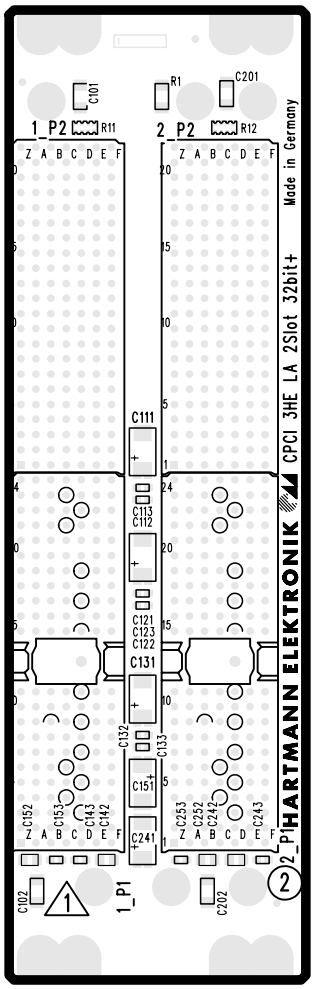
All rights reserved



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

Rev	Description	Date	Name

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

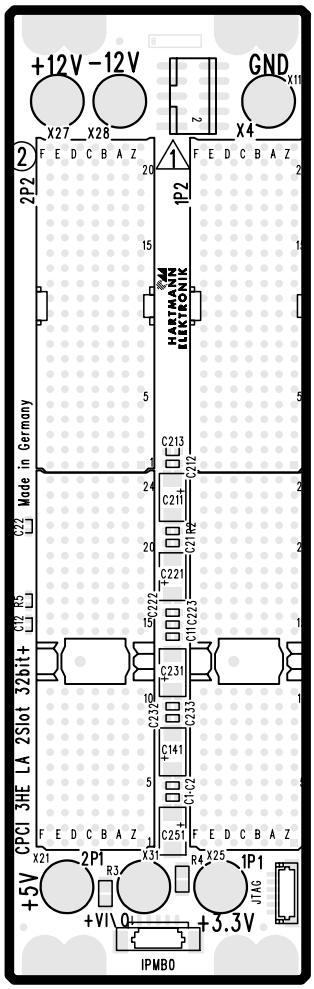
HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

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)

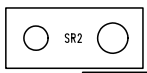
IPMB0
Pin Assignment

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

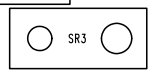
JTAG
Pin Assignment

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

Busbar V(I/O) = 5V



Busbar V(I/O) = 3.3V



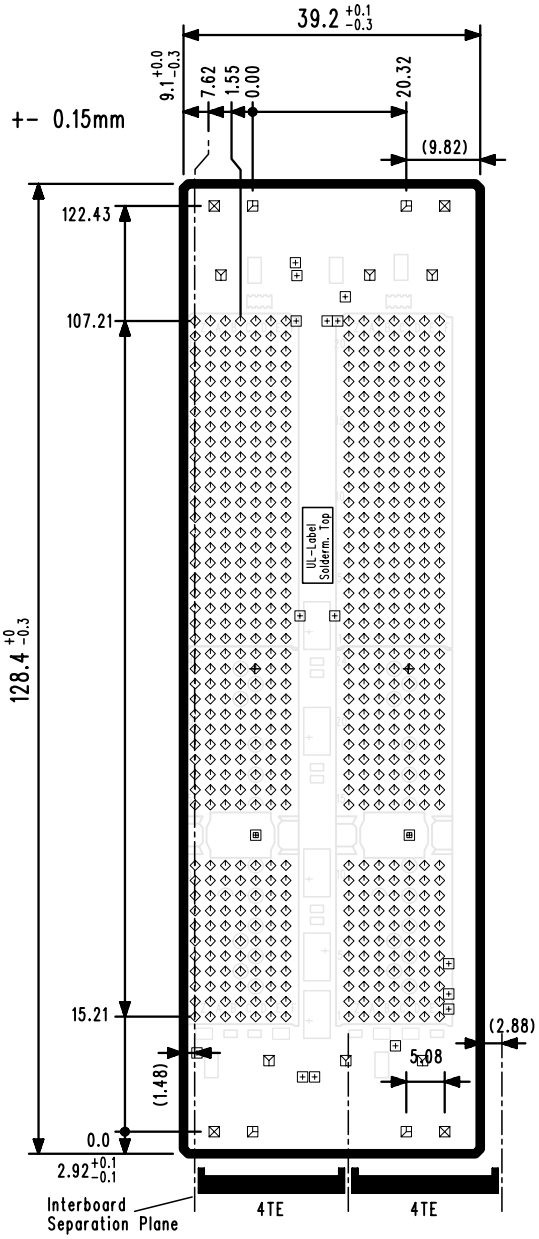
Hartmann Elektronik
CPCI 3HE LA 2Slot 32bit+
BUS752 Rev.BB

Silkscreen Bottom
Pads Bottom

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

All rights reserved

Common tollerance: +- 0.15mm

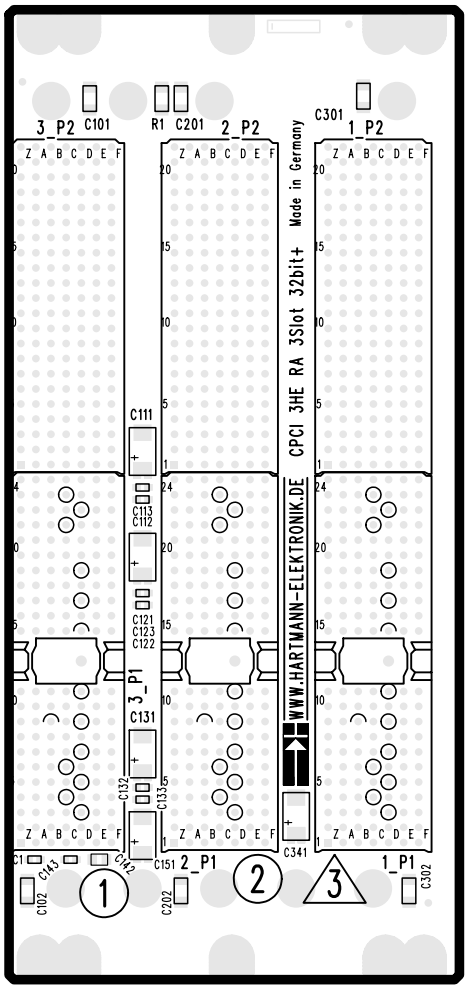


Hartmann Elektronik
CPCI 3HE LA 2Slot 32bit+
BUS752 Rev.BB

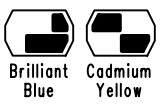
				2007	Date	Name	Title: Hartmann Elektronik
				Author	13.02.	Wiedmann	CPCI 3HE LA 2Slot 32bit+
				Check	13.02.	Wiedmann	BUS752 Rev.BB
						DIN A4 M 1:1	
				HARTMANN ELEKTRONIK MOTORSTRASSE 43 D-70499 STUTTGART			Number / Sheet / of
Rev	Description	Date	Name				Device: HE-C33LA02---4 File: BUS752BB

All rights reserved

TOP VIEW



Keying



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

Silkscreen Top
Pads Top

Rev	Description	Date	Name

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

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

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

Number

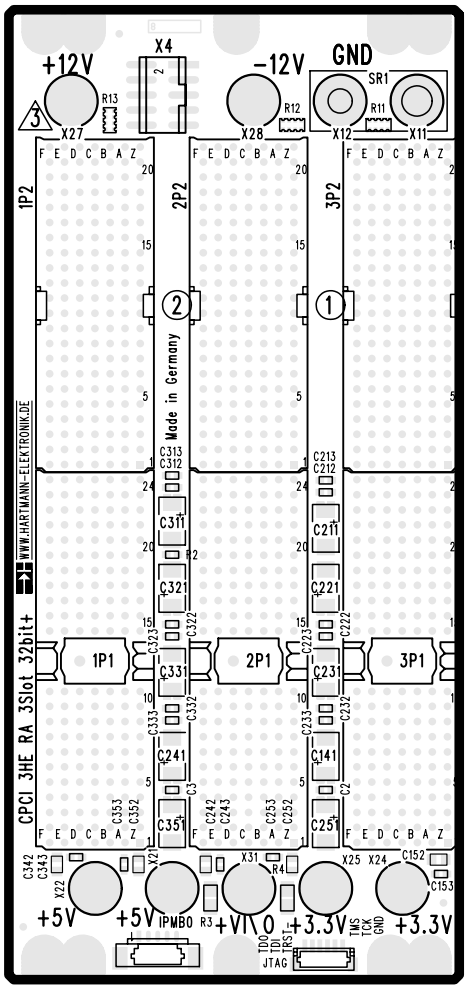
Sheet

of

Device: HE-C33RA035--4 File: BUS675BA

Without geographic adressing on request

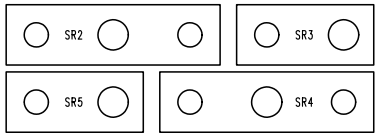
BOTTOM VIEW



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

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

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

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

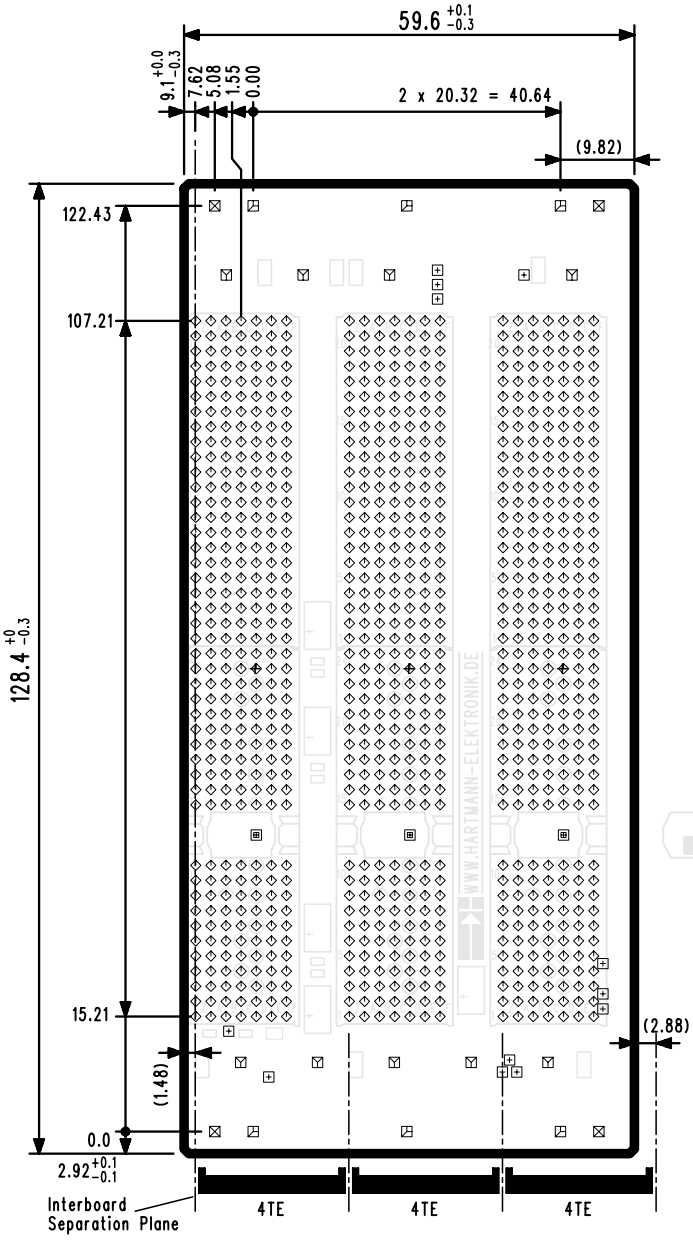
Number

Sheet

of

Rev	Description	Date	Name

Device: HE-C33RA035--4 File: BUS675BA



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

All rights reserved

	Date	Name
2000		
Author	30.11.	Hamann
Check	30.11.	Hamann

DIN A4
M 1:1

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

Rev	Description	Date	Name

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Number

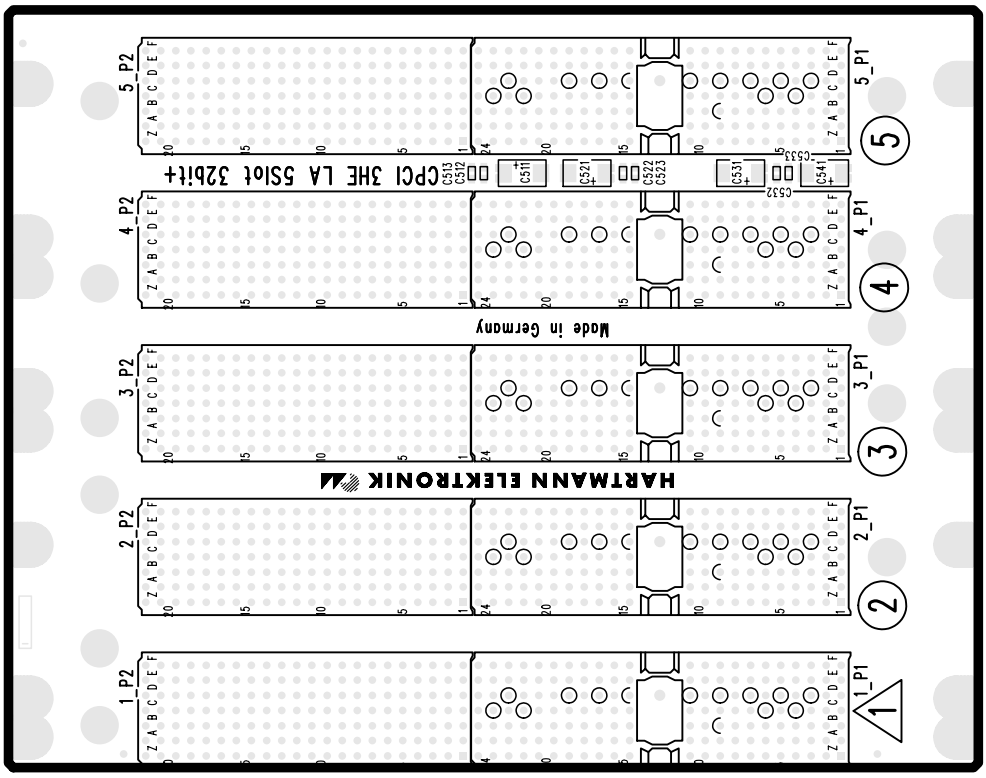
Sheet

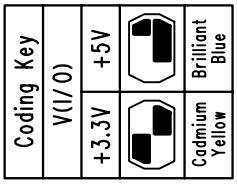
of

Device: HE-C33RA035--4 File: BUS675BA

All rights reserved

Silkscreen Top Pads Top





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

				2006	Date	Name
				Author	22.05.	Wiedmann
				Check	22.05.	Wiedmann
						DIN A4
						M 1:1

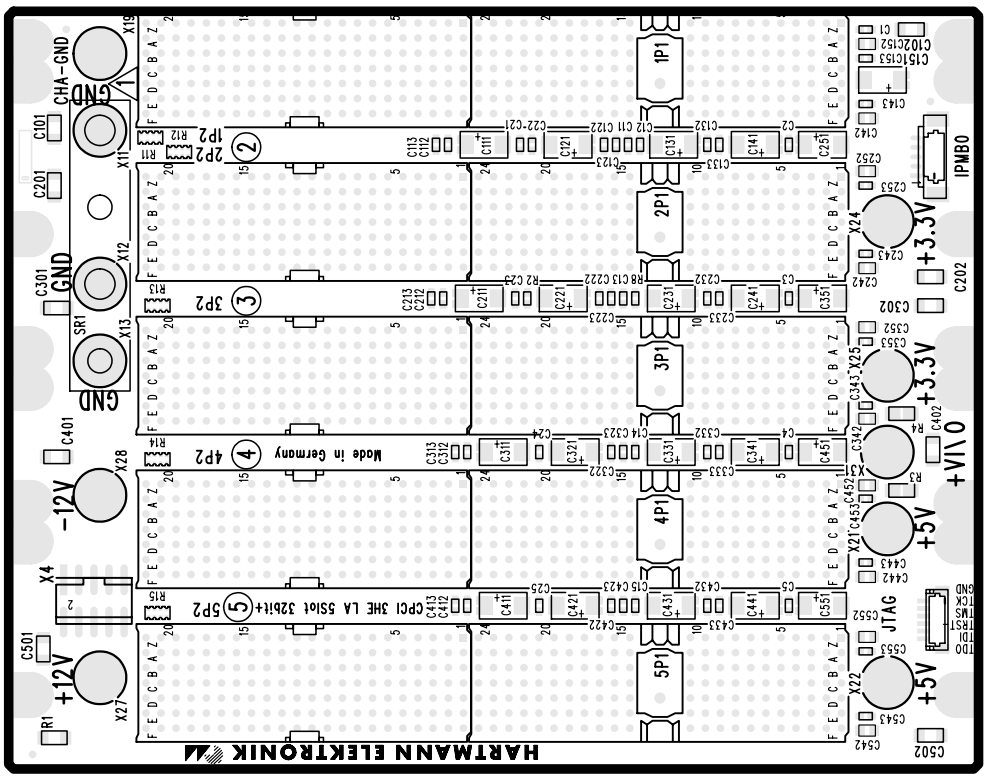
Title: Hartmann Elektronik
CPCI 3HE LA 5Slot 32bit+
BUS751 Rev.BA

Rev	Description	Date	Name

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Number | Sheet | of

Device: HE-C33LA05--14 | File: BUS751BA



Busbar V(I/O) = 3.3V

Busbar V(I/O) = 5V

Silkscreen Bottom Pads Bottom

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

IPMB0 Pin Assignment

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

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

All rights reserved

				2006	Date	Name
				Author	22.05.	Wiedmann
				Check	22.05.	Wiedmann
						DIN A4
						M 1:1

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

Rev	Description	Date	Name

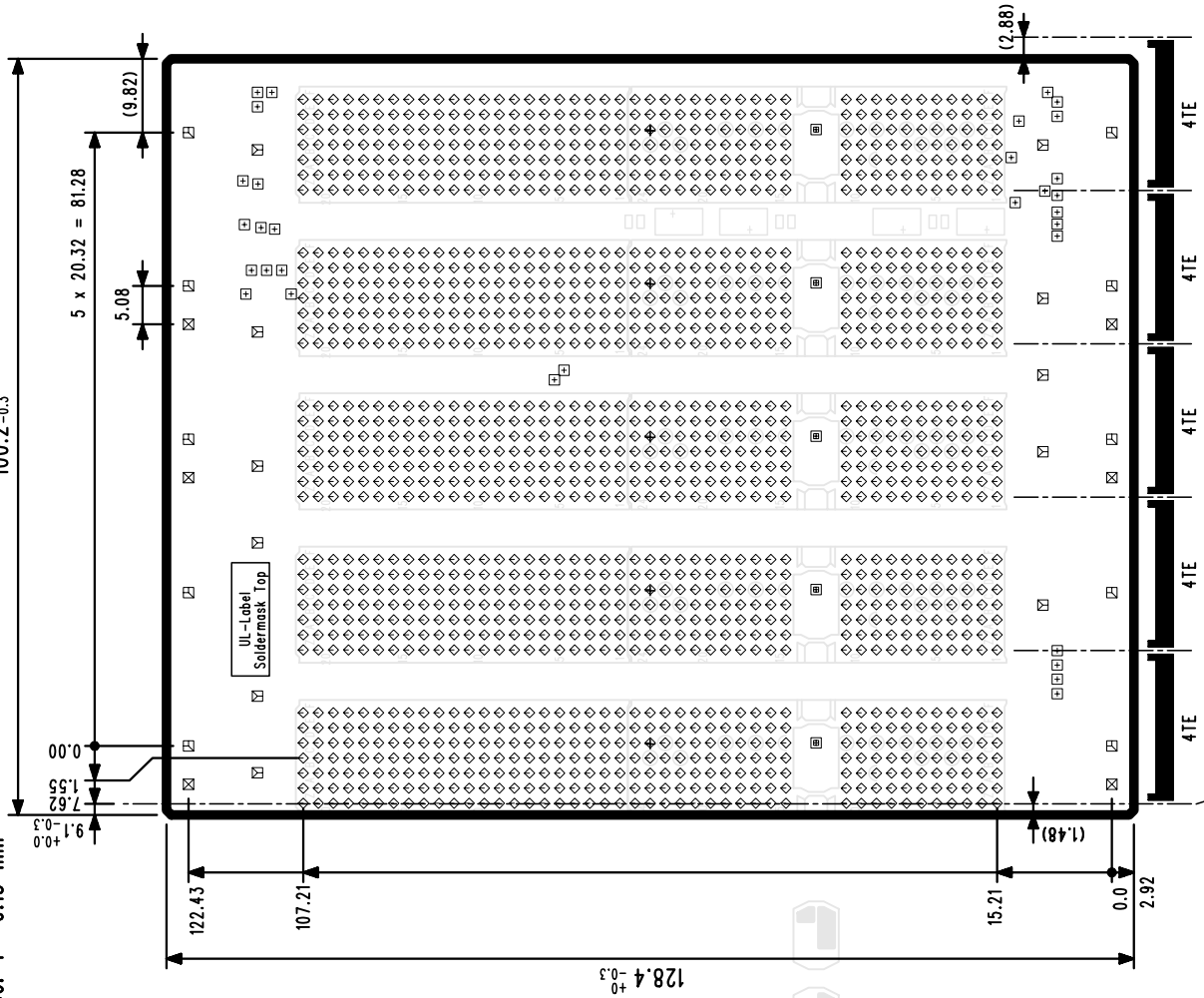
HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

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

				2006	Date	Name
				Author	22.05.	Wiedmann
				Check	22.05.	Wiedmann
						DIN A4
						M 1:1

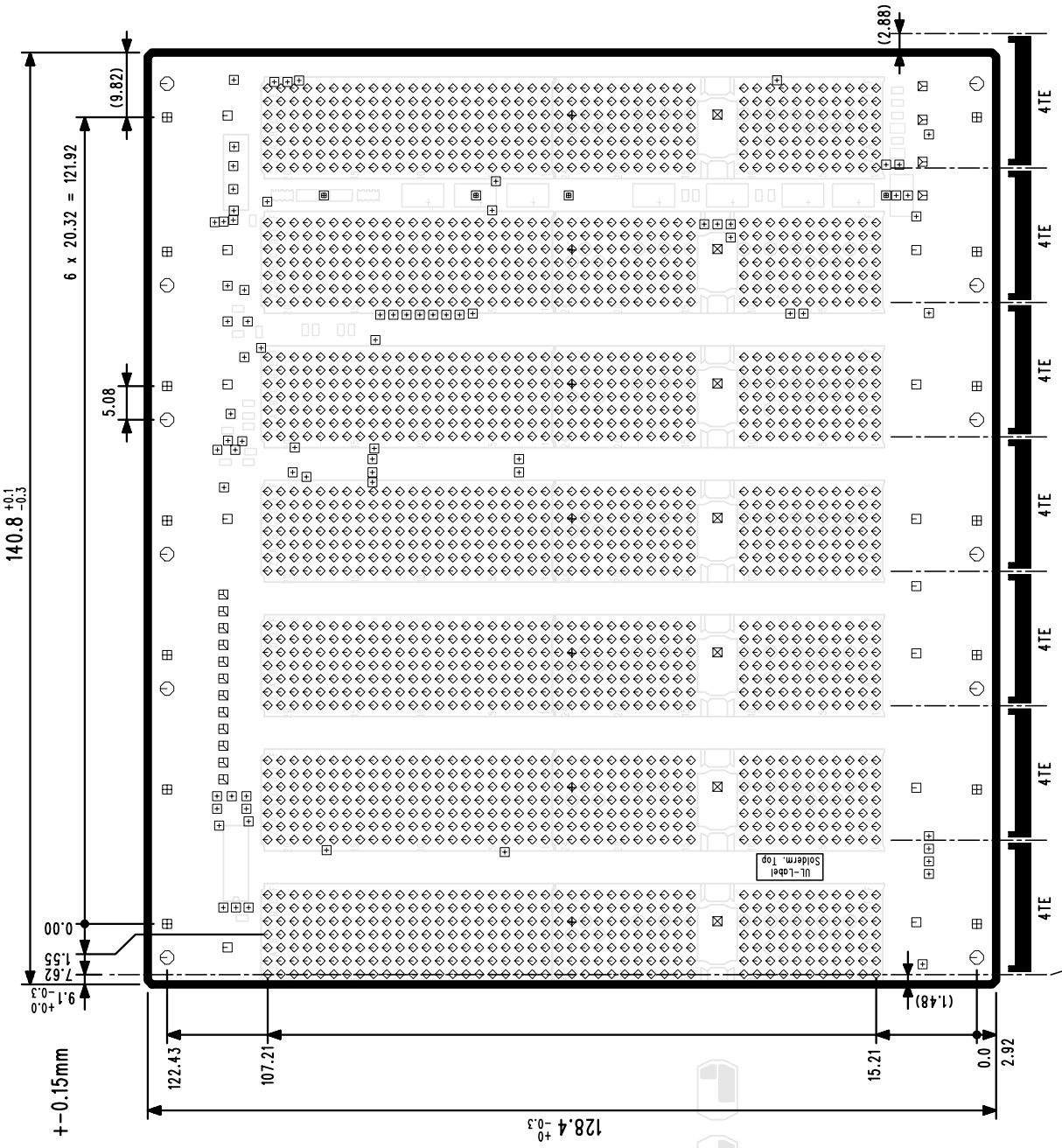
Title: Hartmann Elektronik
CPCI 3HE LA 5Slot 32bit+
BUS751 Rev.BA

Rev	Description	Date	Name

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Number | Sheet | of

Device: HE-C33LA05--14 | File: BUS751BA



Common tolerance: +-0.15mm

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

All rights reserved

	Date	Name
2004		
Author	22.06.	Wiedmann
Check	22.06.	Hamann

DIN A4
M 1:1

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

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

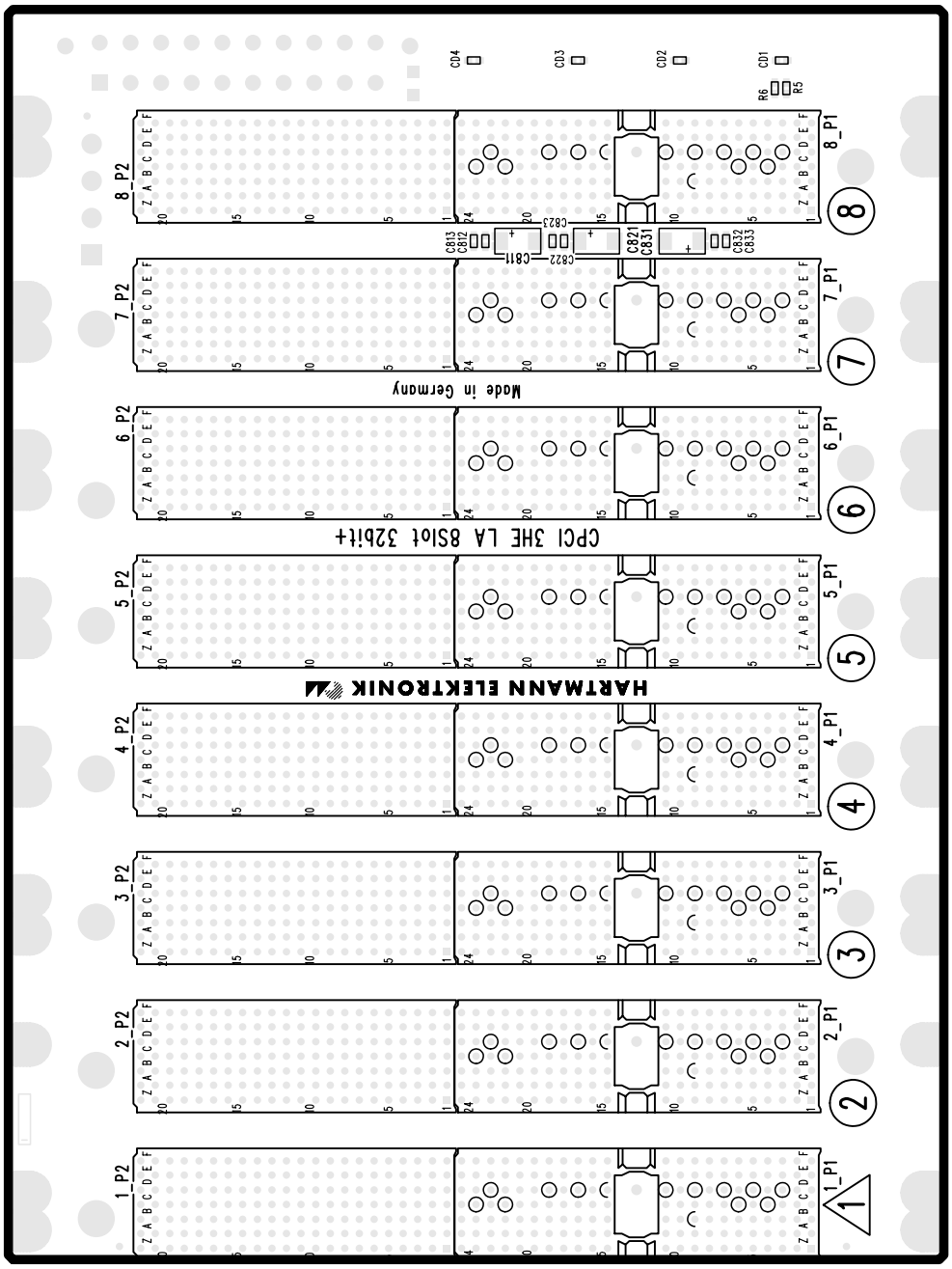
Rev	Description	Date	Name

Number

Sheet

of

Device: HE-C33LAM71-14 File: BUS880BA



Silkscreen Top Pads Top

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

All rights reserved

	Date	Name
2008		
Author	04.01.	Wiedmann
Check	04.01.	Wiedmann

DIN A4
M 1:1

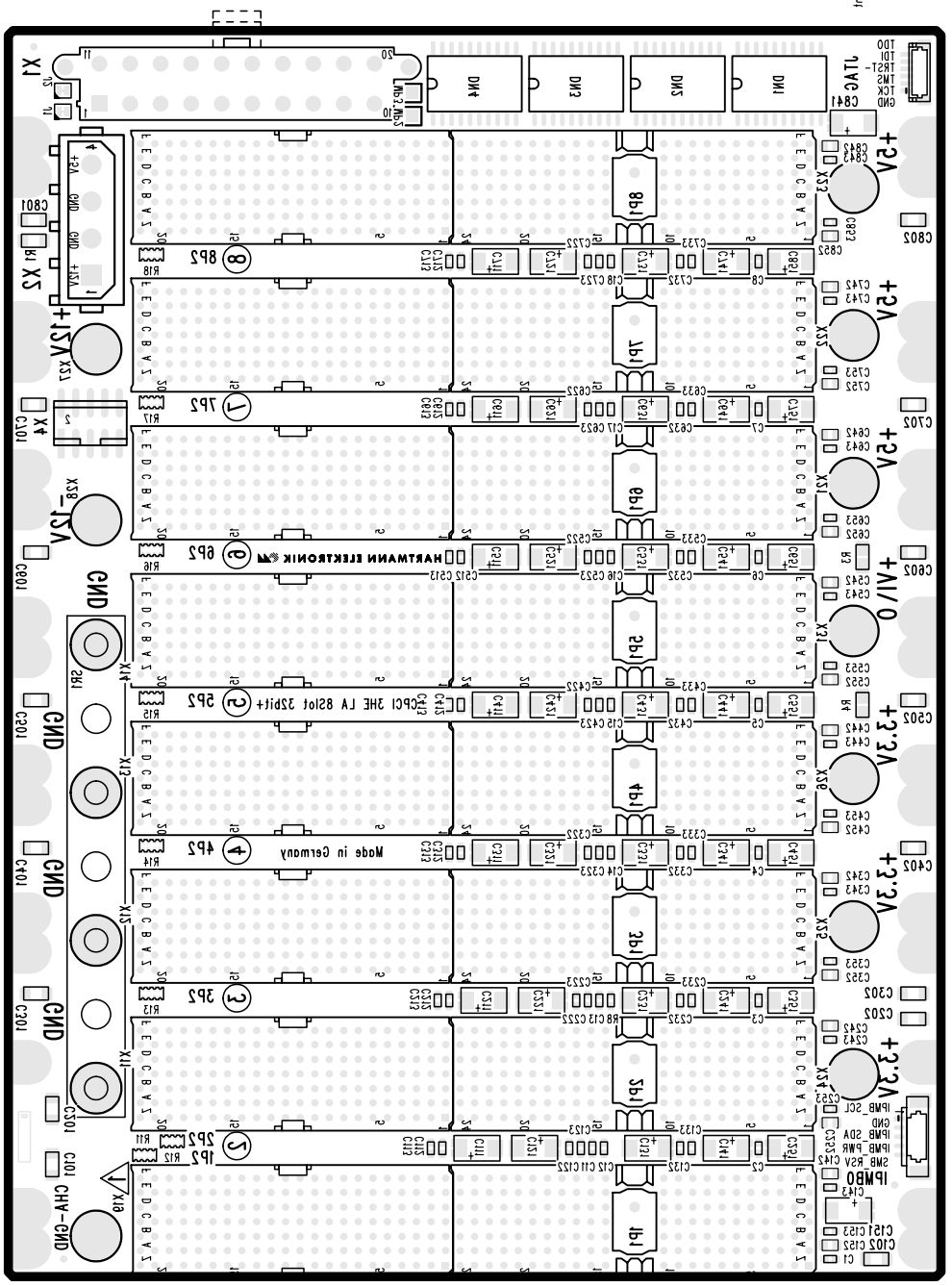
Title: Hartmann Elektronik
CPCI 3HE LA 8Slot 32bit+
BUS750 Rev.BB

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Number | Sheet | of

Device: HE-C33LA08--14 | File: BUS750BB

Rev	Description	Date	Name



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

X4 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)

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

All rights reserved

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

Rev	Description	Date	Name

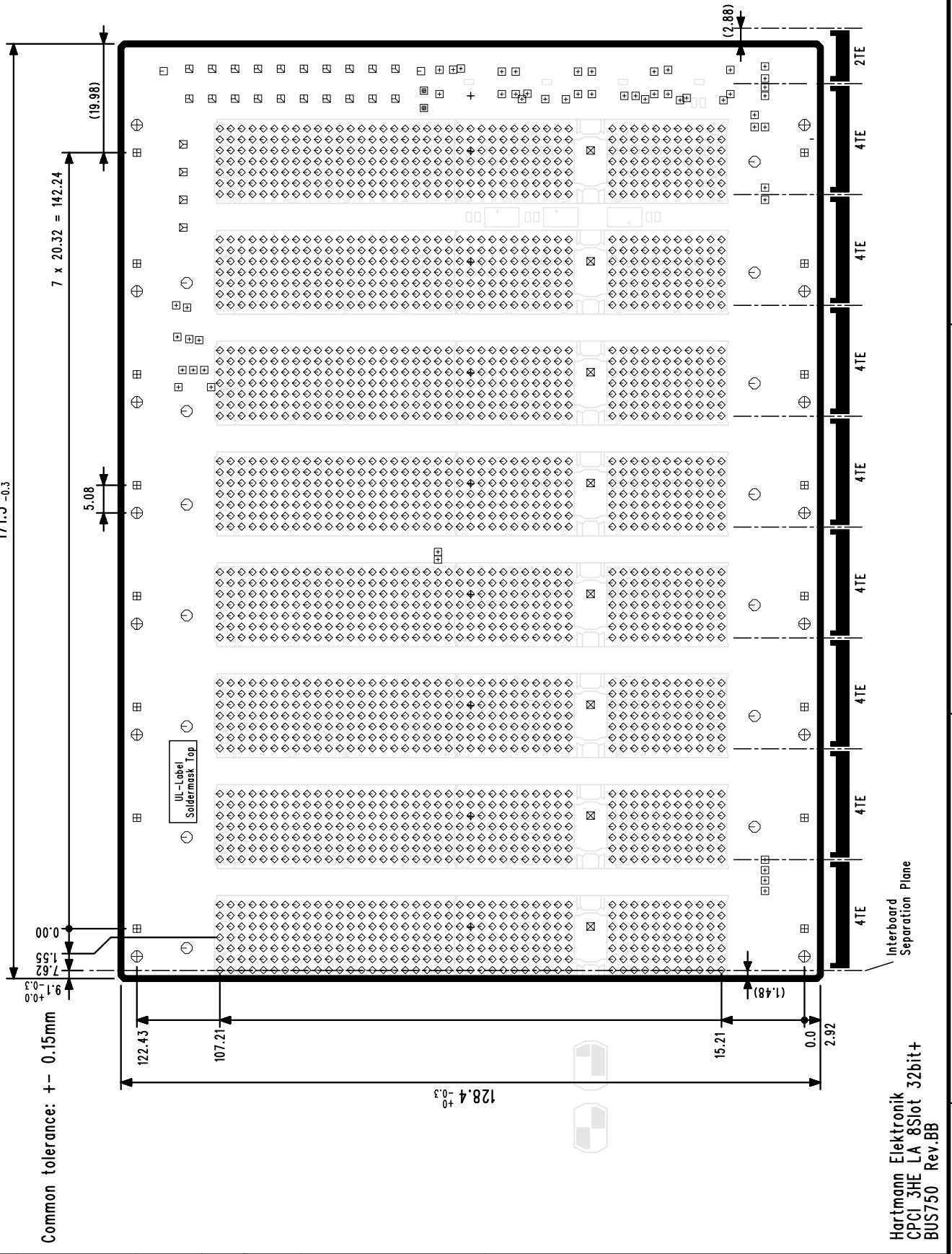
2008	Date	Name
Author	04.01.	Wiedmann
Check	04.01.	Wiedmann
	DIN A4	
	M 1:1	

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

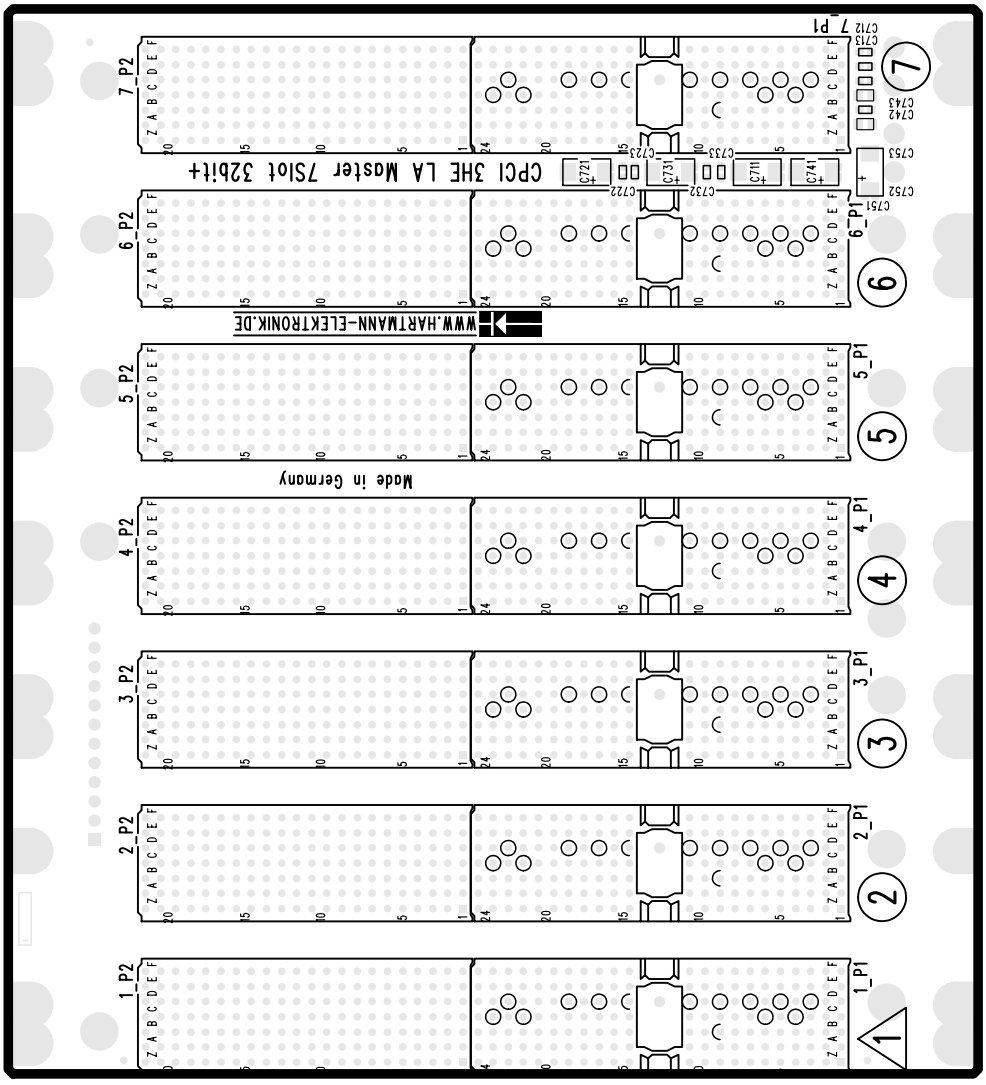


All rights reserved

				2008	Date	Name	Title: Hartmann Elektronik CPCI 3HE LA 8Slot 32bit+ BUS750 Rev.BB
				Author	04.01.	Wiedmann	
				Check	04.01.	Wiedmann	
						DIN A4 M 1:1	
				HARTMANN ELEKTRONIK MOTORSTRASSE 43 D-70499 STUTTGART			Number / Sheet / of
Rev	Description	Date	Name				Device: HE-C33LA08--14 File: BUS750BB

Without geographic addressing on request

Top view



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

Silkscreen Top Pads Top

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

All rights reserved

	Date	Name
2002		
Author	25.04.	Hamann
Check	25.04.	Keko

DIN A4
M 1:1

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

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

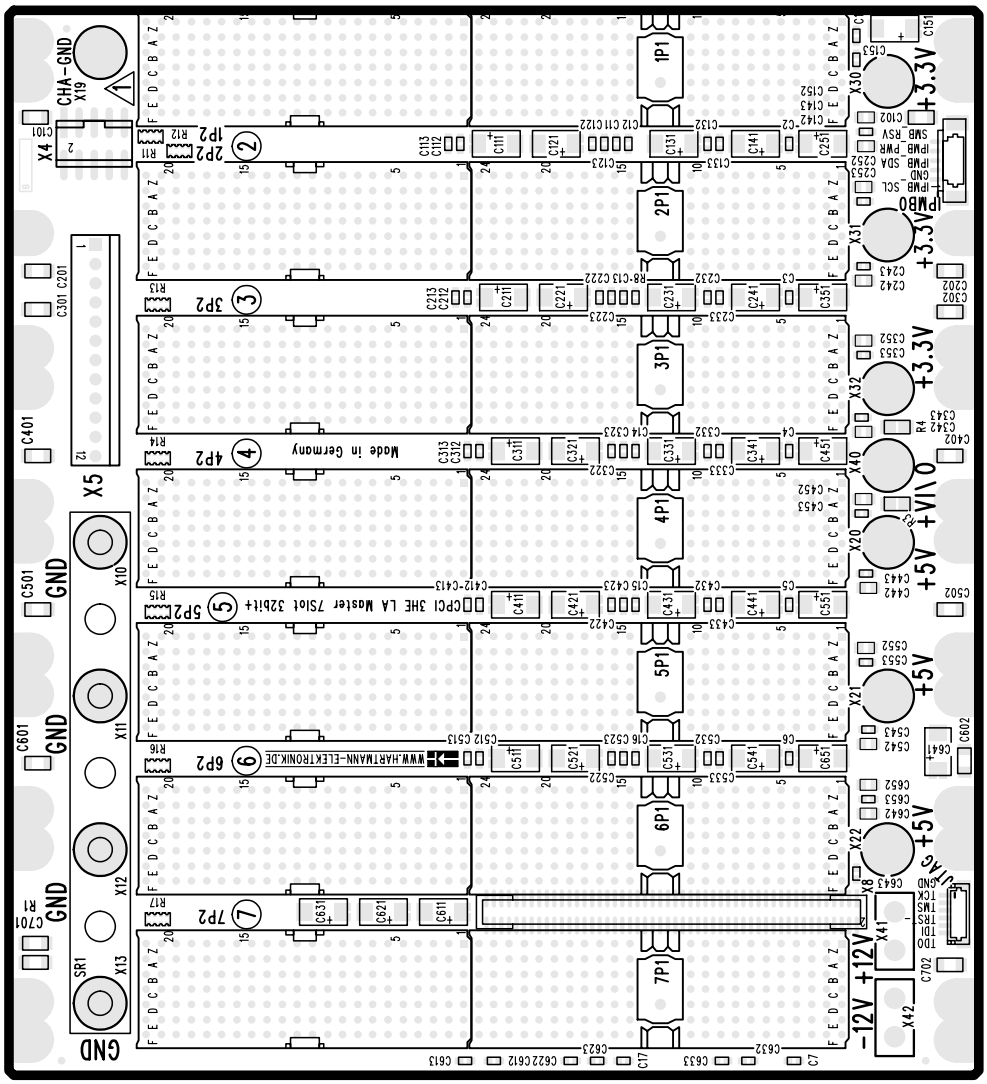
Number Sheet of

Device: HE-C33LAM74-14 File: BUS810BA

Rev	Description	Date	Name

All rights reserved

Bottom view



Rev	Description	Date	Name

2002	Date	Name
Author	25.04.	Hamann
Check	25.04.	Keko

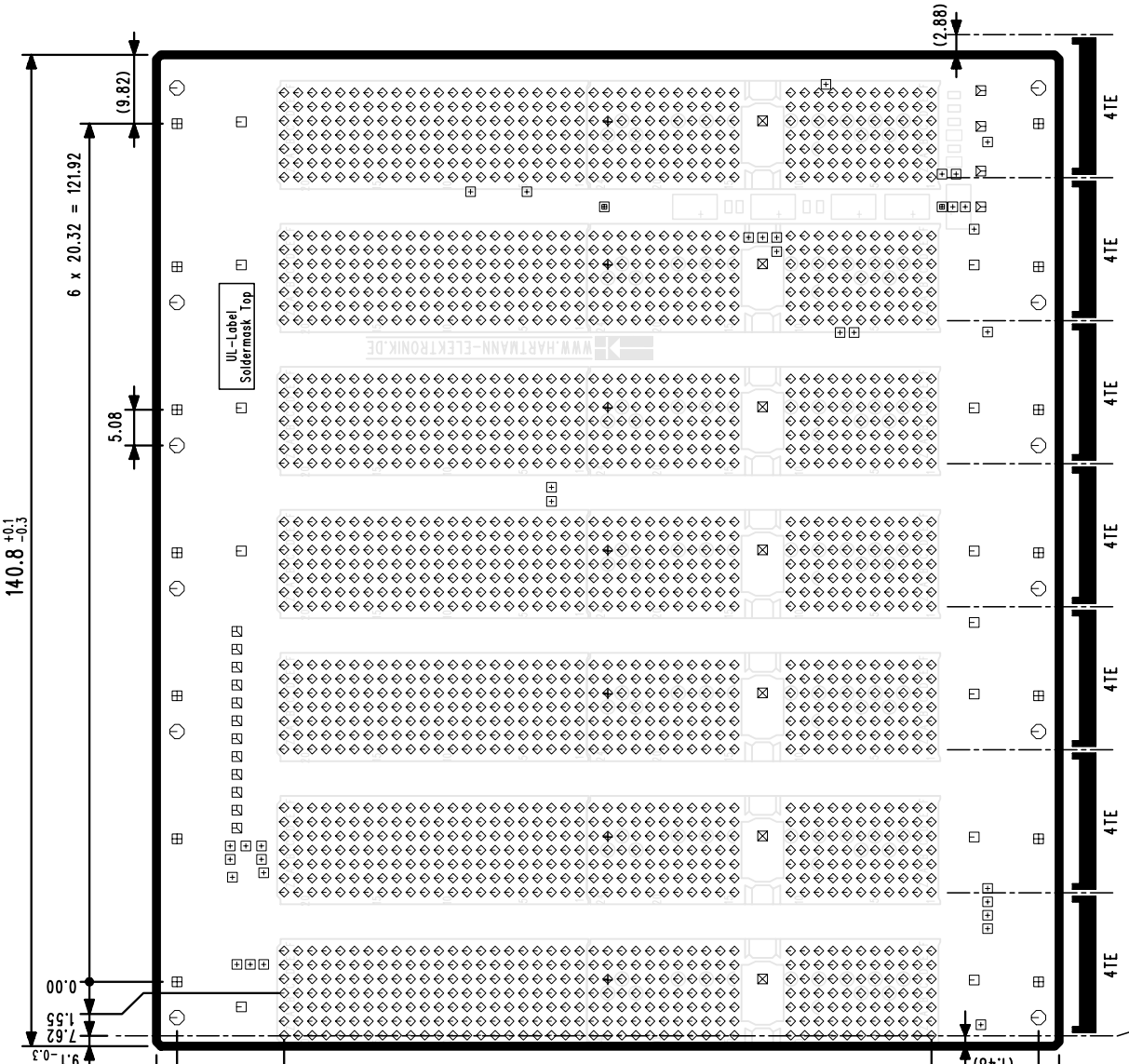
DIN A4
M 1:1

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



Allgemeintoleranz: +- 0.1mm

All rights reserved

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

	Date	Name
2002		
Author	25.04.	Hamann
Check	25.04.	Keko

DIN A4
M 1:1

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

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

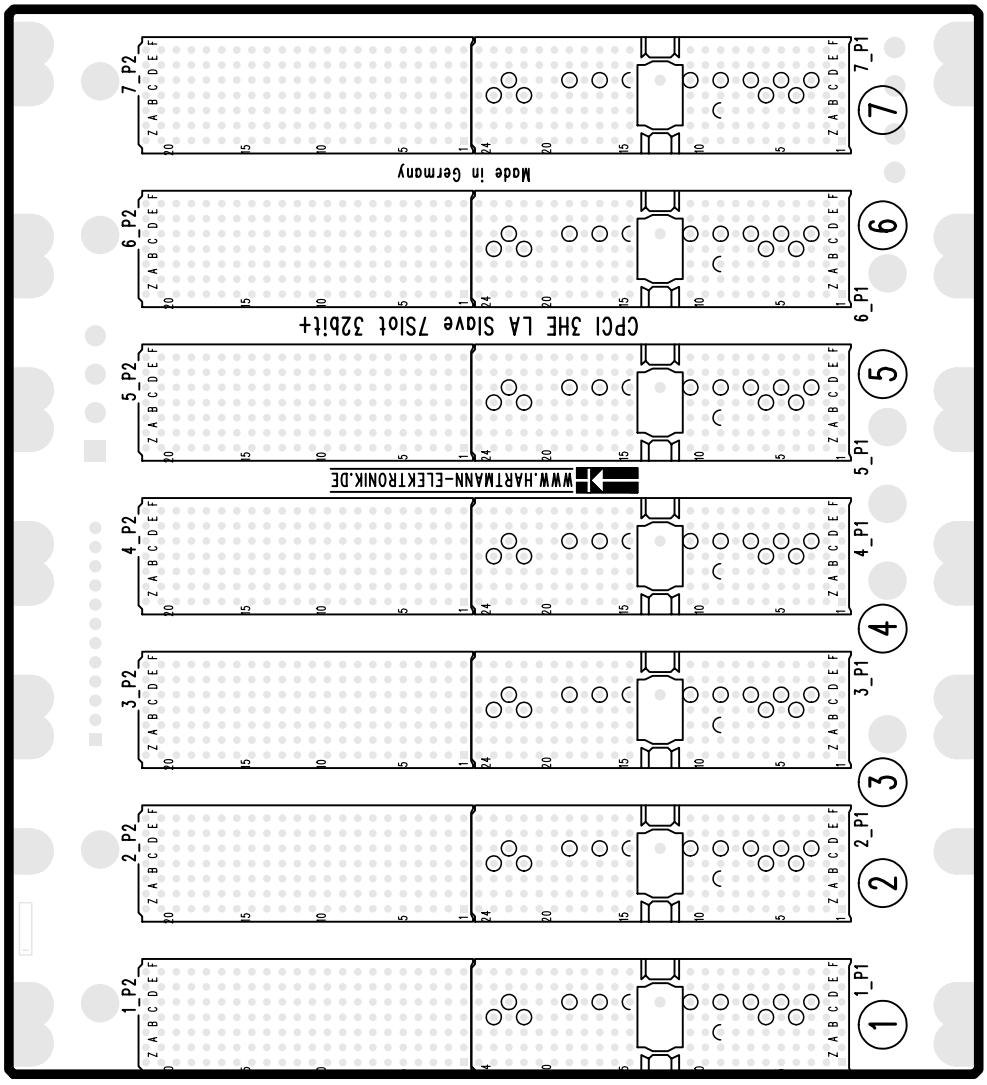
Number | Sheet | of

Device: HE-C33LAM74-14 | File: BUS810BA

Rev	Description	Date	Name

All rights reserved

TOP VIEW



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

Silkscreen Top Pads Top

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

Rev	Description	Date	Name

2002	Date	Name
Author	26.04.	Keko
Check	26.04.	Hamann

DIN A4
M 1:1

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

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Number

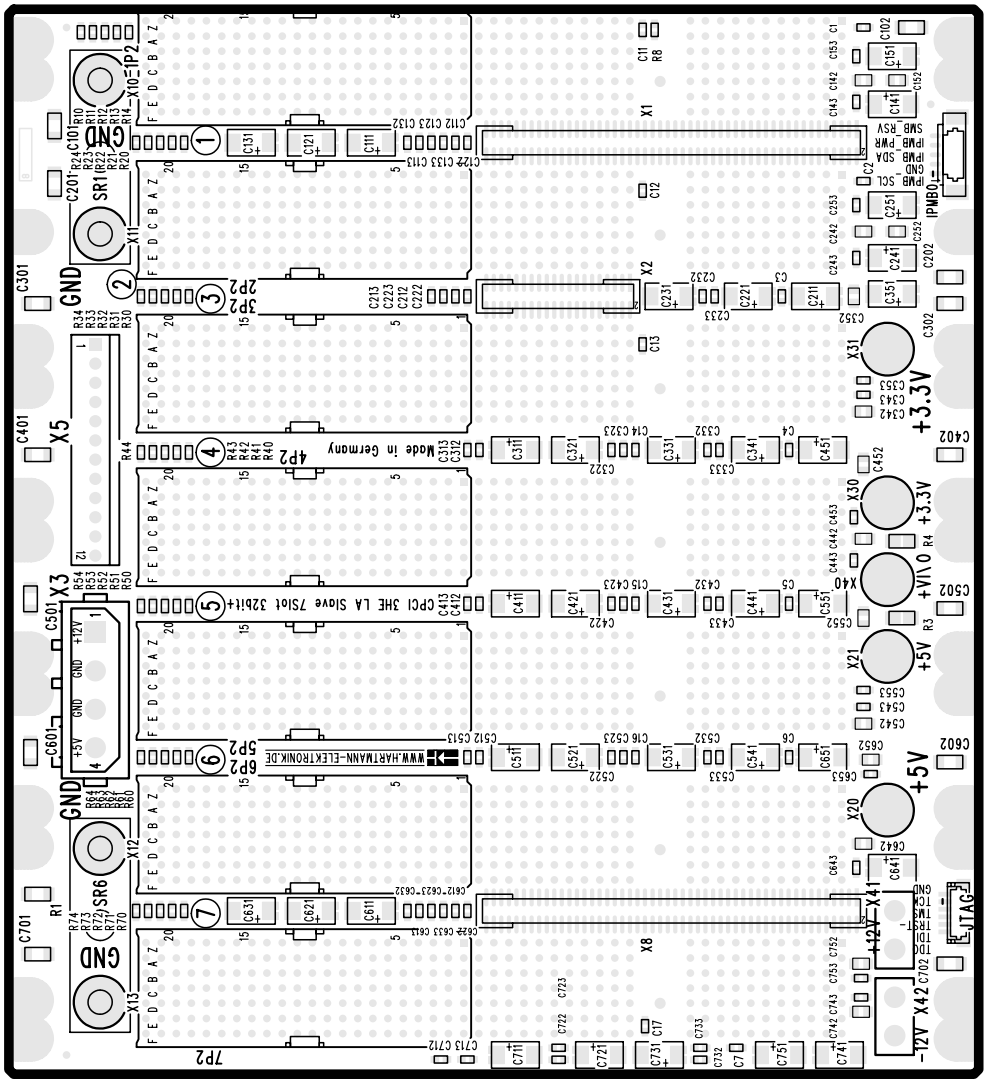
Sheet
of

Device: HE-C33LAS7--14 File: BUS811BA

All rights reserved

BOTTOM VIEW

Floppy-Connector
(X3) on request



Rev	Description	Date	Name

2002	Date	Name
Author	26.04.	Keko
Check	26.04.	Hamann

DIN A4
M 1:1

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Title

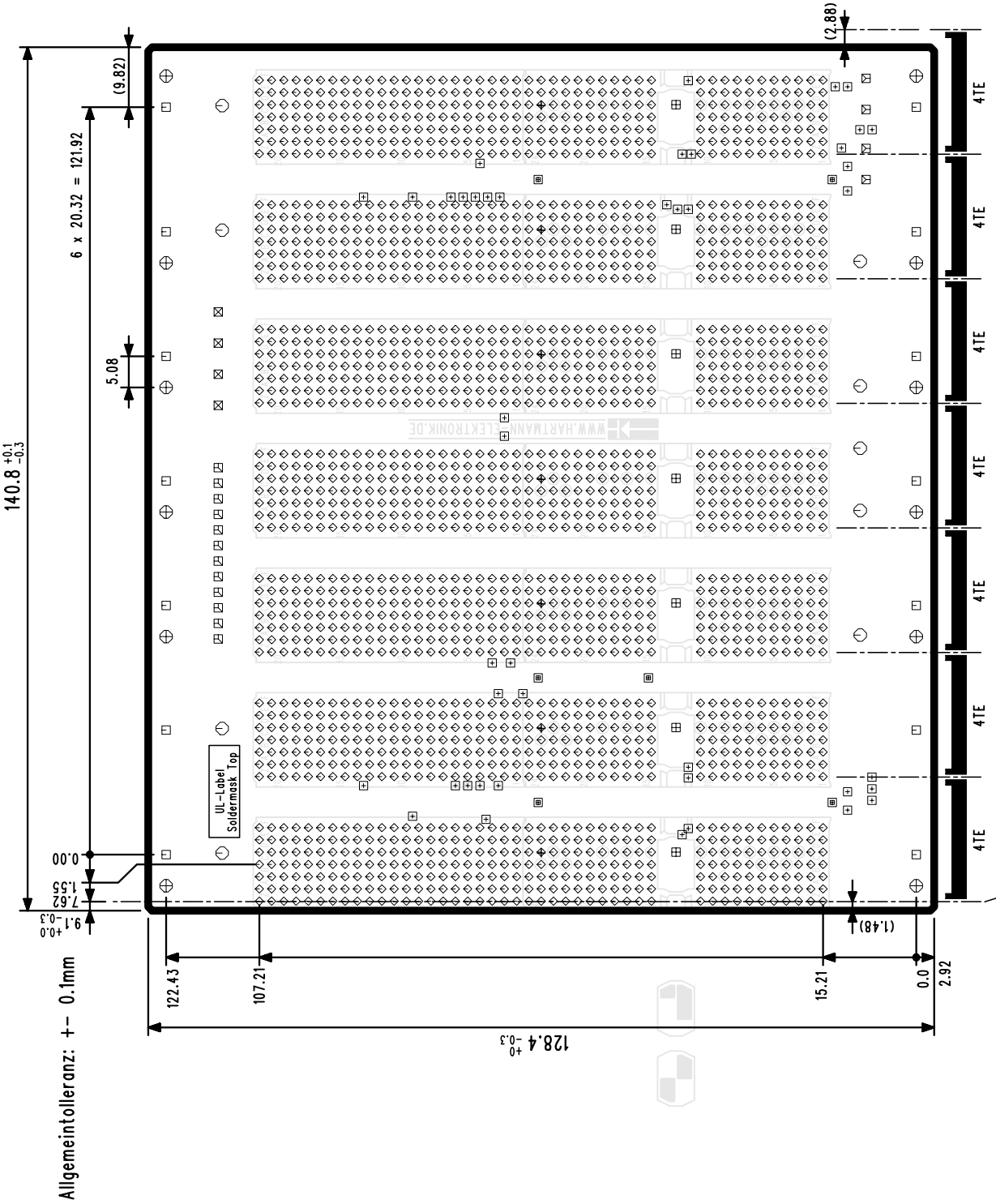
Hartmann Elektronik

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

Number

Sheet
of

Device: HE-C33LAS7--14 File: BUS811BA



Allgemeintoleranz: +- 0.1mm

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

All rights reserved

				2002	Date	Name
				Author	26.04.	Keko
				Check	26.04.	Hamann
						DIN A4
						M 1:1
Rev	Description	Date	Name			

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

HARTMANN ELEKTRONIK
MOTORSTRASSE 43
D-70499 STUTTGART

Number | Sheet | of

Device: HE-C33LAS7--14 | File: BUS811BA