 32bit+
BUS811
Rev.BA

Number

Sheet of

Device: HE-C33LAS7--14 File: BUS811BA

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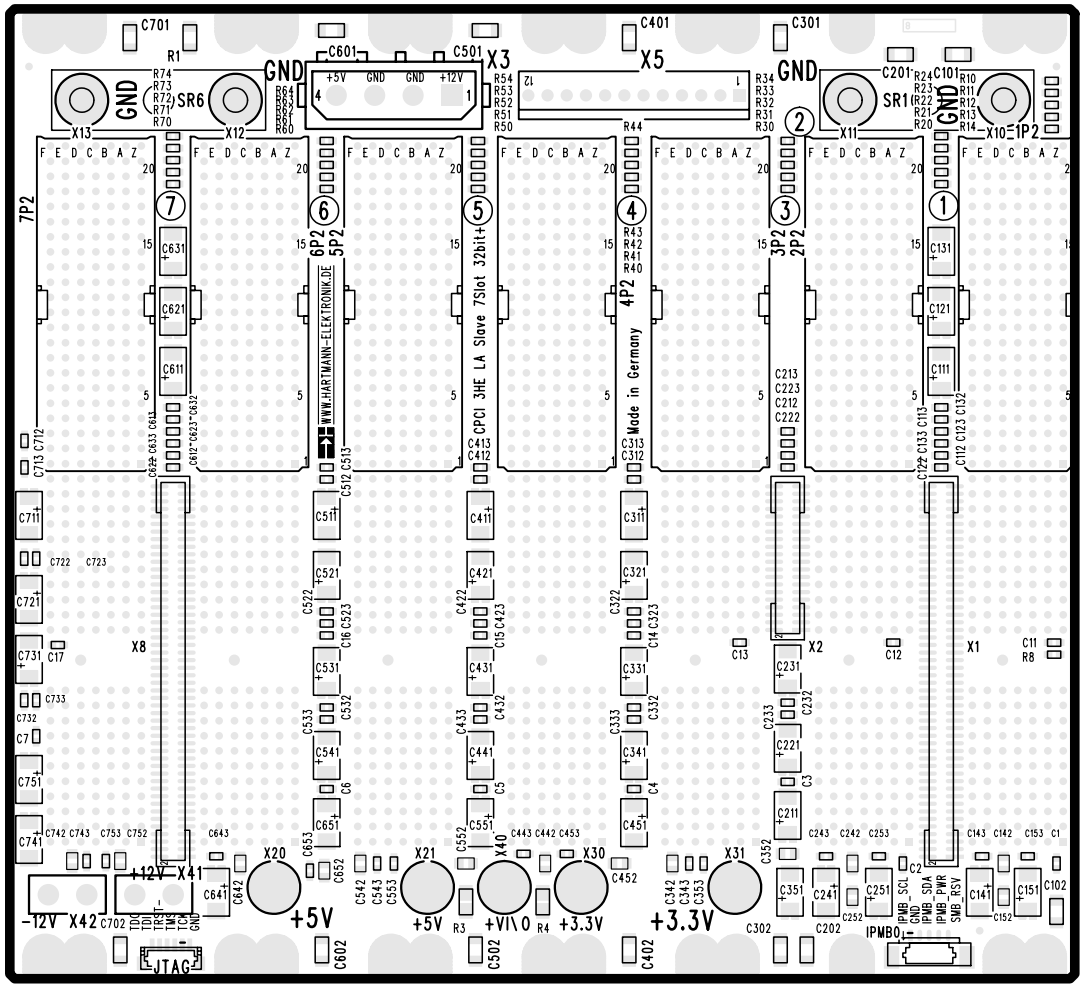
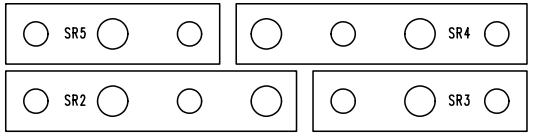
BOTTOM VIEW

Floppy-Connector
(X3) on request





Silkscreen Bottom Pads Bottom

Busbar V(I/O) = 3.3V

Busbar V(I/O) = 5V

Hartmann Elektronik
CPCI 3HE LA Slave 7Slot 32bit+
BUS811 Rev.BA

Rev	Description	Date	Name

		Name
2002		
Author	26.04.	Keko
Check	26.04.	Hamann

DIN A4
M 1:1

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Title
Hartmann Elektronik
CPCI 3HE LA Slave 7Slot 32bit+
BUS811
Rev.BA

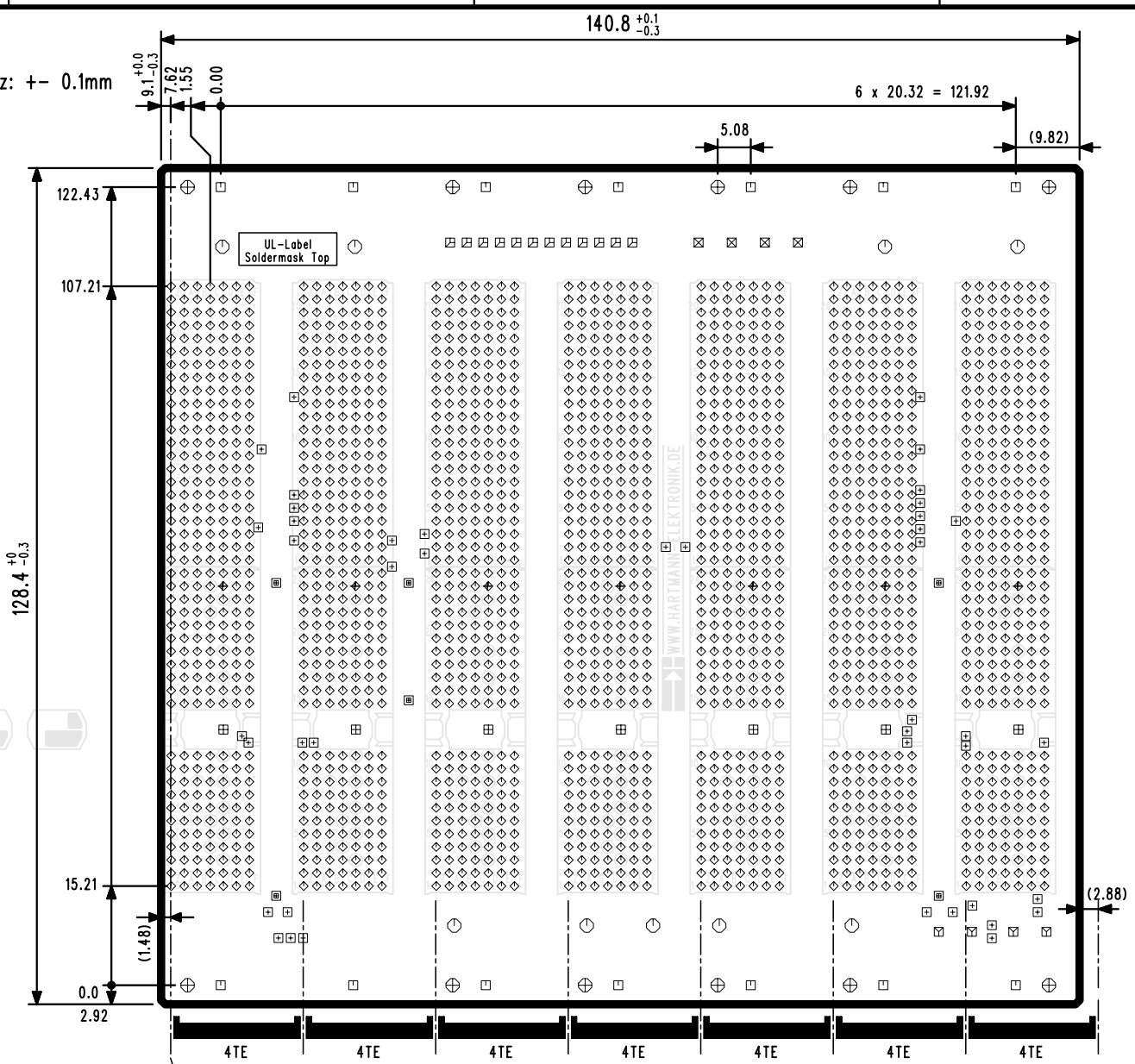
Number

Sheet of

Device: HE-C33LAS7--14 File: BUS811BA

All rights reserved

Allgemeintolleranz: +- 0.1mm



Hartmann Elektronik
CPCI 3HE LA Slave 7Slot 32bit+
BUS811 Rev.BA

Rev	Description	Date	Name

		Name
2002		
Author	26.04.	Keko
Check	26.04.	Hamann

DIN A4
M 1:1

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Title: Hartmann Elektronik
CPCI 3HE LA Slave 7Slot 32bit+
BUS811 Rev.BA

Number

Sheet of

Device: HE-C33LAS7--14
File: BUS811BA