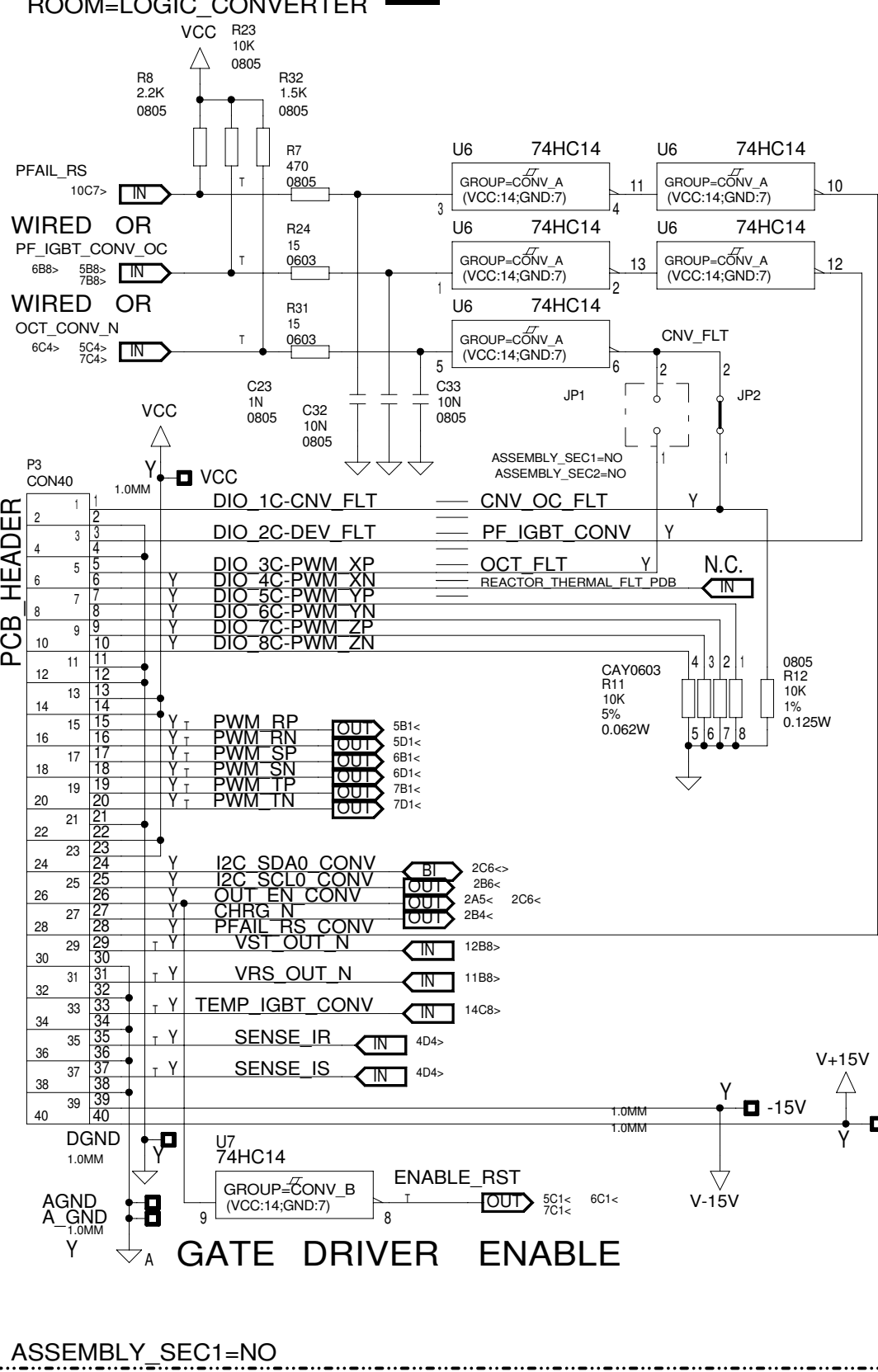


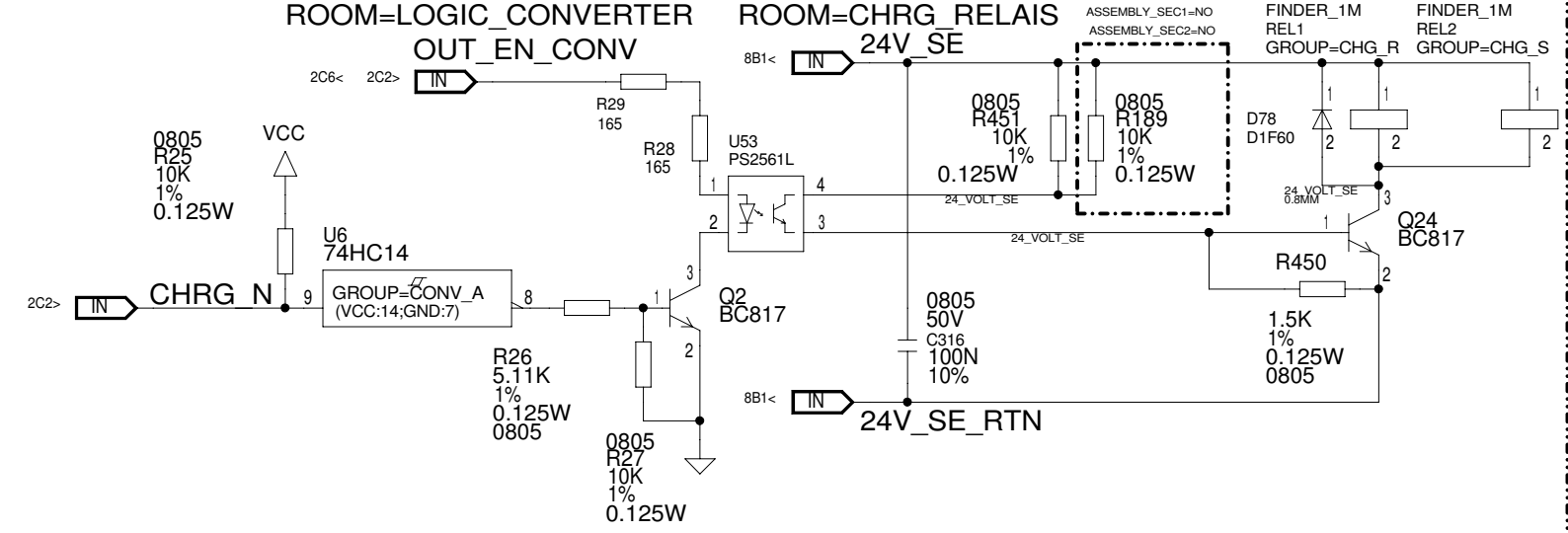
A3	1	2	3	4	5	6	7	8			
A	<div>POWER BOARD EXTENDED BIDIRECTIONAL</div>								A		
B	PAGE		CIRCUIT						B		
	2	CONVERTER INTERFACE TO PDB_II AND GDCB CHG-RELAY & RELAY DRIVER						E2PROM #4 GATE DRIVER ENABLE			
	3	INVERTER INTERFACE TO PDB_II ERROR Merging: DRIVER OCT ERROR Merging: GATE DRIVER POWER FAIL						E2PROM #2 GATE DRIVER ENABLE PTC TEMPERATURE MEASUREMENT			
	4	IGBT MODULES CURRENT SENSING									
	5	IGBT R (U): SMPS AND DRIVER									
	6	IGBT S (V): SMPS AND DRIVER									
	7	IGBT T (W): SMPS AND DRIVER									
	8	POWER SUPPLY: SENSING									
	9	LINE VOLTAGE SENSING (CONV) FLASHING DC-LINK LED									
	10	POWER FAIL MONITORING CIRCUIT (CONV)									
C	11	VRS PHASE TO PHASE INSULATION (CONV)							C		
	12	VST PHASE TO PHASE INSULATION (CONV)									
	13	DC LINK VOLTAGE MEASUREMENT (INV)									
	14	IGBT TEMPERATURE MEASUREMENT									
	15- 18	ADD-ON: NETS BY PAGE									
D	19- 29	ADD-ON: CREF PART REPORT							D		
	30- 35	LAYOUT DRAWINGS									
<div>DRAWING ABBREVIATION: PBX_BIDI TITLE: PBX_BIDI LAST_MODIFIED: Fri Apr 23 12:49:52 2010</div>											
Changes				<div>WARNING THIS WORK AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF OTIS ELEVATOR COMPANY (OTIS). IT IS DELIVERED TO OTHERS ON THE EXPRESS CONDITION THAT IT WILL BE USED ONLY FOR OR ON BEHALF OF OTIS ; THAT NEITHER IT OR NOR THE INFORMATION IT CONTAINS WILL BE REPRODUCED OR DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF OTIS ; AND THAT ON DEMAND IT AND ANY COPIES WILL BE PROMPTLY RETURNED TO OTIS.  UNPUBLISHED WORK (C) OTIS ELEVATOR COMPANY ALL RIGHTS RESERVED.</div>				CIRCUIT DIAGRAM FOR  PBX_BIDI		<div>DWG GAA26800MX OTIS ENGINEERING CENTER BERLIN, GERMANY DRAWN A. Tutat CHK M. Dehmlow APPD M. Dehmlow AUTH CA47A-000528</div>	
DEVICE TYPE FOR DESIGN REFERENCE ONLY; REFER TO BOM FOR MANUFACTURING				<div>Otis A United Technologies Company</div>				CAD GENERATED CADENCE-CONCEPT		<div>ORIGINAL DATE 2010-04-13 35 SHEETS SHEET 1</div>	

A3  
REV 2004-09-06

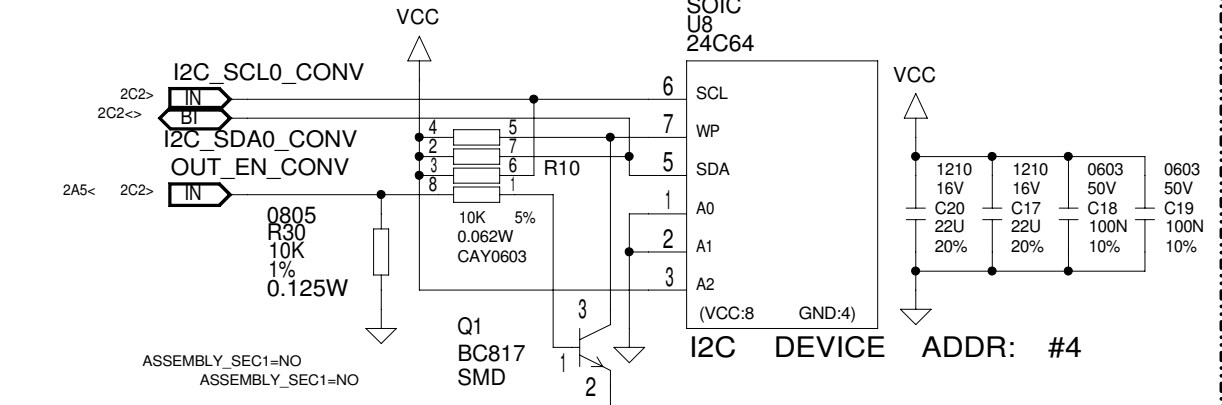
# CONVERTER TO PDB\_II INTERFACE AND GDCB



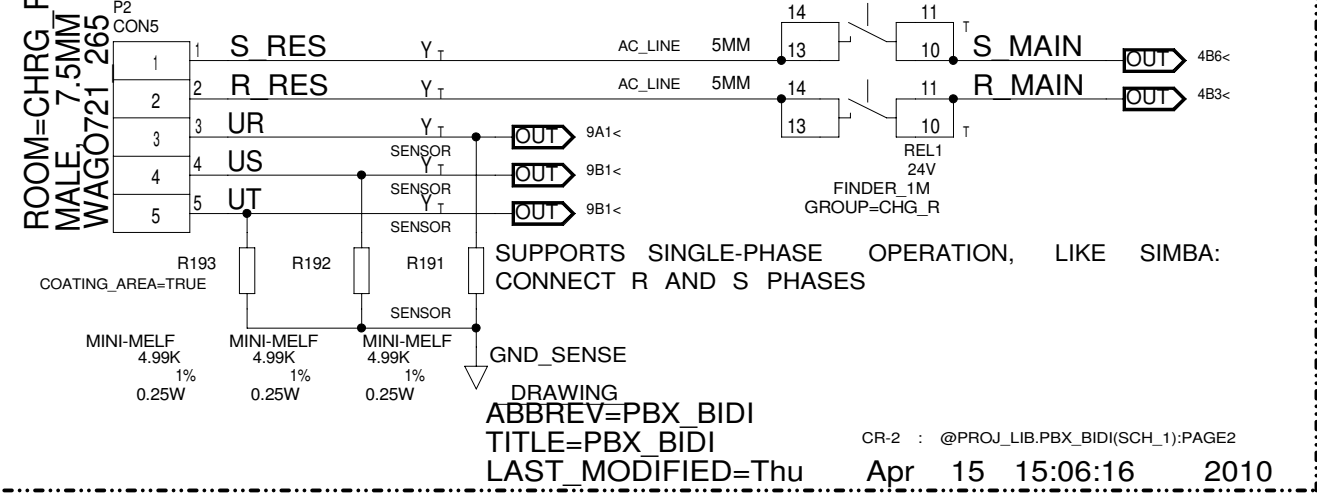
# CHG-RELAY & RELAY DRIVER



# E2PROM



# LINE VOLTAGE SENSING PART OF VOLTAGE DIVIDER



ASSEMBLY\_SEC1=NO

Changes

WARNING

THIS WORK AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF OTIS ELEVATOR COMPANY (OTIS). IT IS DELIVERED TO OTHERS ON THE EXPRESS CONDITION THAT IT WILL BE USED ONLY FOR OR ON BEHALF OF OTIS ; THAT NEITHER IT OR NOR THE INFORMATION IT CONTAINS WILL BE REPRODUCED OR DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF OTIS ; AND THAT ON DEMAND IT AND ANY COPIES WILL BE PROMPTLY RETURNED TO OTIS.

UNPUBLISHED WORK (C) OTIS ELEVATOR COMPANY

ALL RIGHTS RESERVED.

CIRCUIT DIAGRAM FOR

PBX\_BIDI

DWG GAA26800MX

OTIS ENGINEERING CENTER

BERLIN, GERMANY

DRAWN A. Tutat

ORIGINAL DATE

CHK M. Dehmlow

2010-04-13

APPD M. Dehmlow

35 SHEETS

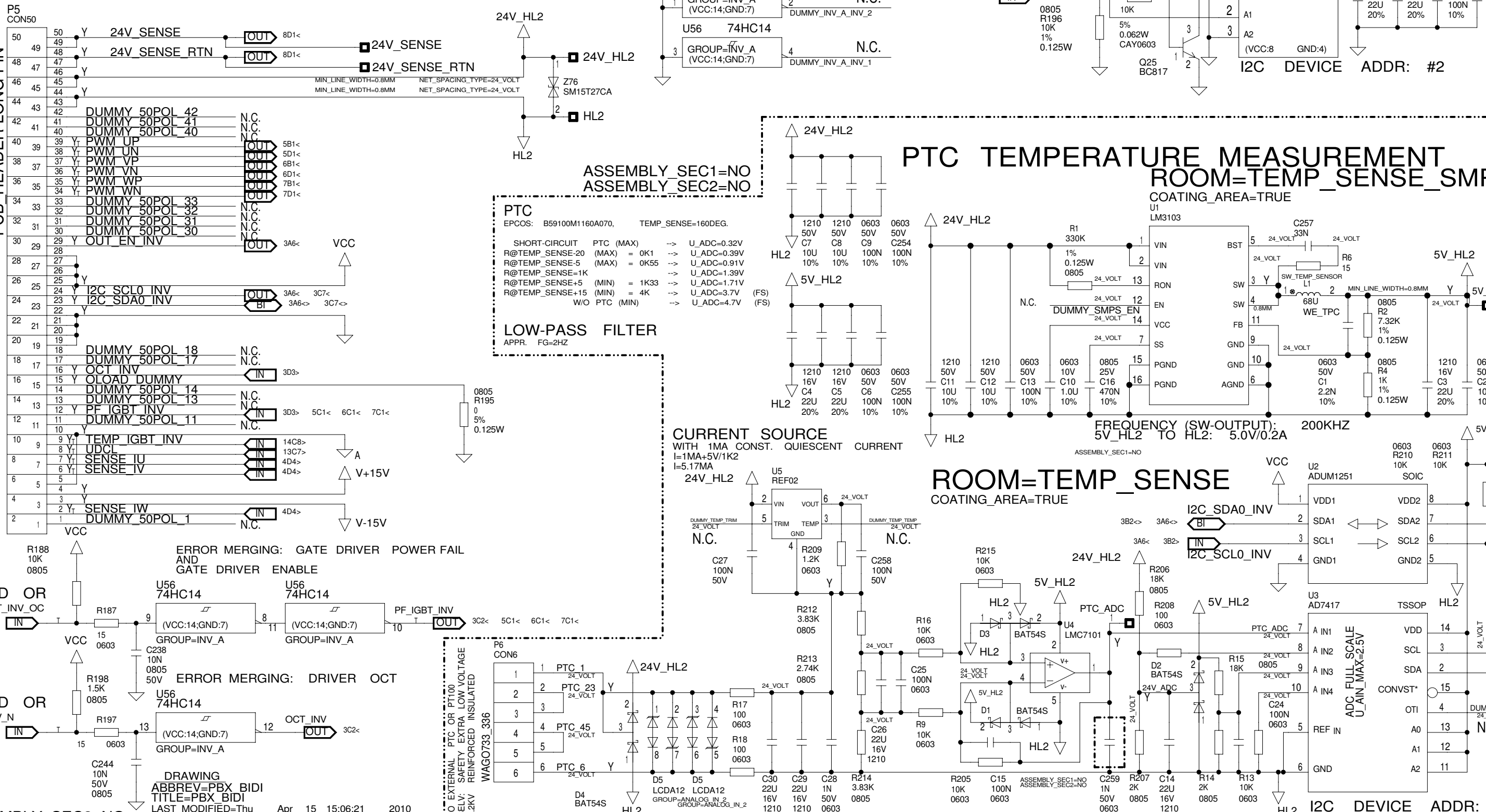
AUTH CA47A-000528

SHEET 2

CR-2 : @PROJ\_LIB.PBX\_BIDI(SCH\_1):PAGE2

LAST\_MODIFIED=Thu Apr 15 15:06:16 2010

## ROOM=LOGIC\_INVERTER



## Changes

**WARNING**

THIS WORK AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF OTIS ELEVATOR COMPANY (OTIS). IT IS DELIVERED TO OTHERS ON THE EXPRESS CONDITION THAT IT WILL BE USED ONLY FOR OR ON BEHALF OF OTIS ; THAT NEITHER IT OR NOR THE INFORMATION IT CONTAINS WILL BE REPRODUCED OR DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF OTIS ; AND THAT ON DEMAND IT AND ANY COPIES WILL BE PROMPTLY RETURNED TO OTIS.

UNPUBLISHED WORK (C) OTIS ELEVATOR COMPANY  
ALL RIGHTS RESERVED.



A United Technologies Company

CIRCUIT DIAGRAM FOR

PBX BIDI

CAD GENERATED  
CADENCE-CONCEPT

DWG GAA26800MX

OTIS ENGINEERING CENTER  
BERLIN, GERMANY

DRAWN <b>A. Tutat</b>	ORIGINAL	DATE
-----------------------	----------	------

CHK	M. Dehmlow	2010-04-13
-----	------------	------------

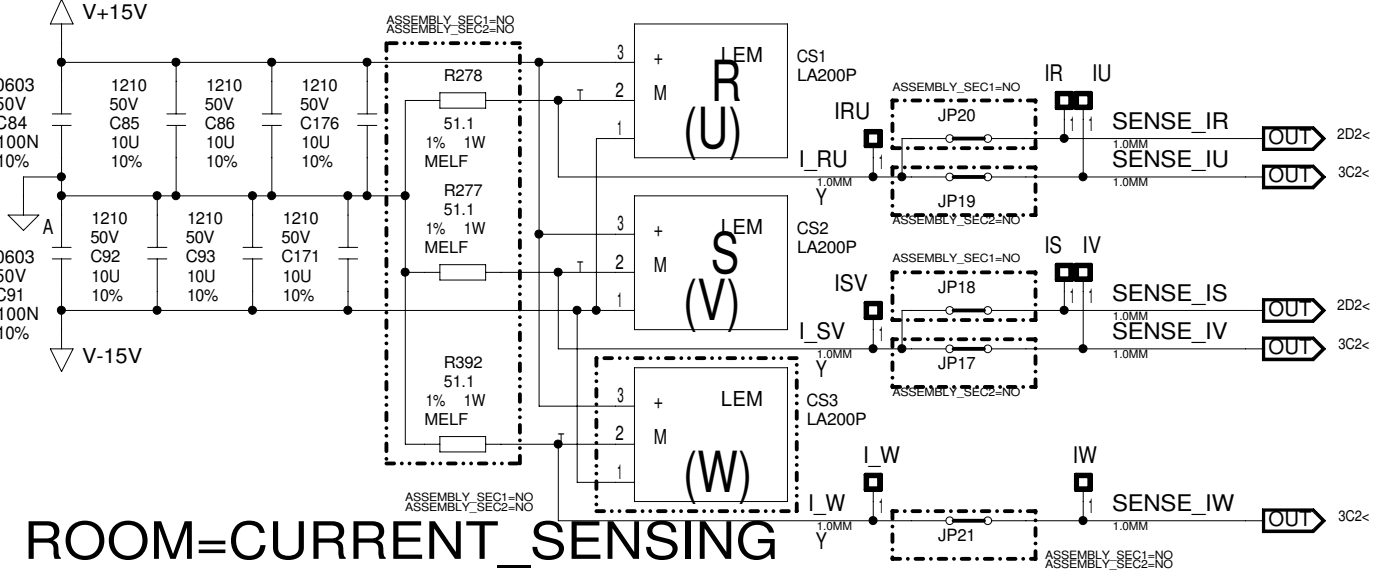
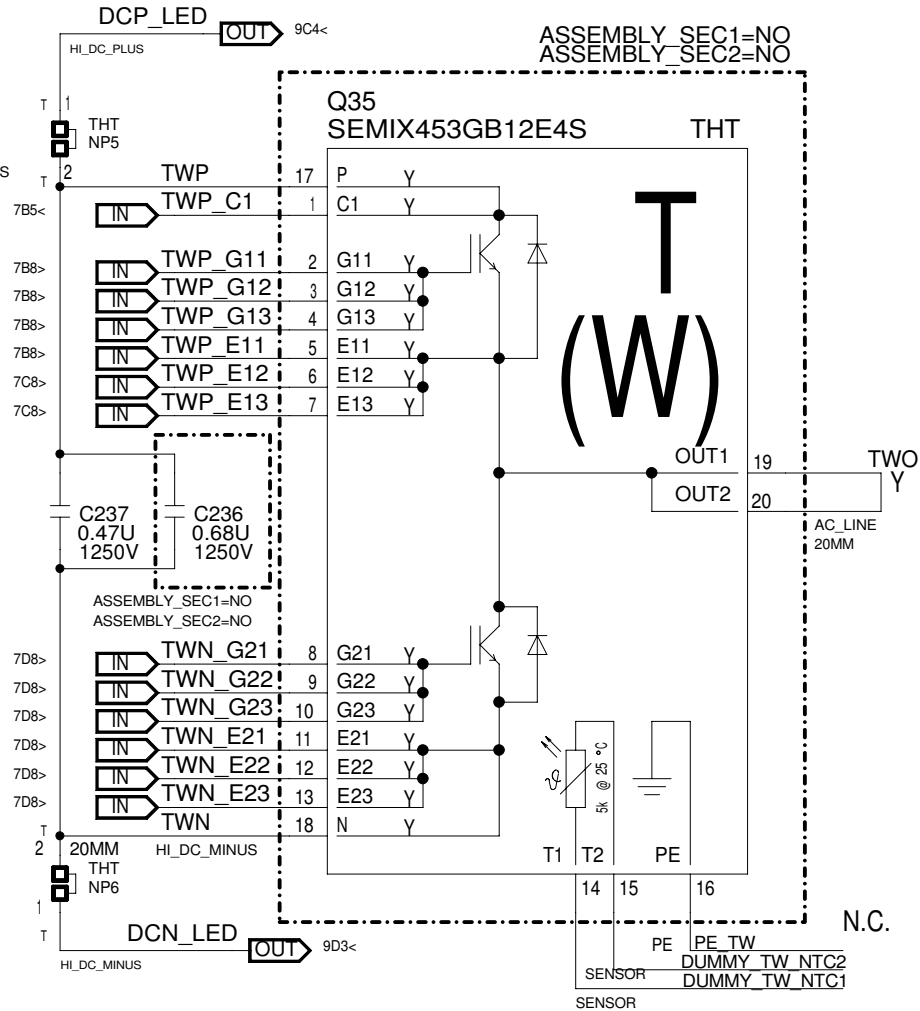
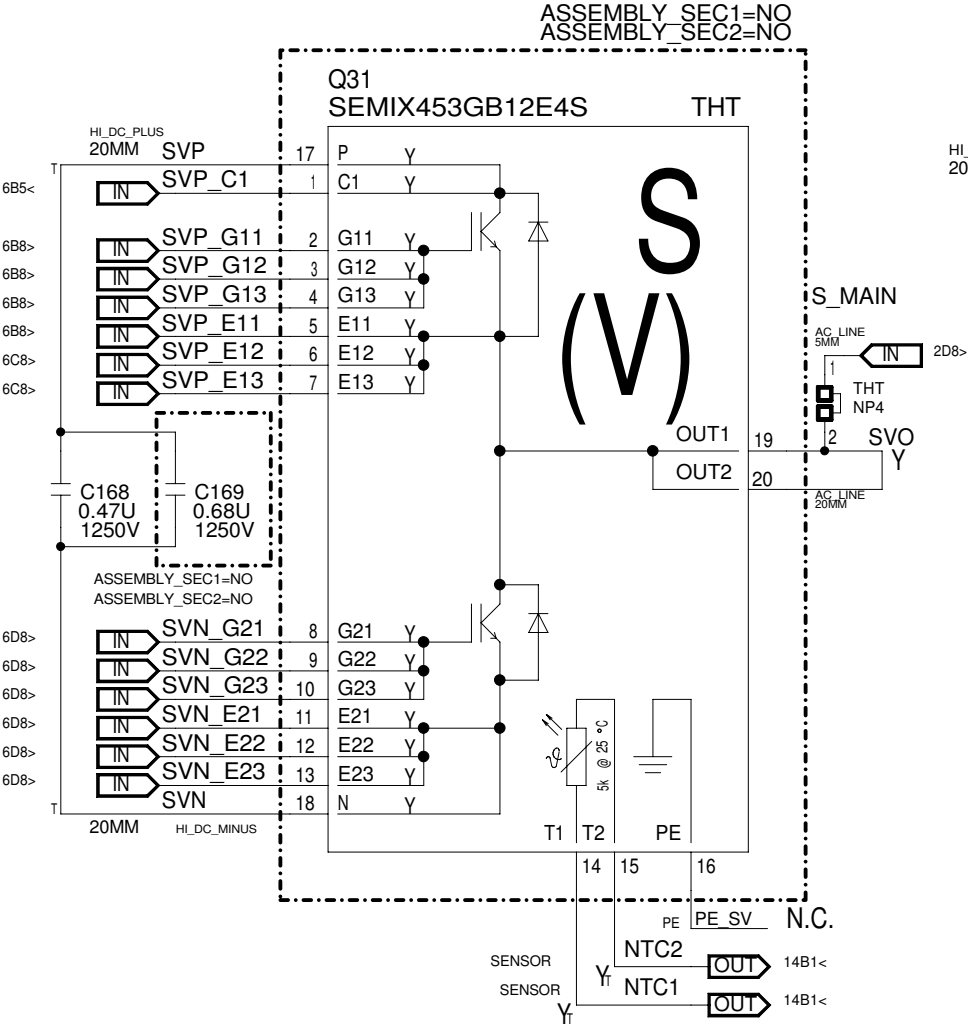
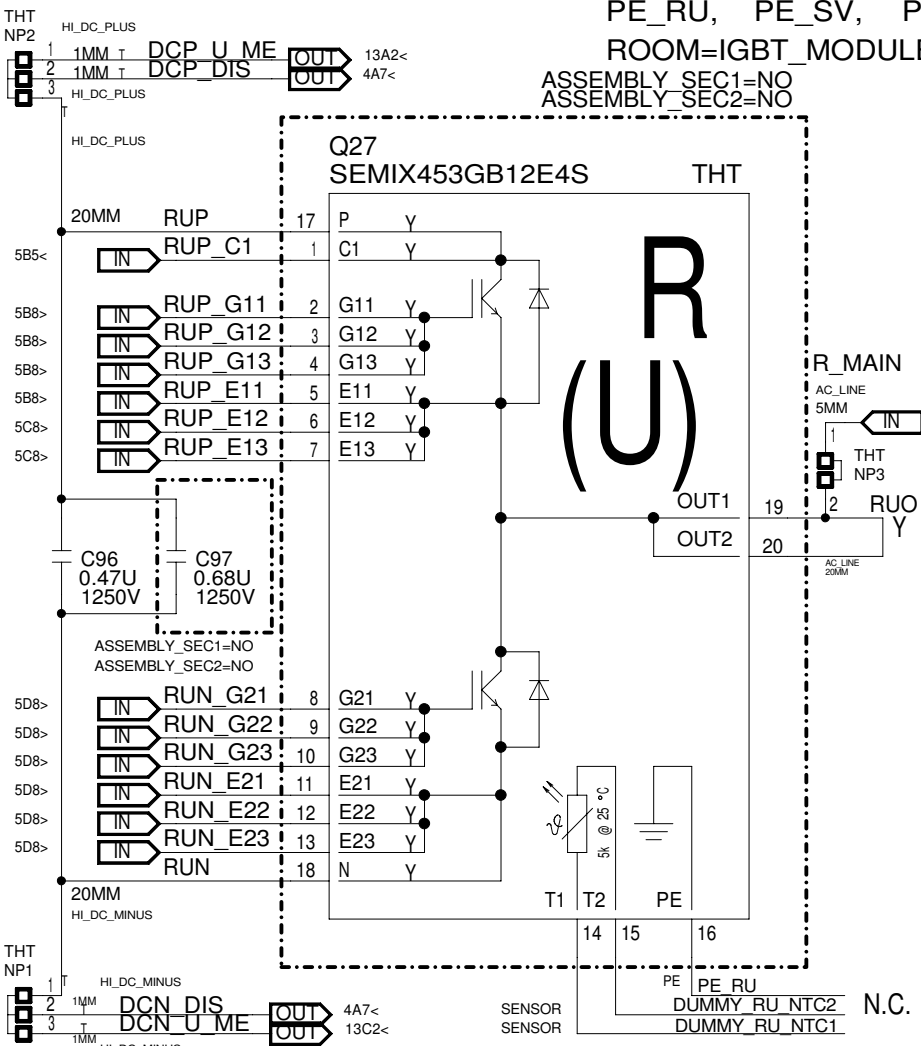
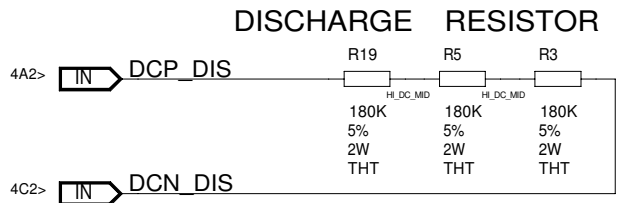
APPD	M. Dehmlow	35	SHEETS
ALITH	CA47A-000528	SHEET	3

DEVICE TYPE FOR DESIGN REFERENCE ONLY; REFER TO BOM FOR MANUFACTURING

OECD\_A3  
REV 2004-09-06

# IGBT MODULES

47NF AND 68NF ASSEMBLED ALTERNATIVELY ON THE SAME POSITION  
PE\_RU, PE\_SV, PE\_TW ASSIGNED AS SHIELDING  
ROOM=IGBT\_MODULES



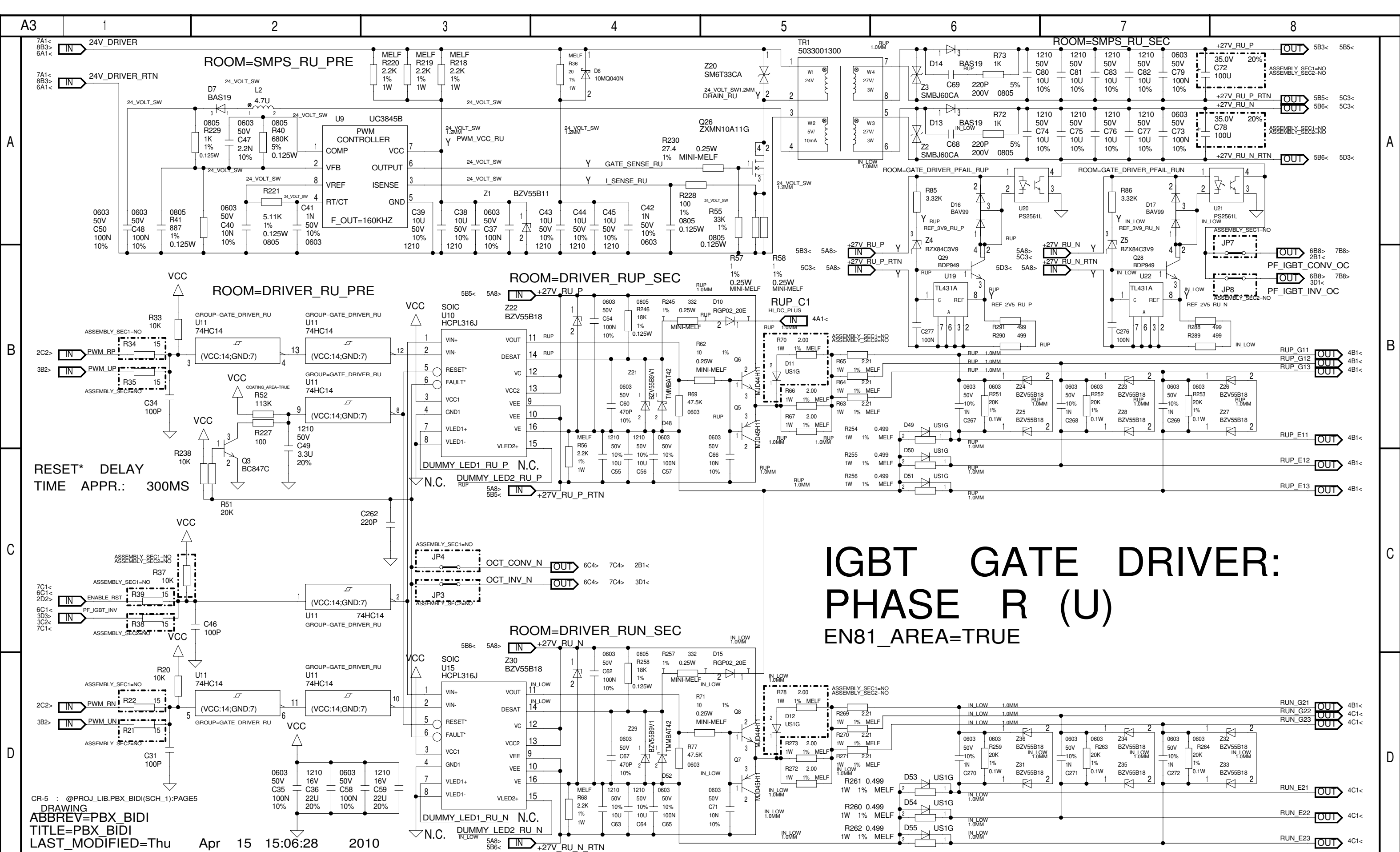
ROOM=CURRENT\_SENSING

## CURRENT SENSING

200A CURRENT SENSORS: GAA622S3  
S26P200D15Y TAMURA  
T60404-N4646-X201 VAC  
LA200-P LEM  
ASSEMBLED ALTERNATIVELY ON THE SAME POSITION

DRAWING ABBREV=PBX\_BIDI  
TITLE=PBX\_BIDI  
LAST\_MODIFIED=Thu Apr 15 15:06:10 2010

05CB\_A3  
REV 2004-09-06



0503B\_A3  
REV 2004-09-06

DEVICE TYPE FOR DESIGN REFERENCE ONLY; REFER TO BOM FOR MANUFACTURING

WARNING  
THIS WORK AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF OTIS ELEVATOR COMPANY (OTIS). IT IS DELIVERED TO OTHERS ON THE EXPRESS CONDITION THAT IT WILL BE USED ONLY FOR OR ON BEHALF OF OTIS ; THAT NEITHER IT OR NOR THE INFORMATION IT CONTAINS WILL BE REPRODUCED OR DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF OTIS ; AND THAT ON DEMAND IT AND ANY COPIES WILL BE PROMPTLY RETURNED TO OTIS.

UNPUBLISHED WORK (C) OTIS ELEVATOR COMPANY  
ALL RIGHTS RESERVED.



A United Technologies Company

CIRCUIT DIAGRAM FOR

PBX\_BIDI

CAD GENERATED  
CADENCE-CONCEPT

DWG GAA26800MX

OTIS ENGINEERING CENTER  
BERLIN, GERMANY

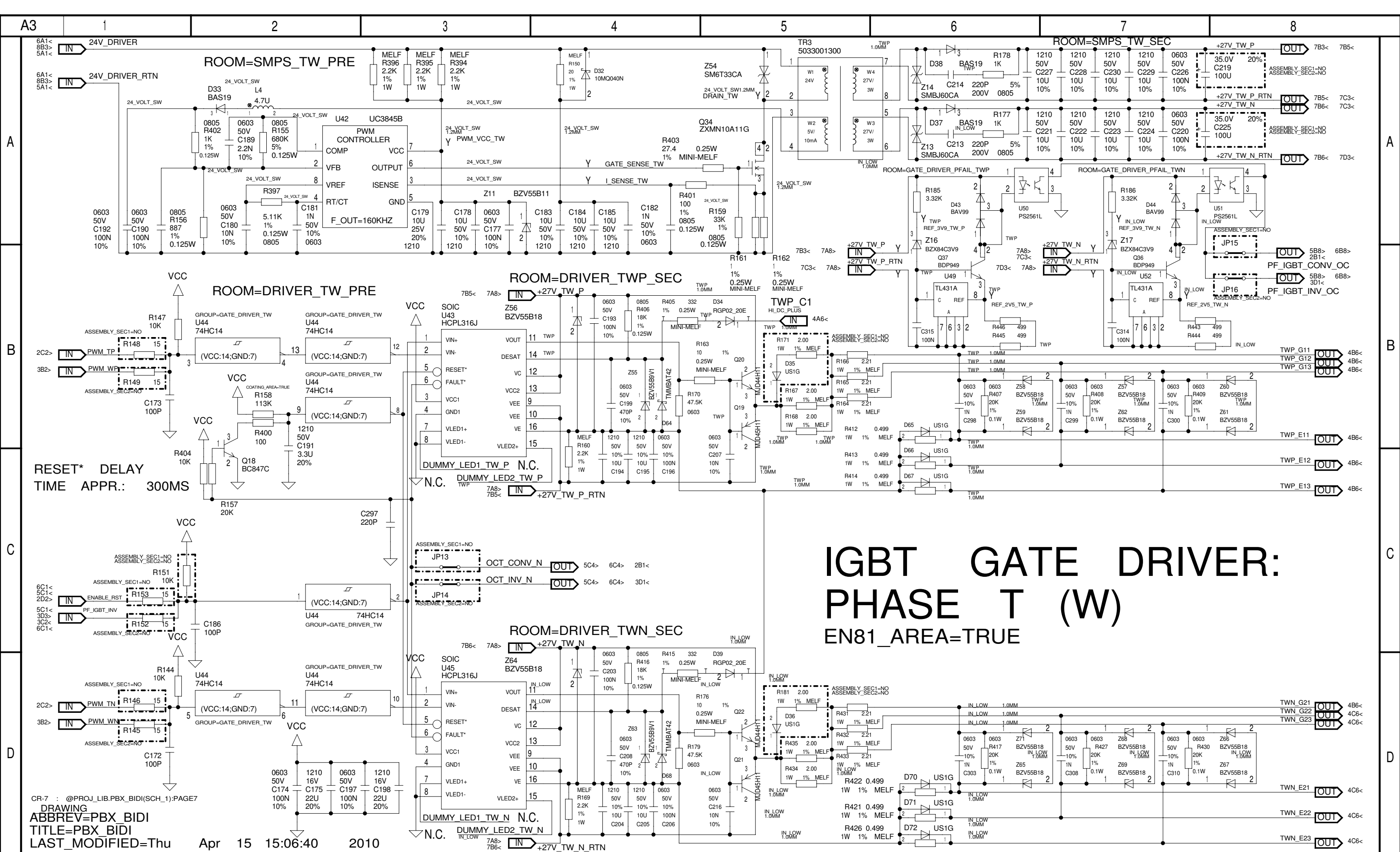
DRAWN A. Tutat ORIGINAL DATE

CHK M. Dehmlow 2010-04-13

APPD M. Dehmlow 35 SHEETS

AUTH CA47A-000528 SHEET 5





Changes

WARNING  
THIS WORK AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF OTIS ELEVATOR COMPANY (OTIS). IT IS DELIVERED TO OTHERS ON THE EXPRESS CONDITION THAT IT WILL BE USED ONLY FOR OR ON BEHALF OF OTIS ; THAT NEITHER IT OR NOR THE INFORMATION IT CONTAINS WILL BE REPRODUCED OR DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF OTIS ; AND THAT ON DEMAND IT AND ANY COPIES WILL BE PROMPTLY RETURNED TO OTIS.

UNPUBLISHED WORK (C) OTIS ELEVATOR COMPANY  
ALL RIGHTS RESERVED.



A United Technologies Company

CIRCUIT DIAGRAM FOR

PBX\_BIDI

CAD GENERATED  
CADENCE-CONCEPT

DWG GAA26800MX

OTIS ENGINEERING CENTER  
BERLIN, GERMANY

DRAWN A. Tutat ORIGINAL DATE

CHK M. Dehmlow 2010-04-13

APPD M. Dehmlow 35 SHEETS

AUTH CA47A-000528 SHEET 7

DEVICE TYPE FOR DESIGN REFERENCE ONLY; REFER TO BOM FOR MANUFACTURING

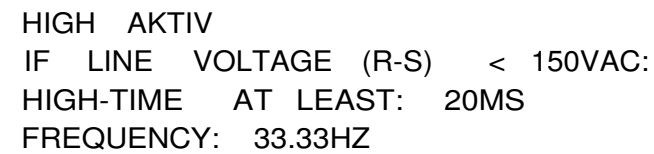







OECD A3  
REV 2004-09-06

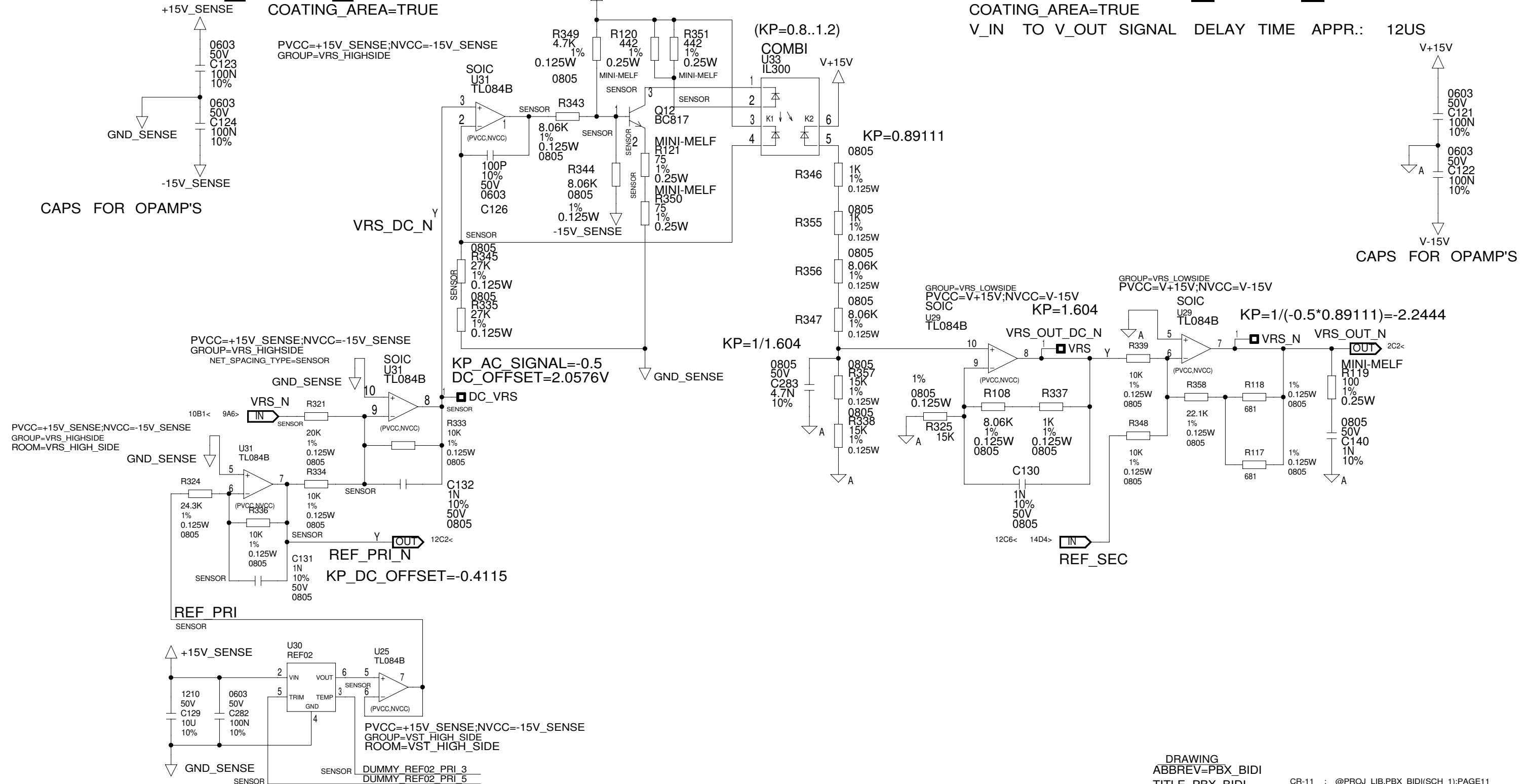
ROOM=POWER\_FAIL\_MONITORING  
COATING\_AREA=TRUE



DRAWING  
ABBREV=PBX\_BIDI  
TITLE=PBX\_BIDI  
LAST\_MODIFIED=Thu Apr 15 16:32:15 2010

Changes	WARNING THIS WORK AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF OTIS ELEVATOR COMPANY (OTIS). IT IS DELIVERED TO OTHERS ON THE EXPRESS CONDITION THAT IT WILL BE USED ONLY FOR OR ON BEHALF OF OTIS ; THAT NEITHER IT OR NOR THE INFORMATION IT CONTAINS WILL BE REPRODUCED OR DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF OTIS ; AND THAT ON DEMAND IT AND ANY COPIES WILL BE PROMPTLY RETURNED TO OTIS.  UNPUBLISHED WORK (C) OTIS ELEVATOR COMPANY ALL RIGHTS RESERVED.	<div>CIRCUIT DIAGRAM FOR</div> <div>PBX_BIDI</div> <div>CAD GENERATED CADENCE-CONCEPT</div>	DWG GAA26800MX
	OTIS ENGINEERING CENTER BERLIN, GERMANY		
DEVICE TYPE FOR DESIGN REFERENCE ONLY; REFER TO BOM FOR MANUFACTURING	<div><div>Otis</div>A United Technologies Company</div>	DRAWN A. Tutat ORIGINAL DATE	
		CHK M. Dehmlov 2010-04-13	
		APPD M. Dehmlov 35 SHEETS	
			AUTH CA47A-000528 SHEET 10

ROOM=VRS\_HIGH\_SIDE



DRAWING  
ABBREV=PBX\_BIDI  
TITLE=PBX\_BIDI  
LAST\_MODIFIED=Thu Apr 15 15:05:51 2010

ASSEMBLY\_SEC1=NO

## Changes

**WARNING**

THIS WORK AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF OTIS ELEVATOR COMPANY (OTIS). IT IS DELIVERED TO OTHERS ON THE EXPRESS CONDITION THAT IT WILL BE USED ONLY FOR OR ON BEHALF OF OTIS ; THAT NEITHER IT OR NOR THE INFORMATION IT CONTAINS WILL BE REPRODUCED OR DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF OTIS ; AND THAT ON DEMAND IT AND ANY COPIES WILL BE PROMPTLY RETURNED TO OTIS.

UNPUBLISHED WORK (C) OTIS ELEVATOR COMPANY  
ALL RIGHTS RESERVED.



A United Technologies Company

CIRCUIT DIAGRAM FOR

PBX BIDI

CAD GENERATED  
CADENCE-CONCEPT

DWG GAA26800MX

OTIS ENGINEERING CENTER  
BERLIN, GERMANY

DRAWN <b>A. Tutat</b>	ORIGINAL	DATE
-----------------------	----------	------

CHK	M. Dehmlow	2010-04-13
-----	------------	------------

APPD	M. Dehmlow	35 SHEETS
ALITH	CA47A-000528	SHEET 11

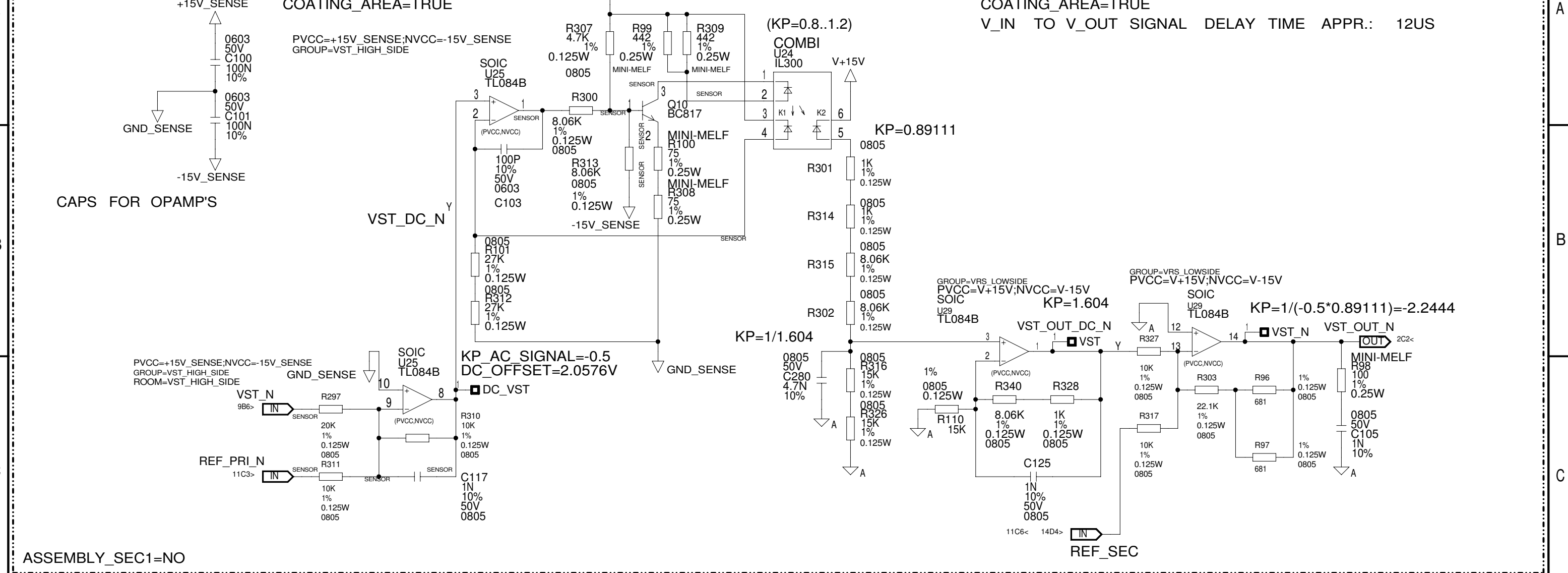
DEVICE TYPE FOR DESIGN REFERENCE ONLY; REFER TO BOM FOR MANUFACTURING

OECD\_A3  
REV 2004-09-06

VST PHASE TO PHASE INSULATION (CONV)

ROOM=VST\_HIGH\_SIDE

ROOM=VRS\_LOW\_SIDE



DRAWING

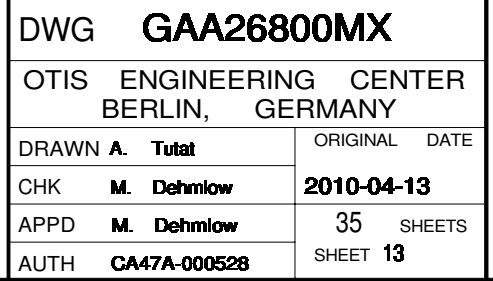
ABBREV=PBX\_BIDI

TITLE=PBX\_BIDI

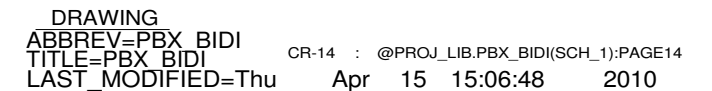
LAST\_MODIFIED=Thu Apr 15 15:05:55 2010

CR-12 : @PROJ\_LIB.PBX\_BIDI(SCH\_1):PAGE12

```
ROOM=DC LINK MEASURE_LOW_SIDE
COATING_AREA=TRUE
```



ROOM=IGBT\_TEMP\_LOW\_SIDE  
COATING\_AREA=TRUE




AUTH	CA47A-000528	SHEET 14
------	--------------	----------

OECD A3  
REV 2004-09-06

A3		1		2		3		4		5		6		7		8	
A	Title: Netsbypage Report Design: pbx_bidi Date: Dec 10 9:31:03 2009																A
	Page wise report of nets and their base nets																
	Page	Net	Name	Scope	Base	Net	Location([Zone][dir])										
	2	24V_SE		PBX_BIDI	24V_SE	2A6< 8B1< 8B1<											
	2	24V_SE_RTN		PBX_BIDI	24V_SE_RTN	2B6< 8B1< 8B1<											
	2	CHRG_N		PBX_BIDI	CHRG_N	2C2> 2B4<											
	2	CHRG_N		PBX_BIDI	CHRG_N	2C2> 2B4<											
	2	CNV_FLT		PBX_BIDI	CNV_FLT	2B3											
	2	CNV_OC_FLT		PBX_BIDI	CNV_OC_FLT	2B2											
	2	DIO_1C-CNV_FLT		PBX_BIDI	CNV_FLT	2B3											
B	2	DIO_2C-DEV_FLT		PBX_BIDI	DIO_2C-DEV_FLT	2B1											
	2	DIO_3C-PWM_XP		PBX_BIDI	DIO_3C-PWM_XP	2B1											
	2	DIO_4C-PWM_XN		PBX_BIDI	DIO_4C-PWM_XN	2B1											
	2	DIO_5C-PWM_YP		PBX_BIDI	DIO_5C-PWM_YP	2B1											
	2	DIO_6C-PWM_YN		PBX_BIDI	DIO_6C-PWM_YN	2B1											
	2	DIO_7C-PWM_ZP		PBX_BIDI	DIO_7C-PWM_ZP	2C1											
	2	DIO_8C-PWM_ZN		PBX_BIDI	DIO_8C-PWM_ZN	2C1											
	2	DUMMY_CONV_B_IN		PBX_BIDI	DUMMY_CONV_B_IN	2D4											
	2	DUMMY_CONV_B_IN		PBX_BIDI	DUMMY_CONV_B_IN	2D4											
	2	DUMMY_CONV_B_IN		PBX_BIDI	DUMMY_CONV_B_IN	2D4											
C	2	DUMMY_CONV_B_IN		PBX_BIDI	DUMMY_CONV_B_IN	2D4											
	2	DUMMY_CONV_B_IN		PBX_BIDI	DUMMY_CONV_B_IN	2D4											
	2	DUMMY_CONV_B_IN		PBX_BIDI	DUMMY_CONV_B_IN	2D4											
	2	DUMMY_CONV_B_IN		PBX_BIDI	DUMMY_CONV_B_IN	2D4											
	2	ENABLE_RST		PBX_BIDI	ENABLE_RST	2D2> 5C1< 6C1< 7C1<											
	2	I2C_SCL0_CONV		PBX_BIDI	I2C_SCL0_CONV	2C2> 2B6<											
	2	I2C_SCL0_CONV		PBX_BIDI	I2C_SCL0_CONV	2C2> 2B6<											
	2	I2C_SDA0_CONV		PBX_BIDI	I2C_SDA0_CONV	2C2<> 2C6<>											
	2	I2C_SDA0_CONV		PBX_BIDI	I2C_SDA0_CONV	2C2<> 2C6<>											
	2	OCT_CONV_N		PBX_BIDI	OCT_CONV_N	5C4> 6C4> 7C4> 2B1<											
D	2	OUT_EN_CONV		PBX_BIDI	OUT_EN_CONV	2C2> 2A5< 2C6<											
	2	OUT_EN_CONV		PBX_BIDI	OUT_EN_CONV	2C2> 2A5< 2C6<											
	2	OUT_EN_CONV		PBX_BIDI	OUT_EN_CONV	2C2> 2A5< 2C6<											
	2	PFAIL_RS		PBX_BIDI	PFAIL_RS	10C7> 2A1<											
	2	PFAIL_RS_CONV		PBX_BIDI	PFAIL_RS_CONV	2C1											
	2	PF_IGBT_CONV_OC		PBX_BIDI	PF_IGBT_CONV_OC	5B8> 6B8> 7B8> 2B1<											
	2	PWM_RN		PBX_BIDI	PWM_RN	2C2> 5D1<											
	2	PWM_RP		PBX_BIDI	PWM_RP	2C2> 5B1<											
	2	PWM_SN		PBX_BIDI	PWM_SN	2C2> 6D1<											
	2	PWM_SP		PBX_BIDI	PWM_SP	2C2> 6B1<											
	2	PWM_TN		PBX_BIDI	PWM_TN	2C2> 7D1<											
	2	PWM_TP		PBX_BIDI	PWM_TP	2C2> 7B1<											
	2	R_MAIN		PBX_BIDI	R_MAIN	2D8> 4B3<											
	2	R_RES		PBX_BIDI	R_RES	2D6											
	2	SENSE_IR		PBX_BIDI	SENSE_IR	4D4> 2D2<											
	2	SENSE_IS		PBX_BIDI	SENSE_IS	4D4> 2D2<											
	2	S_MAIN		PBX_BIDI	S_MAIN	2D8> 4B6<											
	2	S_RES		PBX_BIDI	S_RES	2D6											
	2 TEMP_IGBT_CONV PBX_BIDI TEMP_IGBT_CONV 14C8> 2D2<																
	2 UR PBX_BIDI UR 2D7> 9A1<																
2 US PBX_BIDI US 2D7> 9B1<																	
2 UT PBX_BIDI UT 2D7> 9B1<																	
2 VRS_OUT_N PBX_BIDI VRS_OUT_N 11B8> 2C2<																	
2 VST_OUT_N PBX_BIDI VST_OUT_N 12B8> 2C2<																	
3 24V_ADC PBX_BIDI 24V_ADC 3D7																	
3 24V_SENSE PBX_BIDI 24V_SENSE 3A2> 8D1<																	
3 24V_SENSE_RTN PBX_BIDI 24V_SENSE_RTN 3A2> 8D1<																	
3 DUMMY_50POL_1 PBX_BIDI DUMMY_50POL_1 3C1																	
3 DUMMY_50POL_11 PBX_BIDI DUMMY_50POL_11 3C1																	
3 DUMMY_50POL_13 PBX_BIDI DUMMY_50POL_13 3C1																	
3 DUMMY_50POL_14 PBX_BIDI DUMMY_50POL_14 3C1																	
3 DUMMY_50POL_17 PBX_BIDI DUMMY_50POL_17 3C1																	
3 DUMMY_50POL_18 PBX_BIDI DUMMY_50POL_18 3B1																	
3 DUMMY_50POL_30 PBX_BIDI DUMMY_50POL_30 3B1																	
3 DUMMY_50POL_31 PBX_BIDI DUMMY_50POL_31 3B1																	
3 DUMMY_50POL_32 PBX_BIDI DUMMY_50POL_32 3B1																	
3 DUMMY_50POL_33 PBX_BIDI DUMMY_50POL_33 3B1																	
3 DUMMY_50POL_40 PBX_BIDI DUMMY_50POL_40 3B1																	
3 DUMMY_50POL_41 PBX_BIDI DUMMY_50POL_41 3B1																	
3 DUMMY_50POL_42 PBX_BIDI DUMMY_50POL_42 3A1																	
3 DUMMY_INV_A_INV PBX_BIDI DUMMY_INV_A_INV 3A5																	
3 DUMMY_INV_A_INV PBX_BIDI DUMMY_INV_A_INV 3A5																	
3 DUMMY_INV_A_INV PBX_BIDI DUMMY_INV_A_INV 3A5																	
3 DUMMY_OTI PBX_BIDI DUMMY_OTI 3D8																	
3 DUMMY_SMPS_EN PBX_BIDI DUMMY_SMPS_EN 3B6																	
3 DUMMY_TEMP_TEMP PBX_BIDI DUMMY_TEMP_TEMP 3C5																	
3 DUMMY_TEMP_TRIM PBX_BIDI DUMMY_TEMP_TRIM 3C4																	
3 I2C_SCL0_INV PBX_BIDI I2C_SCL0_INV 3B2> 3A6< 3C7<																	
3 I2C_SCL0_INV PBX_BIDI I2C_SCL0_INV 3B2> 3A6< 3C7<																	
3 I2C_SCL0_INV PBX_BIDI I2C_SCL0_INV 3B2> 3A6< 3C7<																	
3 I2C_SDA0_INV PBX_BIDI I2C_SDA0_INV 3A6<> 3B2<> 3C7<>																	
3 I2C_SDA0_INV PBX_BIDI I2C_SDA0_INV 3A6<> 3B2<> 3C7<>																	
3 I2C_SDA0_INV PBX_BIDI I2C_SDA0_INV 3A6<> 3B2<> 3C7<>																	
3 OCT_INV PBX_BIDI OCT_INV 3D3> 3C2<																	
3 OCT_INV PBX_BIDI OCT_INV 3D3> 3C2<																	
3 OCT_INV_N PBX_BIDI OCT_INV_N 5C4> 6C4> 7C4> 3D1<																	
3 OLOAD_DUMMY PBX_BIDI OLOAD_DUMMY 3C1																	
3 OUT_EN_INV PBX_BIDI OUT_EN_INV 3B2> 3A6<																	
3 OUT_EN_INV PBX_BIDI OUT_EN_INV 3B2> 3A6<																	
3 PF_IGBT_INV PBX_BIDI PF_IGBT_INV 3D3> 3C2< 5C1< 6C1<																	
3 PF_IGBT_INV PBX_BIDI PF_IGBT_INV 3D3> 3C2< 5C1< 6C1<																	
3 PF_IGBT_INV PBX_BIDI PF_IGBT_INV 3D3> 3C2< 5C1< 6C1<																	
3 PF_IGBT_INV_OC PBX_BIDI PF_IGBT_INV_OC 5B8> 6B8> 7B8> 3D1<																	
3 PTC_1 PBX_BIDI PTC_1 3D4																	
3 PTC_6 PBX_BIDI PTC_6 3D4																	
3 PTC_23 PBX_BIDI PTC_23 3D4																	
3 PTC_45 PBX_BIDI PTC_45 3D4																	
3 PTC_ADC PBX_BIDI PTC_ADC 3D7																	
3 PWM_UN PBX_BIDI PWM_UN 3B2> 5D1<																	
Changes																	
THIS WORK AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF OTIS ELEVATOR COMPANY (OTIS). IT IS DELIVERED TO OTHERS ON THE EXPRESS CONDITION THAT IT WILL BE USED ONLY FOR OR ON BEHALF OF OTIS ; THAT NEITHER IT OR NOR THE INFORMATION IT CONTAINS WILL BE REPRODUCED OR DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF OTIS ; AND THAT ON DEMAND IT AND ANY COPIES WILL BE PROMPTLY RETURNED TO OTIS.																	
UNPUBLISHED WORK (C) OTIS ELEVATOR COMPANY ALL RIGHTS RESERVED.																	
CIRCUIT DIAGRAM FOR  PBX_BIDI																	
DWG GAA26800MX																	
OTIS ENGINEERING CENTER BERLIN, GERMANY																	
DRAWN A. Tutat ORIGINAL DATE																	
CHK M. Dehmlow 2010-04-13																	
APPD M. Dehmlow SHEETS																	
AUTH CA47A-000528 SHEET 15																	
CAD GENERATED CADENCE-CONCEPT																	
DEVICE TYPE FOR DESIGN REFERENCE ONLY; REFER TO BOM FOR MANUFACTURING																	





A3		1		2		3		4		5		6		7		8	
A	5	PF_IGBT_CONV_OC	PBX_BIDI	PF_IGBT_CONV_OC	5B8> 6B8> 7B8> 2B1<	6	PWM_SP	PBX_BIDI	PWM_SP	2C2> 6B1<	A						
	5	PF_IGBT_INV	PBX_BIDI	PF_IGBT_INV	3D3> 3C2< 5C1< 6C1< 7C1<	6	PWM_VCC_SV	PBX_BIDI	PWM_VCC_SV	6A3							
	5	PF_IGBT_INV_OC	PBX_BIDI	PF_IGBT_INV_OC	5B8> 6B8> 7B8> 3D1<	6	PWM_VN	PBX_BIDI	PWM_VN	3B2> 6D1<							
	5	PWM_RN	PBX_BIDI	PWM_RN	2C2> 5D1<	6	PWM_VP	PBX_BIDI	PWM_VP	3B2> 6B1<							
	5	PWM_RP	PBX_BIDI	PWM_RP	2C2> 5B1<	6	REF_2V5_SV_N	PBX_BIDI	REF_2V5_SV_N	6B7							
	5	PWM_UN	PBX_BIDI	PWM_UN	3B2> 5D1<	6	REF_2V5_SV_P	PBX_BIDI	REF_2V5_SV_P	6B6							
	5	PWM_UP	PBX_BIDI	PWM_UP	3B2> 5B1<	6	REF_3V9_SV_N	PBX_BIDI	REF_3V9_SV_N	6A7							
	5	PWM_VCC_RU	PBX_BIDI	PWM_VCC_RU	5A3	6	REF_3V9_SV_P	PBX_BIDI	REF_3V9_SV_P	6A6							
	5	REF_2V5_RU_N	PBX_BIDI	REF_2V5_RU_N	5B7	6	SVN_E21	PBX_BIDI	SVN_E21	6D8> 4C4<							
	5	REF_2V5_RU_P	PBX_BIDI	REF_2V5_RU_P	5B6	6	SVN_E22	PBX_BIDI	SVN_E22	6D8> 4C4<							
B	5	REF_2V5_RU_P	PBX_BIDI	REF_2V5_RU_P	5B6	6	SVN_E23	PBX_BIDI	SVN_E23	6D8> 4C4<	B						
	5	REF_3V9_RU_N	PBX_BIDI	REF_3V9_RU_N	5A7	6	SVN_G21	PBX_BIDI	SVN_G21	6D8> 4B4<							
	5	REF_3V9_RU_P	PBX_BIDI	REF_3V9_RU_P	5A6	6	SVN_G22	PBX_BIDI	SVN_G22	6D8> 4C4<							
	5	RUN_E21	PBX_BIDI	RUN_E21	5D8> 4C1<	6	SVN_G23	PBX_BIDI	SVN_G23	6D8> 4C4<							
	5	RUN_E22	PBX_BIDI	RUN_E22	5D8> 4C1<	6	SVP_C1	PBX_BIDI	SVP_C1	4A4< 6B5<							
	5	RUN_E23	PBX_BIDI	RUN_E23	5D8> 4C1<	6	SVP_E11	PBX_BIDI	SVP_E11	6B8> 4B4<							
	5	RUN_G21	PBX_BIDI	RUN_G21	5D8> 4B1<	6	SVP_E12	PBX_BIDI	SVP_E12	6C8> 4B4<							
	5	RUN_G22	PBX_BIDI	RUN_G22	5D8> 4C1<	6	SVP_E13	PBX_BIDI	SVP_E13	6C8> 4B4<							
	5	RUN_G23	PBX_BIDI	RUN_G23	5D8> 4C1<	6	SVP_G11	PBX_BIDI	SVP_G11	6B8> 4B4<							
	5	RUP_C1	PBX_BIDI	RUP_C1	4A1< 5B5<	6	SVP_G12	PBX_BIDI	SVP_G12	6B8> 4B4<							
C	5	RUP_E11	PBX_BIDI	RUP_E11	5B8> 4B1<	6	SVP_G13	PBX_BIDI	SVP_G13	6B8> 4B4<	C						
	5	RUP_E12	PBX_BIDI	RUP_E12	5C8> 4B1<	7	+27V_TW_N	PBX_BIDI	+27V_TW_N	7A8> 7B6< 7C3<							
	5	RUP_E13	PBX_BIDI	RUP_E13	5C8> 4B1<	7	+27V_TW_N	PBX_BIDI	+27V_TW_N	7A8> 7B6< 7C3<							
	5	RUP_E13	PBX_BIDI	RUP_E13	5C8> 4B1<	7	+27V_TW_N	PBX_BIDI	+27V_TW_N	7A8> 7B6< 7C3<							
	5	RUP_G11	PBX_BIDI	RUP_G11	5B8> 4B1<	7	+27V_TW_N_RTN	PBX_BIDI	+27V_TW_N_RTN	7A8> 7B6< 7D3<							
	5	RUP_G12	PBX_BIDI	RUP_G12	5B8> 4B1<	7	+27V_TW_N_RTN	PBX_BIDI	+27V_TW_N_RTN	7A8> 7B6< 7D3<							
	5	RUP_G13	PBX_BIDI	RUP_G13	5B8> 4B1<	7	+27V_TW_N_RTN	PBX_BIDI	+27V_TW_N_RTN	7A8> 7B6< 7D3<							
	6	+27V_SV_N	PBX_BIDI	+27V_SV_N	6A8> 6B6< 6C3<	7	+27V_TW_N_RTN	PBX_BIDI	+27V_TW_N_RTN	7A8> 7B6< 7D3<							
	6	+27V_SV_N	PBX_BIDI	+27V_SV_N	6A8> 6B6< 6C3<	7	+27V_TW_P	PBX_BIDI	+27V_TW_P	7A8> 7B3< 7B5<							
	6	+27V_SV_N	PBX_BIDI	+27V_SV_N	6A8> 6B6< 6C3<	7	+27V_TW_P	PBX_BIDI	+27V_TW_P	7A8> 7B3< 7B5<							
D	6	+27V_SV_N_RTN	PBX_BIDI	+27V_SV_N_RTN	6A8> 6B6< 6D3<	7	+27V_TW_P	PBX_BIDI	+27V_TW_P	7A8> 7B3< 7B5<	D						
	6	+27V_SV_N_RTN	PBX_BIDI	+27V_SV_N_RTN	6A8> 6B6< 6D3<	7	+27V_TW_P_RTN	PBX_BIDI	+27V_TW_P_RTN	7A8> 7B5< 7C3<							
	6	+27V_SV_N_RTN	PBX_BIDI	+27V_SV_N_RTN	6A8> 6B6< 6D3<	7	+27V_TW_P_RTN	PBX_BIDI	+27V_TW_P_RTN	7A8> 7B5< 7C3<							
	6	+27V_SV_P	PBX_BIDI	+27V_SV_P	6A8> 6B3< 6B5<	7	+27V_TW_P_RTN	PBX_BIDI	+27V_TW_P_RTN	7A8> 7B5< 7C3<							
	6	+27V_SV_P	PBX_BIDI	+27V_SV_P	6A8> 6B3< 6B5<	7	24V_DRIVER	PBX_BIDI	24V_DRIVER	8B3> 5A1< 6A1< 7A1<							
	6	+27V_SV_P	PBX_BIDI	+27V_SV_P	6A8> 6B3< 6B5<	7	24V_DRIVER_RTN	PBX_BIDI	24V_DRIVER_RTN	8B3> 5A1< 6A1< 7A1<							
	6	+27V_SV_P_RTN	PBX_BIDI	+27V_SV_P_RTN	6A8> 6B5< 6C3<	7	DRAIN_TW	PBX_BIDI	DRAIN_TW	7A4							
	6	+27V_SV_P_RTN	PBX_BIDI	+27V_SV_P_RTN	6A8> 6B5< 6C3<	7	DUMMY_LED1_TW_N	PBX_BIDI	DUMMY_LED1_TW_N	7D3							
	6	+27V_SV_P_RTN	PBX_BIDI	+27V_SV_P_RTN	6A8> 6B5< 6C3<	7	DUMMY_LED1_TW_P	PBX_BIDI	DUMMY_LED1_TW_P	7C3							
	6	24V_DRIVER	PBX_BIDI	24V_DRIVER	8B3> 5A1< 6A1< 7A1<	7	DUMMY_LED2_TW_N	PBX_BIDI	DUMMY_LED2_TW_N	7D3							
Changes		THIS WORK AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF OTIS ELEVATOR COMPANY (OTIS). IT IS DELIVERED TO OTHERS ON THE EXPRESS CONDITION THAT IT WILL BE USED ONLY FOR OR ON BEHALF OF OTIS ; THAT NEITHER IT OR NOR THE INFORMATION IT CONTAINS WILL BE REPRODUCED OR DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF OTIS ; AND THAT ON DEMAND IT AND ANY COPIES WILL BE PROMPTLY RETURNED TO OTIS.		CIRCUIT DIAGRAM FOR		DWG GAA26800MX											
DEVICE TYPE FOR DESIGN REFERENCE ONLY; REFER TO BOM FOR MANUFACTURING		UNPUBLISHED WORK (C) OTIS ELEVATOR COMPANY ALL RIGHTS RESERVED.		PBX_BIDI		OTIS ENGINEERING CENTER BERLIN, GERMANY											
		 Otis A United Technologies Company		CAD GENERATED CADENCE-CONCEPT		DRAWN A. Tutat ORIGINAL DATE CHK M. Dehmlow 2010-04-13 APPD M. Dehmlow SHEETS AUTH CA47A-000528 SHEET 17											

A3		1		2		3		4		5		6		7		8	
A	7	REF_2V5_TW_P	PBX_BIDI	REF_2V5_TW_P	7B6					10	CONTROL_555	PBX_BIDI	CONTROL_555	10C3			
	7	REF_3V9_TW_N	PBX_BIDI	REF_3V9_TW_N	7A7					10	DISCH_THRES_555	PBX_BIDI	DISCH_THRES_555	10C4			
	7	REF_3V9_TW_P	PBX_BIDI	REF_3V9_TW_P	7A6					10	DUMMY_COMP_A	PBX_BIDI	DUMMY_COMP_A	10B7			
	7	TWN_E21	PBX_BIDI	TWN_E21	7D8> 4C6<					10	DUMMY_COMP_B	PBX_BIDI	DUMMY_COMP_B	10B8			
	7	TWN_E22	PBX_BIDI	TWN_E22	7D8> 4C6<					10	GATE_TO_TRIGGER	PBX_BIDI	GATE_TO_TRIGGER	10C3			
	7	TWN_E23	PBX_BIDI	TWN_E23	7D8> 4C6<					10	OUTPUT_555	PBX_BIDI	OUTPUT_555	10C4			
	7	TWN_G21	PBX_BIDI	TWN_G21	7D8> 4B6<					10	OUTPUT_TP_555	PBX_BIDI	OUTPUT_TP_555	10C4			
	7	TWN_G22	PBX_BIDI	TWN_G22	7D8> 4C6<					10	PFAIL_COMP	PBX_BIDI	PFAIL_COMP	10C3			
	7	TWN_G23	PBX_BIDI	TWN_G23	7D8> 4C6<					10	PFAIL_N_FILTERE	PBX_BIDI	PFAIL_N_FILTERE	10C1			
	7	TWP_C1	PBX_BIDI	TWP_C1	4A6< 7B5<						D						
B	7	TWP_E11	PBX_BIDI	TWP_E11	7B8> 4B6<					10	PFAIL_RS	PBX_BIDI	PFAIL_RS	10C7> 2A1<			
	7	TWP_E12	PBX_BIDI	TWP_E12	7C8> 4B6<					10	REF_N	PBX_BIDI	REF_N	10C2			
	7	TWP_E13	PBX_BIDI	TWP_E13	7C8> 4B6<					10	REF_P	PBX_BIDI	REF_P	10C2			
	7	TWP_G11	PBX_BIDI	TWP_G11	7B8> 4B6<					10	TRIGGER_555	PBX_BIDI	TRIGGER_555	10C3			
	7	TWP_G12	PBX_BIDI	TWP_G12	7B8> 4B6<					10	VRS_N	PBX_BIDI	VRS_N	9A6> 10B1< 11C2<			
	7	TWP_G13	PBX_BIDI	TWP_G13	7B8> 4B6<					10	VRS_N_RECTIFIED	PBX_BIDI	VRS_N_RECTIFIED	10B3			
	8	24V_DRIVER	PBX_BIDI	24V_DRIVER	8B3> 5A1< 6A1< 7A1<					11	DUMMY_REF02_PRI	PBX_BIDI	DUMMY_REF02_PRI	11D2			
	8	24V_DRIVER_RTN	PBX_BIDI	24V_DRIVER_RTN	8B3> 5A1< 6A1< 7A1<						_3						
	8	24V_SE	PBX_BIDI	24V_SE	2A6< 8B1< 8B1<					11	DUMMY_REF02_PRI	PBX_BIDI	DUMMY_REF02_PRI	11D2			
	8	24V_SE	PBX_BIDI	24V_SE	2A6< 8B1< 8B1<						_5						
C	8	24V_SENSE	PBX_BIDI	24V_SENSE	3A2> 8D1<					11	REF_PRI	PBX_BIDI	REF_PRI	11D1			
	8	24V_SENSE_RTN	PBX_BIDI	24V_SENSE_RTN	3A2> 8D1<					11	REF_PRI_N	PBX_BIDI	REF_PRI_N	11C3> 12C2<			
	8	24V_SE_RTN	PBX_BIDI	24V_SE_RTN	2B6< 8B1< 8B1<					11	REF_SEC	PBX_BIDI	REF_SEC	14D4> 11C6< 12C6<			
	8	24V_SE_RTN	PBX_BIDI	24V_SE_RTN	2B6< 8B1< 8B1<					11	VRS_DC_N	PBX_BIDI	VRS_DC_N	11B2			
	8	24V_SMPS_SENSE	PBX_BIDI	24V_SMPS_SENSE	8B2					11	VRS_N	PBX_BIDI	VRS_N	9A6> 10B1< 11C2<			
	8	24V_SMPS_SENSE_RTN	PBX_BIDI	24V_SMPS_SENSE_RTN	8D4					11	VRS_OUT_DC_N	PBX_BIDI	VRS_OUT_DC_N	11B6			
	8	24V_SW	PBX_BIDI	24V_SW	8A1					11	VRS_OUT_N	PBX_BIDI	VRS_OUT_N	11B8> 2C2<			
	8	24V_SW_RTN	PBX_BIDI	24V_SW_RTN	8A1					12	REF_PRI_N	PBX_BIDI	REF_PRI_N	11C3> 12C2<			
	8	ISENSE	PBX_BIDI	ISENSE	8C5					12	REF_SEC	PBX_BIDI	REF_SEC	14D4> 11C6< 12C6<			
	8	I_SENSE_PWM_CON TROLLER	PBX_BIDI	I_SENSE_PWM_CON TROLLER	8D5					12	VST_DC_N	PBX_BIDI	VST_DC_N	12B2			
D	8	SENSE_PWM_CONTR OLLER_SUPPLY	PBX_BIDI	SENSE_PWM_CONTR OLLER_SUPPLY	8B3					12	VST_N	PBX_BIDI	VST_N	9B6> 12C2<			
	8	SMPS_SENSE_DRAIN	PBX_BIDI	SMPS_SENSE_DRAIN	8C5					12	VST_OUT_DC_N	PBX_BIDI	VST_OUT_DC_N	12B6			
	8	SMPS_SENSE_GATE	PBX_BIDI	SMPS_SENSE_GATE	8C5					12	VST_OUT_N	PBX_BIDI	VST_OUT_N	12B8> 2C2<			
	8	VCC_PWM_CONTROL LER	PBX_BIDI	VCC_PWM_CONTROL LER	8C4					13	DCN_U_ME	PBX_BIDI	DCN_U_ME	4C2> 13C2<			
	9	DCN_LED	PBX_BIDI	DCN_LED	4C7> 9D3<					13	DCN_U_ME_1	PBX_BIDI	DCN_U_ME_1	13C1			
	9	DCN_LED_1	PBX_BIDI	DCN_LED_1	9D3					13	DCP_U_ME	PBX_BIDI	DCP_U_ME	4A2> 13A2<			
	9	DCN_LED_2	PBX_BIDI	DCN_LED_2	9D4					13	DCP_U_ME_1	PBX_BIDI	DCP_U_ME_1	13B1			
	9	DCN_LED_3	PBX_BIDI	DCN_LED_3	9D4					13	DC_ME	PBX_BIDI	DC_ME	13B3			
	9	DCN_LED_4	PBX_BIDI	DCN_LED_4	9D4					13	UDCL	PBX_BIDI	UDCL	13C7> 3C2<			
	9	DCN_LED_5	PBX_BIDI	DCN_LED_5	9D4					13	V+15V	PBX_BIDI	V+15V	13B5 13C5			
Changes																	
THIS WORK AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF OTIS ELEVATOR COMPANY (OTIS). IT IS DELIVERED TO OTHERS ON THE EXPRESS CONDITION THAT IT WILL BE USED ONLY FOR OR ON BEHALF OF OTIS ; THAT NEITHER IT OR NOR THE INFORMATION IT CONTAINS WILL BE REPRODUCED OR DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF OTIS ; AND THAT ON DEMAND IT AND ANY COPIES WILL BE PROMPTLY RETURNED TO OTIS.																	
UNPUBLISHED WORK (C) OTIS ELEVATOR COMPANY ALL RIGHTS RESERVED.																	
Otis A United Technologies Company																	
CIRCUIT DIAGRAM FOR  PBX_BIDI  CAD GENERATED CADENCE-CONCEPT																	
DWG GAA26800MX OTIS ENGINEERING CENTER BERLIN, GERMANY																	
DRAWN A. Tutat ORIGINAL DATE 2010-04-13																	
CHK M. Dehmlow																	
APPD M. Dehmlow SHEETS																	
AUTH CA47A-000528 SHEET 18																	
DEVICE TYPE FOR DESIGN REFERENCE ONLY; REFER TO BOM FOR MANUFACTURING																	

05C03\_A3  
REV 2004-09-06

A3		1		2		3		4		5		6		7		8	
A	<div><div>Title: Cref Part Report</div><div>Design: pbx_bidi</div><div>Date: Dec 10 9:31:03 2009</div></div>																A
B	<div>+15V MP_THT pbx_bidi[ 2D3 ]</div> <div>-15V MP_THT pbx_bidi[ 2D3 ]</div> <div>5V_HL2 MP_THT pbx_bidi[ 3B8 ]</div> <div>24V_HL2 MP_THT pbx_bidi[ 3A4 ]</div> <div>24V_SENSE MP_THT pbx_bidi[ 3A3 ]</div> <div>24V_SENSE_ MP_THT pbx_bidi[ 3A3 ]</div> <div>RTN</div> <div>AGND MP_THT pbx_bidi[ 2D1 ]</div> <div>A_GND MP_THT pbx_bidi[ 2D1 ]</div> <div>C1 C_0603 pbx_bidi[ 3B8 ]</div> <div>C2 C_0603 pbx_bidi[ 3C8 ]</div> <div>C3 C_1210 pbx_bidi[ 3C8 ]</div> <div>C4 C_1210 pbx_bidi[ 3B5 ]</div> <div>C5 C_1210 pbx_bidi[ 3B5 ]</div> <div>C6 C_0603 pbx_bidi[ 3B5 ]</div> <div>C7 C_1210 pbx_bidi[ 3B5 ]</div> <div>C8 C_1210 pbx_bidi[ 3B5 ]</div> <div>C9 C_0603 pbx_bidi[ 3B5 ]</div> <div>C10 C_0603 pbx_bidi[ 3C6 ]</div> <div>C11 C_1210 pbx_bidi[ 3C5 ]</div> <div>C12 C_1210 pbx_bidi[ 3C6 ]</div> <div>C13 C_0603 pbx_bidi[ 3C6 ]</div> <div>C14 C_1210 pbx_bidi[ 3D7 ]</div> <div>C15 C_0603 pbx_bidi[ 3D6 ]</div> <div>C16 C_0805 pbx_bidi[ 3C6 ]</div> <div>C17 C_1210 pbx_bidi[ 2C8 ]</div> <div>C18 C_0603 pbx_bidi[ 2C8 ]</div> <div>C19 C_0603 pbx_bidi[ 2C8 ]</div> <div>C20 C_1210 pbx_bidi[ 2C8 ]</div> <div>C21 CAP_THT pbx_bidi[ 8C2 ]</div> <div>C22 C_1210 pbx_bidi[ 8C2 ]</div> <div>C23 C_0805 pbx_bidi[ 2B2 ]</div> <div>C24 C_0603 pbx_bidi[ 3D7 ]</div> <div>C25 C_0603 pbx_bidi[ 3D5 ]</div> <div>C26 C_1210 pbx_bidi[ 3D5 ]</div> <div>C27 C_0603 pbx_bidi[ 3C5 ]</div> <div>C28 C_0603 pbx_bidi[ 3D5 ]</div> <div>C29 C_1210 pbx_bidi[ 3D5 ]</div> <div>C30 C_1210 pbx_bidi[ 3D5 ]</div> <div>C31 C_0603 pbx_bidi[ 5D1 ]</div> <div>C32 C_0805 pbx_bidi[ 2B2 ]</div> <div>C33 C_0805 pbx_bidi[ 2B2 ]</div> <div>C34 C_0603 pbx_bidi[ 5B1 ]</div> <div>C35 C_0603 pbx_bidi[ 5D2 ]</div> <div>C36 C_1210 pbx_bidi[ 5D2 ]</div> <div>C37 C_0603 pbx_bidi[ 5A3 ]</div> <div>C38 C_1210 pbx_bidi[ 5A3 ]</div> <div>C39 C_1210 pbx_bidi[ 5A3 ]</div> <div>C40 C_0603 pbx_bidi[ 5A2 ]</div> <div>C41 C_0603 pbx_bidi[ 5A2 ]</div>																B
C																	C
D																	D

OCB3\_A3  
REV 2004-09-06

A3		1		2		3		4		5		6		7		8			
A		C97	C_THT	pbx_bidi[	4B1 ]	C152	C_0603	pbx_bidi[	6D5 ]	A									
		C98	C_1210	pbx_bidi[	14C3 ]	C153	CAP_THT	pbx_bidi[	6A7 ]										
		C99	C_1210	pbx_bidi[	14D1 ]	C154	C_0603	pbx_bidi[	6A7 ]										
		C100	C_0603	pbx_bidi[	12A2 ]	C155	C_1210	pbx_bidi[	6A6 ]										
		C101	C_0603	pbx_bidi[	12A2 ]	C156	C_1210	pbx_bidi[	6A7 ]										
		C102	C_0603	pbx_bidi[	6D1 ]	C157	C_1210	pbx_bidi[	6A7 ]										
		C103	C_0603	pbx_bidi[	12B3 ]	C158	C_1210	pbx_bidi[	6A7 ]										
		C104	C_0603	pbx_bidi[	6B1 ]	C159	CAP_THT	pbx_bidi[	6A7 ]										
		C105	C_0805	pbx_bidi[	12C7 ]	C160	C_0603	pbx_bidi[	6A7 ]										
		C106	C_0603	pbx_bidi[	6D2 ]	C161	C_1210	pbx_bidi[	6A6 ]										
B		C107	C_1210	pbx_bidi[	6D2 ]	C162	C_1210	pbx_bidi[	6A7 ]	B									
		C108	C_0603	pbx_bidi[	6A3 ]	C163	C_1210	pbx_bidi[	6A7 ]										
		C109	C_1210	pbx_bidi[	6A3 ]	C164	C_1210	pbx_bidi[	6A7 ]										
		C110	C_1210	pbx_bidi[	6A3 ]	C165	C_0805	pbx_bidi[	10B4 ]										
		C111	C_0603	pbx_bidi[	6A2 ]	C166	C_0603	pbx_bidi[	10B6 ]										
		C112	C_0603	pbx_bidi[	6A2 ]	C167	C_0805	pbx_bidi[	10C2 ]										
		C113	C_0603	pbx_bidi[	6A4 ]	C168	C_THT	pbx_bidi[	4B4 ]										
		C114	C_1210	pbx_bidi[	6A4 ]	C169	C_THT	pbx_bidi[	4B4 ]										
		C115	C_1210	pbx_bidi[	6A4 ]	C170	C_1210	pbx_bidi[	10C5 ]										
		C116	C_1210	pbx_bidi[	6A4 ]	C171	C_1210	pbx_bidi[	4D2 ]										
C		C117	C_0805	pbx_bidi[	12C3 ]	C172	C_0603	pbx_bidi[	7D1 ]	C									
		C118	C_0603	pbx_bidi[	6C2 ]	C173	C_0603	pbx_bidi[	7B1 ]										
		C119	C_0603	pbx_bidi[	6A2 ]	C174	C_0603	pbx_bidi[	7D2 ]										
		C120	C_0603	pbx_bidi[	6A1 ]	C175	C_1210	pbx_bidi[	7D2 ]										
		C121	C_0603	pbx_bidi[	11A8 ]	C176	C_1210	pbx_bidi[	4C2 ]										
		C122	C_0603	pbx_bidi[	11B8 ]	C177	C_0603	pbx_bidi[	7A3 ]										
		C123	C_0603	pbx_bidi[	11A2 ]	C178	C_1210	pbx_bidi[	7A3 ]										
		C124	C_0603	pbx_bidi[	11A2 ]	C179	C_1210	pbx_bidi[	7A3 ]										
		C125	C_0805	pbx_bidi[	12C6 ]	C180	C_0603	pbx_bidi[	7A2 ]										
		C126	C_0603	pbx_bidi[	11B3 ]	C181	C_0603	pbx_bidi[	7A2 ]										
D		C127	C_1210	pbx_bidi[	6B2 ]	C182	C_0603	pbx_bidi[	7A4 ]	D									
		C128	C_0603	pbx_bidi[	6A1 ]	C183	C_1210	pbx_bidi[	7A4 ]										
		C129	C_1210	pbx_bidi[	11D1 ]	C184	C_1210	pbx_bidi[	7A4 ]										
		C130	C_0805	pbx_bidi[	11C6 ]	C185	C_1210	pbx_bidi[	7A4 ]										
		C131	C_0805	pbx_bidi[	11C2 ]	C186	C_0603	pbx_bidi[	7C2 ]										
		C132	C_0805	pbx_bidi[	11C3 ]	C187	C_1210	pbx_bidi[	10C4 ]										
		C133	C_0603	pbx_bidi[	6B4 ]	C188	CAP_TANTAL-C	pbx_bidi[	10C4 ]										
		C134	C_1210	pbx_bidi[	6C4 ]	C189	C_0603	pbx_bidi[	7A2 ]										
		C135	C_1210	pbx_bidi[	6C4 ]	C190	C_0603	pbx_bidi[	7A1 ]										
		C136	C_0603	pbx_bidi[	6C4 ]	C191	C_1210	pbx_bidi[	7B2 ]										
Changes					WARNING THIS WORK AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF OTIS ELEVATOR COMPANY (OTIS). IT IS DELIVERED TO OTHERS ON THE EXPRESS CONDITION THAT IT WILL BE USED ONLY FOR OR ON BEHALF OF OTIS ; THAT NEITHER IT OR NOR THE INFORMATION IT CONTAINS WILL BE REPRODUCED OR DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF OTIS ; AND THAT ON DEMAND IT AND ANY COPIES WILL BE PROMPTLY RETURNED TO OTIS.  UNPUBLISHED WORK (C) OTIS ELEVATOR COMPANY ALL RIGHTS RESERVED.					CIRCUIT DIAGRAM FOR  PBX_BIDI					DWG GAA26800MX OTIS ENGINEERING CENTER BERLIN, GERMANY				
DEVICE TYPE FOR DESIGN REFERENCE ONLY; REFER TO BOM FOR MANUFACTURING					 Otis A United Technologies Company					CAD GENERATED CADENCE-CONCEPT					DRAWN A. Tutat CHK M. Dehmlow APPD M. Dehmlow AUTH CA47A-000528				
															ORIGINAL DATE 2010-04-13 SHEETS SHEET 20				

A3		1		2		3		4		5		6		7		8					
A	C207	C_0603	pbx_bidi[	7C5	]	C262	C_0603	pbx_bidi[	5C3	]	A										
	C208	C_0603	pbx_bidi[	7D4	]	C263	C_0805	pbx_bidi[	13B3	]											
	C209	C_0805	pbx_bidi[	8C7	]	C264	C_0603	pbx_bidi[	13B4	]											
	C210	C_0805	pbx_bidi[	8C6	]	C265	C_0805	pbx_bidi[	13D6	]											
	C211	C_1210	pbx_bidi[	8D7	]	C266	C_0805	pbx_bidi[	13C2	]											
	C212	C_0805	pbx_bidi[	8D7	]	C267	C_0603	pbx_bidi[	5B6	]											
	C213	C_0805	pbx_bidi[	7A6	]	C268	C_0603	pbx_bidi[	5B7	]											
	C214	C_0805	pbx_bidi[	7A6	]	C269	C_0603	pbx_bidi[	5B7	]											
	C215	C_0805	pbx_bidi[	8B7	]	C270	C_0603	pbx_bidi[	5D6	]											
	C216	C_0603	pbx_bidi[	7D5	]	C271	C_0603	pbx_bidi[	5D7	]											
	C217	C_1210	pbx_bidi[	8B7	]	C272	C_0603	pbx_bidi[	5D7	]											
	C218	CAP_THT	pbx_bidi[	8B7	]	C273	C_0603	pbx_bidi[	14D6	]											
	C219	CAP_THT	pbx_bidi[	7A7	]	C274	C_0603	pbx_bidi[	14C5	]											
	C220	C_0603	pbx_bidi[	7A7	]	C275	C_0805	pbx_bidi[	14D3	]											
	B	C221	C_1210	pbx_bidi[	7A6	]	C276	C_0603	pbx_bidi[	5B7		]	B								
C222		C_1210	pbx_bidi[	7A7	]	C277	C_0603	pbx_bidi[	5B6	]											
C223		C_1210	pbx_bidi[	7A7	]	C278	C_0603	pbx_bidi[	14C2	]											
C224		C_1210	pbx_bidi[	7A7	]	C279	C_0603	pbx_bidi[	14D1	]											
C225		CAP_THT	pbx_bidi[	7A7	]	C280	C_0805	pbx_bidi[	12C5	]											
C226		C_0603	pbx_bidi[	7A7	]	C281	C_0603	pbx_bidi[	6C3	]											
C227		C_1210	pbx_bidi[	7A6	]	C282	C_0603	pbx_bidi[	11D2	]											
C228		C_1210	pbx_bidi[	7A7	]	C283	C_0805	pbx_bidi[	11C5	]											
C229		C_1210	pbx_bidi[	7A7	]	C284	C_0603	pbx_bidi[	6B6	]											
C230		C_1210	pbx_bidi[	7A7	]	C285	C_0603	pbx_bidi[	6B7	]											
C231		C_1210	pbx_bidi[	8D5	]	C286	C_0603	pbx_bidi[	6B7	]											
C232		C_1210	pbx_bidi[	8D5	]	C287	C_0603	pbx_bidi[	6D6	]											
C233		C_1210	pbx_bidi[	8B7	]	C288	C_0603	pbx_bidi[	6D7	]											
C234		CAP_THT	pbx_bidi[	8B8	]	C289	C_0603	pbx_bidi[	6D7	]											
C		C235	C_0805	pbx_bidi[	8C7	]	C290	C_0603	pbx_bidi[	10C1	]	C									
	C236	C_THT	pbx_bidi[	4B7	]	C291	C_0805	pbx_bidi[	10C1	]											
	C237	C_THT	pbx_bidi[	4B6	]	C292	C_0603	pbx_bidi[	6B7	]											
	C238	C_0805	pbx_bidi[	3D1	]	C293	C_0603	pbx_bidi[	6B6	]											
	C239	C_0805	pbx_bidi[	9A8	]	C294	C_0603	pbx_bidi[	10C5	]											
	C240	C_0805	pbx_bidi[	9A8	]	C295	C_0603	pbx_bidi[	10C4	]											
	C241	C_1210	pbx_bidi[	8A2	]	C296	C_0603	pbx_bidi[	10C5	]											
	C242	C_1210	pbx_bidi[	8A2	]	C297	C_0603	pbx_bidi[	7C3	]											
	C243	C_0805	pbx_bidi[	8A2	]	C298	C_0603	pbx_bidi[	7B6	]											
	C244	C_0805	pbx_bidi[	3D1	]	C299	C_0603	pbx_bidi[	7B7	]											
	C245	C_1210	pbx_bidi[	3A8	]	C300	C_0603	pbx_bidi[	7B7	]											
	C246	C_0603	pbx_bidi[	3A8	]	C301	C_0805	pbx_bidi[	8D3	]											
	C247	C_0603	pbx_bidi[	3A8	]	C302	C_0805	pbx_bidi[	8D2	]											
	C248	C_1210	pbx_bidi[	3A8	]	C303	C_0603	pbx_bidi[	7D6	]											
	C249	CAP_THT	pbx_bidi[	8A2	]	C304	C_0805	pbx_bidi[	8C7	]											
D	C250	C_1210	pbx_bidi[	9D3	]	C305	C_0805	pbx_bidi[	8D3	]	D										
	C251	C_1210	pbx_bidi[	9D4	]	C306	C_0805	pbx_bidi[	8D4	]											
	C252	C_1210	pbx_bidi[	9D5	]	C307	C_0805	pbx_bidi[	8D4	]											
	C253	C_1210	pbx_bidi[	9D5	]	C308	C_0603	pbx_bidi[	7D7	]											
	C254	C_0603	pbx_bidi[	3B5	]	C309	C_0805	pbx_bidi[	8D4	]											
	C255	C_0603	pbx_bidi[	3B5	]	C310	C_0603	pbx_bidi[	7D7	]											
	C256	C_0805	pbx_bidi[	8C1	]	C311	C_0805	pbx_bidi[	8B8	]											
	C257	C_0805	pbx_bidi[	3B7	]	C312	C_0603	pbx_bidi[	8D5	]											
	C258	C_0603	pbx_bidi[	3C5	]	C313	C_0805	pbx_bidi[	8B8	]											
	C259	C_0603	pbx_bidi[	3D6	]	C314	C_0603	pbx_bidi[	7B7	]											
	C260	C_0805	pbx_bidi[	13B2	]	C315	C_0603	pbx_bidi[	7B6	]											
	C261	C_0805	pbx_bidi[	13D5	]	C316	C_0805	pbx_bidi[	2B7	]											
	Changes					WARNING THIS WORK AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF OTIS ELEVATOR COMPANY (OTIS). IT IS DELIVERED TO OTHERS ON THE EXPRESS CONDITION THAT IT WILL BE USED ONLY FOR OR ON BEHALF OF OTIS ; THAT NEITHER IT OR NOR THE INFORMATION IT CONTAINS WILL BE REPRODUCED OR DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF OTIS ; AND THAT ON DEMAND IT AND ANY COPIES WILL BE PROMPTLY RETURNED TO OTIS.  UNPUBLISHED WORK (C) OTIS ELEVATOR COMPANY ALL RIGHTS RESERVED.						CIRCUIT DIAGRAM FOR  PBX_BIDI  CAD GENERATED CADENCE-CONCEPT					DWG GAA26800MX OTIS ENGINEERING CENTER BERLIN, GERMANY DRAWN A. Tutat ORIGINAL DATE CHK M. Dehmlow 2010-04-13 APPD M. Dehmlow SHEETS AUTH CA47A-000528 SHEET 21				
	DEVICE TYPE FOR DESIGN REFERENCE ONLY; REFER TO BOM FOR MANUFACTURING					 Otis A United Technologies Company															

A3		1		2		3		4		5		6		7		8			
A	C317	C_0805	pbx_bidi[	9B3	]	D49	US1G_SMD	pbx_bidi[	5B6	]	A								
	C318	C_0805	pbx_bidi[	9B3	]	D50	US1G_SMD	pbx_bidi[	5C6	]									
	C319	C_0805	pbx_bidi[	9A3	]	D51	US1G_SMD	pbx_bidi[	5C6	]									
	C320	C_0805	pbx_bidi[	9D3	]	D52	TMMBAT42_MELF	pbx_bidi[	5D4	]									
	CS1	LA200P_THT	pbx_bidi[	4C3	]	D53	US1G_SMD	pbx_bidi[	5D6	]									
	CS2	LA200P_THT	pbx_bidi[	4D3	]	D54	US1G_SMD	pbx_bidi[	5D6	]									
	CS3	LA200P_THT	pbx_bidi[	4D3	]	D55	US1G_SMD	pbx_bidi[	5D6	]									
	D1	BAT54S_SMD	pbx_bidi[	3D6	]	D56	TMMBAT42_MELF	pbx_bidi[	6B4	]									
	D2	BAT54S_SMD	pbx_bidi[	3D7	]	D57	US1G_SMD	pbx_bidi[	6B6	]									
	D3	BAT54S_SMD	pbx_bidi[	3D6	]	D58	US1G_SMD	pbx_bidi[	6C6	]									
B	D4	BAT54S_SMD	pbx_bidi[	3D4	]	D59	US1G_SMD	pbx_bidi[	6C6	]	B								
	D5	LCDA12_SOIC	pbx_bidi[	3D4	3D4	]	D60	TMMBAT42_MELF	pbx_bidi[	6D4		]							
	D6	10MQ040N_SMD	pbx_bidi[	5A4	]	D61	US1G_SMD	pbx_bidi[	6D6	]									
	D7	BAS19_SMD	pbx_bidi[	5A2	]	D62	US1G_SMD	pbx_bidi[	6D6	]									
	D8	BAT54S_SMD	pbx_bidi[	13B3	]	D63	US1G_SMD	pbx_bidi[	6D6	]									
	D9	LCDA12_SOIC	pbx_bidi[	13C2	13B2	]	D64	TMMBAT42_MELF	pbx_bidi[	7B4		]							
	D10	RGP02_20E_THT	pbx_bidi[	5B5	]	D65	US1G_SMD	pbx_bidi[	7B6	]									
	D11	US1G_SMD	pbx_bidi[	5B5	]	D66	US1G_SMD	pbx_bidi[	7C6	]									
	D12	US1G_SMD	pbx_bidi[	5D5	]	D67	US1G_SMD	pbx_bidi[	7C6	]									
	D13	BAS19_SMD	pbx_bidi[	5A6	]	D68	TMMBAT42_MELF	pbx_bidi[	7D4	]									
C	D14	BAS19_SMD	pbx_bidi[	5A6	]	D69	BYG22D_SMD	pbx_bidi[	8D7	]	C								
	D15	RGP02_20E_THT	pbx_bidi[	5D5	]	D70	US1G_SMD	pbx_bidi[	7D6	]									
	D16	BAV99_SMD	pbx_bidi[	5A6	]	D71	US1G_SMD	pbx_bidi[	7D6	]									
	D17	BAV99_SMD	pbx_bidi[	5A7	]	D72	US1G_SMD	pbx_bidi[	7D6	]									
	D18	10MQ040N_SMD	pbx_bidi[	6A4	]	D73	BYG22D	pbx_bidi[	8B5	]									
	D19	BAS19_SMD	pbx_bidi[	6A2	]	D74	BYG22D_SMD	pbx_bidi[	8B6	]									
	D20	RGP02_20E_THT	pbx_bidi[	6B5	]	D75	BYG22D_SMD	pbx_bidi[	8B5	]									
	D21	US1G_SMD	pbx_bidi[	6B5	]	D76	10MQ040N_SMD	pbx_bidi[	8A2	]									
	D22	US1G_SMD	pbx_bidi[	6D5	]	D77	D1F60_SMD	pbx_bidi[	9C5	]									
	D23	BAS19_SMD	pbx_bidi[	6A6	]	D78	D1F60_SMD	pbx_bidi[	2A8	]									
D	D24	BAS19_SMD	pbx_bidi[	6A6	]	DCN_ME_1	MP_THT	pbx_bidi[	13C2	]	D								
	D25	BAT54S_SMD	pbx_bidi[	10B3	]	DCP_ME_1	MP_THT	pbx_bidi[	13B2	]									
	D26	RGP02_20E_THT	pbx_bidi[	6D5	]	DC_ME	MP_THT	pbx_bidi[	13B3	]									
	D27	BAT54S_SMD	pbx_bidi[	10A3	]	DC_VRS	MP_THT	pbx_bidi[	11C3	]									
	D28	BAV99_SMD	pbx_bidi[	6A6	]	DC_VST	MP_THT	pbx_bidi[	12C3	]									
	D29	BAV99_SMD	pbx_bidi[	6A7	]	DGND	MP_THT	pbx_bidi[	2D1	]									
	D30	BAS16_SMD	pbx_bidi[	10C3	]	HL2	MP_THT	pbx_bidi[	3A4	]									
	D31	BAS16_SMD	pbx_bidi[	10C3	]	IR	MP_THT	pbx_bidi[	4C3	]									
	D32	10MQ040N_SMD	pbx_bidi[	7A4	]	IRU	MP_THT	pbx_bidi[	4D3	]									
	D33	BAS19_SMD	pbx_bidi[	7A2	]	IS	MP_THT	pbx_bidi[	4D3	]									
D34	RGP02_20E_THT	pbx_bidi[	7B5	]	ISV	MP_THT	pbx_bidi[	4D3	]										
D35	US1G_SMD	pbx_bidi[	7B5	]	IU	MP_THT	pbx_bidi[	4C3	]										
D36	US1G_SMD	pbx_bidi[	7D5	]	IV	MP_THT	pbx_bidi[	4D3	]										
D37	BAS19_SMD	pbx_bidi[	7A6	]	IW	MP_THT	pbx_bidi[	4D3	]										
D38	BAS19_SMD	pbx_bidi[	7A6	]	I_W	MP_THT	pbx_bidi[	4D3	]										
D39	RGP02_20E_THT	pbx_bidi[	7D5	]	JP1	JUMPER_0805	pbx_bidi[	2B3	]										
D40	BYG22D_SMD	pbx_bidi[	8B7	]	JP2	JUMPER_0805	pbx_bidi[	2B3	]										
D41	BYG22D_SMD	pbx_bidi[	8B7	]	JP3	JUMPER_0603	pbx_bidi[	5C3	]										
D42	10MQ040N_SMD	pbx_bidi[	8C5	]	JP4	JUMPER_0603	pbx_bidi[	5C3	]										
D43	BAV99_SMD	pbx_bidi[	7A6	]	JP5	JUMPER_0603	pbx_bidi[	14C7	]										
D44	BAV99_SMD	pbx_bidi[	7A7	]	JP6	JUMPER_0603	pbx_bidi[	14C7	]										
D45	LCDA12_SOIC	pbx_bidi[	9B2	9B2	]	JP7	JUMPER_0603	pbx_bidi[	5B8	]									
D46	LCDA12_SOIC	pbx_bidi[	9B2	9B2	]	JP8	JUMPER_0603	pbx_bidi[	5B8	]									
D47	LCDA12_SOIC	pbx_bidi[	9B2	9B2	]	JP9	JUMPER_0603	pbx_bidi[	6C3	]									
D48	TMMBAT42_MELF	pbx_bidi[	5B4	]	JP10	JUMPER_0603	pbx_bidi[	6C3	]										
Changes					WARNING THIS WORK AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF OTIS ELEVATOR COMPANY (OTIS). IT IS DELIVERED TO OTHERS ON THE EXPRESS CONDITION THAT IT WILL BE USED ONLY FOR OR ON BEHALF OF OTIS ; THAT NEITHER IT OR NOR THE INFORMATION IT CONTAINS WILL BE REPRODUCED OR DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF OTIS ; AND THAT ON DEMAND IT AND ANY COPIES WILL BE PROMPTLY RETURNED TO OTIS.  UNPUBLISHED WORK (C) OTIS ELEVATOR COMPANY ALL RIGHTS RESERVED.					CIRCUIT DIAGRAM FOR  PBX_BIDI					DWG GAA26800MX OTIS ENGINEERING CENTER BERLIN, GERMANY				
DEVICE TYPE FOR DESIGN REFERENCE ONLY; REFER TO BOM FOR MANUFACTURING					 Otis A United Technologies Company					CAD GENERATED CADENCE-CONCEPT					DRAWN A. Tutat ORIGINAL DATE 2010-04-13				
															CHK M. Dehmlow SHEETS				
															APPD M. Dehmlow SHEET 22				
															AUTH CA47A-000528				

OCB\_A3  
REV 2004-09-06




A3		1		2		3		4		5		6		7		8			
A	B	JP11	JUMPER_0603	pbx_bidi[	6B8 ]	Q23	IRFS23N15D_D2PAK	pbx_bidi[	8C6 ]	A	B								
		JP12	JUMPER_0603	pbx_bidi[	6B8 ]	Q24	BC817_SMD	pbx_bidi[	2A8 ]										
		JP13	JUMPER_0603	pbx_bidi[	7C3 ]	Q25	BC817_SMD	pbx_bidi[	3A7 ]			C	D						
		JP14	JUMPER_0603	pbx_bidi[	7C3 ]	Q26	ZXMN10A11G_SMD	pbx_bidi[	5A5 ]										
		JP15	JUMPER_0603	pbx_bidi[	7B8 ]	Q27	SEMIX453GB12E4S_THT	pbx_bidi[	4B2 ]										
		JP16	JUMPER_0603	pbx_bidi[	7B8 ]	Q28	BDP949_SMD	pbx_bidi[	5B7 ]										
		JP17	JUMPER_0603	pbx_bidi[	4D3 ]	Q29	BDP949_SMD	pbx_bidi[	5B6 ]										
		JP18	JUMPER_0603	pbx_bidi[	4D3 ]	Q30	ZXMN10A11G_SMD	pbx_bidi[	6A5 ]										
		JP19	JUMPER_0603	pbx_bidi[	4D3 ]	Q31	SEMIX453GB12E4S_THT	pbx_bidi[	4B5 ]										
		JP20	JUMPER_0603	pbx_bidi[	4D3 ]	Q32	BDP949_SMD	pbx_bidi[	6B7 ]										
		JP21	JUMPER_0603	pbx_bidi[	4D3 ]	Q33	BDP949_SMD	pbx_bidi[	6B6 ]										
		L1	L_WE_TPC	pbx_bidi[	3B7 ]	Q34	ZXMN10A11G_SMD	pbx_bidi[	7A5 ]										
		L2	L_SMD	pbx_bidi[	5A2 ]	Q35	SEMIX453GB12E4S_THT	pbx_bidi[	4B7 ]										
		L3	L_SMD	pbx_bidi[	6A2 ]	Q36	BDP949_SMD	pbx_bidi[	7B7 ]										
		L4	L_SMD	pbx_bidi[	7A2 ]	Q37	BDP949_SMD	pbx_bidi[	7B6 ]										
		LED1	LED_RED_SMD	pbx_bidi[	9D5 ]	R1	R_0805	pbx_bidi[	3B6 ]										
		NP1	NP_03_THT	pbx_bidi[	4C1 ]	R2	R_0805	pbx_bidi[	3B8 ]										
		NP2	NP_03_THT	pbx_bidi[	4A1 ]	R3	R_THT	pbx_bidi[	4A8 ]										
		NP3	NP_02_THT	pbx_bidi[	4B3 ]	R4	R_0805	pbx_bidi[	3C8 ]										
		NP4	NP_02_THT	pbx_bidi[	4B6 ]	R5	R_THT	pbx_bidi[	4A8 ]										
NP5	NP_02_THT	pbx_bidi[	4A6 ]	R6	R_0603	pbx_bidi[	3B7 ]												
NP6	NP_02_THT	pbx_bidi[	4C6 ]	R7	R_0805	pbx_bidi[	2A2 ]												
NTC1	MP_THT	pbx_bidi[	14B1 ]	R8	R_0805	pbx_bidi[	2A1 ]												
NTC2	MP_THT	pbx_bidi[	14B1 ]	R9	R_0603	pbx_bidi[	3D5 ]												
NTC_DS	MP_THT	pbx_bidi[	14C3 ]	R10	RP4_CAY0603	pbx_bidi[	2C7 ]												
P1	CON2_WAGO_VP5MM	pbx_bidi[	8C1 ]	R11	RP4_CAY0603	pbx_bidi[	2C3 ]												
P2	CON5_WAGO721_265	pbx_bidi[	2C5 ]	R12	R_0805	pbx_bidi[	2C3 ]												
P3	CON40_PCB_HEADER	pbx_bidi[	2C1 ]	R13	R_0603	pbx_bidi[	3D7 ]												
P4	CON2_WAGO721_262	pbx_bidi[	8A1 ]	R14	R_0805	pbx_bidi[	3D7 ]												
P5	CON50_PCB_HEADER-LON	pbx_bidi[	3B1 ]	R15	R_0805	pbx_bidi[	3D7 ]												
C	D	G-PIN				R16	R_0603	pbx_bidi[	3D5 ]	C	D								
		P6	CON6_WAGO733_336	pbx_bidi[	3D3 ]	R17	R_0603	pbx_bidi[	3D5 ]										
		PTC_ADC	MP_THT	pbx_bidi[	3D6 ]	R18	R_0603	pbx_bidi[	3D5 ]										
		Q1	BC817_SMD	pbx_bidi[	2C7 ]	R19	R_THT	pbx_bidi[	4A8 ]										
		Q2	BC817_SMD	pbx_bidi[	2B6 ]	R20	R_0603	pbx_bidi[	5D1 ]										
		Q3	BC847C_SMD	pbx_bidi[	5B2 ]	R21	R_0603	pbx_bidi[	5D1 ]										
		Q4	BC817	pbx_bidi[	13B4 ]	R22	R_0603	pbx_bidi[	5D1 ]										
		Q5	MJD45H11_SMD	pbx_bidi[	5B5 ]	R23	R_0805	pbx_bidi[	2A1 ]										
		Q6	MJD44H11_SMD	pbx_bidi[	5B5 ]	R24	R_0603	pbx_bidi[	2B2 ]										
		Q7	MJD45H11_SMD	pbx_bidi[	5D5 ]	R25	R_0805	pbx_bidi[	2A5 ]										
		Q8	MJD44H11_SMD	pbx_bidi[	5D5 ]	R26	R_0805	pbx_bidi[	2B6 ]										
		Q9	BC817	pbx_bidi[	14B4 ]	R27	R_0805	pbx_bidi[	2B6 ]										
		Q10	BC817	pbx_bidi[	12A4 ]	R28	R_MINI-MELF	pbx_bidi[	2A6 ]										
		Q11	BC847C_SMD	pbx_bidi[	6B2 ]	R29	R_MINI-MELF	pbx_bidi[	2A6 ]										
		Q12	BC817	pbx_bidi[	11A4 ]	R30	R_0805	pbx_bidi[	2C6 ]										
		Q13	MJD45H11_SMD	pbx_bidi[	6B5 ]	R31	R_0603	pbx_bidi[	2B2 ]										
		Q14	MJD44H11_SMD	pbx_bidi[	6B5 ]	R32	R_0805	pbx_bidi[	2A1 ]										
		Q15	MJD45H11_SMD	pbx_bidi[	6D5 ]	R33	R_0603	pbx_bidi[	5B1 ]										
		Q16	MJD44H11_SMD	pbx_bidi[	6D5 ]	R34	R_0603	pbx_bidi[	5B1 ]										
		Q17	IRFR9120_SMD	pbx_bidi[	10C3 ]	R35	R_0603	pbx_bidi[	5B1 ]										
Q18	BC847C_SMD	pbx_bidi[	7B2 ]	R36	R_MELF	pbx_bidi[	5A4 ]												
Q19	MJD45H11_SMD	pbx_bidi[	7B5 ]	R37	R_0603	pbx_bidi[	5C1 ]												
Q20	MJD44H11_SMD	pbx_bidi[	7B5 ]	R38	R_0603	pbx_bidi[	5C1 ]												
Q21	MJD45H11_SMD	pbx_bidi[	7D5 ]	R39	R_0603	pbx_bidi[	5C1 ]												
Q22	MJD44H11_SMD	pbx_bidi[	7D5 ]	R40	R_0805	pbx_bidi[	5A2 ]												
Changes					WARNING THIS WORK AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF OTIS ELEVATOR COMPANY (OTIS). IT IS DELIVERED TO OTHERS ON THE EXPRESS CONDITION THAT IT WILL BE USED ONLY FOR OR ON BEHALF OF OTIS ; THAT NEITHER IT OR NOR THE INFORMATION IT CONTAINS WILL BE REPRODUCED OR DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF OTIS ; AND THAT ON DEMAND IT AND ANY COPIES WILL BE PROMPTLY RETURNED TO OTIS.  UNPUBLISHED WORK (C) OTIS ELEVATOR COMPANY ALL RIGHTS RESERVED.					CIRCUIT DIAGRAM FOR  PBX_BIDI					DWG GAA26800MX OTIS ENGINEERING CENTER BERLIN, GERMANY				
DEVICE TYPE FOR DESIGN REFERENCE ONLY; REFER TO BOM FOR MANUFACTURING					 Otis A United Technologies Company					CAD GENERATED CADENCE-CONCEPT					DRAWN A. Tutat ORIGINAL DATE 2010-04-13				
															CHK M. Dehmlow				
															APPD M. Dehmlow SHEETS				
															AUTH CA47A-000528 SHEET 23				

QECB\_A3  
REV 2004-09-06


A3		1	2	3	4	5	6	7	8				
A	B	R41	R_0805	pbx_bidi[	5A2 ]	R96	R_0805	pbx_bidi[	12C7 ]	A			
		R42	R_THT	pbx_bidi[	13B2 ]	R97	R_0805	pbx_bidi[	12C7 ]				
		R43	R_THT	pbx_bidi[	13B2 ]	R98	R_MINI-MELF	pbx_bidi[	12C7 ]				
		R44	R_THT	pbx_bidi[	13B2 ]	R99	R_MINI-MELF	pbx_bidi[	12A4 ]				
		R45	R_0805	pbx_bidi[	13C5 ]	R100	R_MINI-MELF	pbx_bidi[	12B4 ]				
		R46	R_0805	pbx_bidi[	13D5 ]	R101	R_0805	pbx_bidi[	12B3 ]				
		R47	R_0805	pbx_bidi[	13C3 ]	R102	R_MELF	pbx_bidi[	6A4 ]				
		R48	R_0805	pbx_bidi[	13C5 ]	R103	R_0603	pbx_bidi[	6C1 ]				
		R49	R_0805	pbx_bidi[	13C3 ]	R104	R_0603	pbx_bidi[	6C1 ]				
		R50	R_THT	pbx_bidi[	13C2 ]	R105	R_0603	pbx_bidi[	6C1 ]				
		R51	R_0603	pbx_bidi[	5C2 ]	R106	R_0805	pbx_bidi[	6A2 ]				
		R52	R_0805	pbx_bidi[	5B2 ]	R107	R_0805	pbx_bidi[	6A2 ]				
		R53	R_THT	pbx_bidi[	13C2 ]	R108	R_0805	pbx_bidi[	11C6 ]				
		R54	R_THT	pbx_bidi[	13C2 ]	R109	R_0805	pbx_bidi[	9B5 ]				
		R55	R_0805	pbx_bidi[	5A5 ]	R110	R_0805	pbx_bidi[	12C5 ]				
		R56	R_MELF	pbx_bidi[	5C4 ]	R111	R_0603	pbx_bidi[	6C2 ]				
		R57	R_MINI-MELF	pbx_bidi[	5A5 ]	R112	R_0805	pbx_bidi[	6B2 ]				
		R58	R_MINI-MELF	pbx_bidi[	5A5 ]	R113	R_0805	pbx_bidi[	6A5 ]				
		B	C	R59	R_MINI-MELF	pbx_bidi[	13C7 ]	R114	R_MELF		pbx_bidi[	6C4 ]	B
				R60	R_MINI-MELF	pbx_bidi[	13B5 ]	R115	R_MINI-MELF		pbx_bidi[	6A5 ]	
R61	R_MINI-MELF			pbx_bidi[	13C4 ]	R116	R_MINI-MELF	pbx_bidi[	6A5 ]				
R62	R_MINI-MELF			pbx_bidi[	5B5 ]	R117	R_0805	pbx_bidi[	11C7 ]				
R63	R_MELF			pbx_bidi[	5B5 ]	R118	R_0805	pbx_bidi[	11C7 ]				
R64	R_MELF			pbx_bidi[	5B5 ]	R119	R_MINI-MELF	pbx_bidi[	11C7 ]				
R65	R_MELF			pbx_bidi[	5B5 ]	R120	R_MINI-MELF	pbx_bidi[	11A4 ]				
R66	R_MELF			pbx_bidi[	5B5 ]	R121	R_MINI-MELF	pbx_bidi[	11B4 ]				
R67	R_MELF			pbx_bidi[	5B5 ]	R122	R_MINI-MELF	pbx_bidi[	6B5 ]				
R68	R_MELF			pbx_bidi[	5D4 ]	R123	R_MELF	pbx_bidi[	6B5 ]				
R69	R_0603			pbx_bidi[	5B4 ]	R124	R_MELF	pbx_bidi[	6B5 ]				
R70	R_MELF			pbx_bidi[	5B5 ]	R125	R_MELF	pbx_bidi[	6B5 ]				
R71	R_MINI-MELF			pbx_bidi[	5D5 ]	R126	R_MELF	pbx_bidi[	6B5 ]				
R72	R_MINI-MELF			pbx_bidi[	5A6 ]	R127	R_MELF	pbx_bidi[	6B5 ]				
R73	R_MINI-MELF			pbx_bidi[	5A6 ]	R128	R_MELF	pbx_bidi[	6D4 ]				
R74	R_MINI-MELF			pbx_bidi[	14C7 ]	R129	R_0603	pbx_bidi[	6B4 ]				
R75	R_MINI-MELF			pbx_bidi[	14A4 ]	R130	R_MELF	pbx_bidi[	6B5 ]				
R76	R_MINI-MELF			pbx_bidi[	14B4 ]	R131	R_MINI-MELF	pbx_bidi[	6D5 ]				
C	D			R77	R_0603	pbx_bidi[	5D4 ]	R132	R_MINI-MELF	pbx_bidi[	6A6 ]	C	
				R78	R_MELF	pbx_bidi[	5D5 ]	R133	R_MINI-MELF	pbx_bidi[	6A6 ]		
		R79	R_0805	pbx_bidi[	14D6 ]	R134	R_0603	pbx_bidi[	6D4 ]				
		R80	R_0805	pbx_bidi[	14C5 ]	R135	R_MELF	pbx_bidi[	6D5 ]				
		R81	R_0603	pbx_bidi[	14C3 ]	R136	R_0805	pbx_bidi[	10C2 ]				
		R82	R_0805	pbx_bidi[	14B3 ]	R137	R_0805	pbx_bidi[	10A7 ]				
		R83	R_0805	pbx_bidi[	14C5 ]	R138	R_0805	pbx_bidi[	10C2 ]				
		R84	R_0603	pbx_bidi[	14C2 ]	R139	R_0805	pbx_bidi[	10C2 ]				
		R85	R_MINI-MELF	pbx_bidi[	5A6 ]	R140	R_0805	pbx_bidi[	10B7 ]				
		R86	R_MINI-MELF	pbx_bidi[	5A7 ]	R141	R_MINI-MELF	pbx_bidi[	6A6 ]				
		R87	R_0805	pbx_bidi[	14B2 ]	R142	R_MINI-MELF	pbx_bidi[	6A7 ]				
		R88	R_0805	pbx_bidi[	14D2 ]	R143	R_0805	pbx_bidi[	10C4 ]				
		R89	R_0603	pbx_bidi[	6D1 ]	R144	R_0603	pbx_bidi[	7D1 ]				
		R90	R_0603	pbx_bidi[	6D1 ]	R145	R_0603	pbx_bidi[	7D1 ]				
		R91	R_0603	pbx_bidi[	6D1 ]	R146	R_0603	pbx_bidi[	7D1 ]				
		R92	R_0805	pbx_bidi[	9B5 ]	R147	R_0603	pbx_bidi[	7B1 ]				
		R93	R_0603	pbx_bidi[	6B1 ]	R148	R_0603	pbx_bidi[	7B1 ]				
		R94	R_0603	pbx_bidi[	6B1 ]	R149	R_0603	pbx_bidi[	7B1 ]				
		R95	R_0603	pbx_bidi[	6B1 ]	R150	R_MELF	pbx_bidi[	7A4 ]				
		Changes					WARNING THIS WORK AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF OTIS ELEVATOR COMPANY (OTIS). IT IS DELIVERED TO OTHERS ON THE EXPRESS CONDITION THAT IT WILL BE USED ONLY FOR OR ON BEHALF OF OTIS ; THAT NEITHER IT OR NOR THE INFORMATION IT CONTAINS WILL BE REPRODUCED OR DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF OTIS ; AND THAT ON DEMAND IT AND ANY COPIES WILL BE PROMPTLY RETURNED TO OTIS.  UNPUBLISHED WORK (C) OTIS ELEVATOR COMPANY ALL RIGHTS RESERVED.			CIRCUIT DIAGRAM FOR  PBX_BIDI   CAD GENERATED CADENCE-CONCEPT			DWG GAA26800MX OTIS ENGINEERING CENTER BERLIN, GERMANY DRAWN A. Tutat ORIGINAL DATE CHK M. Dehmlow 2010-04-13 APPD M. Dehmlow SHEETS AUTH CA47A-000528 SHEET 24
DEVICE TYPE FOR DESIGN REFERENCE ONLY; REFER TO BOM FOR MANUFACTURING					 Otis A United Technologies Company								

OCB\_A3  
REV 2004-09-06

A3		1	2	3	4	5	6	7	8		
A	R151	R_0603	pbx_bidi[	7C1	]	R206	R_0805	pbx_bidi[	3D7	]	
	R152	R_0603	pbx_bidi[	7C1	]	R207	R_0805	pbx_bidi[	3D7	]	
	R153	R_0603	pbx_bidi[	7C1	]	R208	R_0603	pbx_bidi[	3D7	]	
	R154	R_MINI-MELF	pbx_bidi[	10C4	]	R209	R_0603	pbx_bidi[	3C5	]	
	R155	R_0805	pbx_bidi[	7A2	]	R210	R_0603	pbx_bidi[	3C8	]	
	R156	R_0805	pbx_bidi[	7A2	]	R211	R_0603	pbx_bidi[	3C8	]	
	R157	R_0603	pbx_bidi[	7C2	]	R212	R_0805	pbx_bidi[	3D5	]	
	R158	R_0805	pbx_bidi[	7B2	]	R213	R_0805	pbx_bidi[	3D5	]	
	R159	R_0805	pbx_bidi[	7A5	]	R214	R_0805	pbx_bidi[	3D5	]	
	R160	R_MELF	pbx_bidi[	7C4	]	R215	R_0603	pbx_bidi[	3C6	]	
	R161	R_MINI-MELF	pbx_bidi[	7A5	]	R216	R_MELF	pbx_bidi[	8B2	]	
	R162	R_MINI-MELF	pbx_bidi[	7A5	]	R217	R_MELF	pbx_bidi[	8B2	]	
	R163	R_MINI-MELF	pbx_bidi[	7B5	]	R218	R_MELF	pbx_bidi[	5A3	]	
	R164	R_MELF	pbx_bidi[	7B5	]	R219	R_MELF	pbx_bidi[	5A3	]	
	R165	R_MELF	pbx_bidi[	7B5	]	R220	R_MELF	pbx_bidi[	5A3	]	
	R166	R_MELF	pbx_bidi[	7B5	]	R221	R_0805	pbx_bidi[	5A2	]	
	R167	R_MELF	pbx_bidi[	7B5	]	R222	R_0603	pbx_bidi[	13B3	]	
	R168	R_MELF	pbx_bidi[	7B5	]	R223	R_0805	pbx_bidi[	13C4	]	
	R169	R_MELF	pbx_bidi[	7D4	]	R224	R_0603	pbx_bidi[	13C3	]	
	B	R170	R_0603	pbx_bidi[	7B4	]	R225	R_0805	pbx_bidi[	13C7	]
R171		R_MELF	pbx_bidi[	7B5	]	R226	R_0805	pbx_bidi[	13C6	]	
R172		R_0805	pbx_bidi[	8D3	]	R227	R_0805	pbx_bidi[	5B2	]	
R173		R_0805	pbx_bidi[	8D3	]	R228	R_0805	pbx_bidi[	5A4	]	
R174		R_0805	pbx_bidi[	8C6	]	R229	R_0805	pbx_bidi[	5A2	]	
R175		R_0805	pbx_bidi[	8C7	]	R230	R_MINI-MELF	pbx_bidi[	5A5	]	
R176		R_MINI-MELF	pbx_bidi[	7D5	]	R231	R_0805	pbx_bidi[	13C2	]	
R177		R_MINI-MELF	pbx_bidi[	7A6	]	R232	R_0805	pbx_bidi[	13B2	]	
R178		R_MINI-MELF	pbx_bidi[	7A6	]	R233	R_0805	pbx_bidi[	13C4	]	
R179		R_0603	pbx_bidi[	7D4	]	R234	R_0603	pbx_bidi[	13C3	]	
R180		R_MINI-MELF	pbx_bidi[	8B7	]	R235	R_0805	pbx_bidi[	13C5	]	
R181		R_MELF	pbx_bidi[	7D5	]	R236	R_0805	pbx_bidi[	13C6	]	
R182		R_MINI-MELF	pbx_bidi[	8C7	]	R237	R_0805	pbx_bidi[	13D6	]	
R183		R_MINI-MELF	pbx_bidi[	8C5	]	R238	R_0603	pbx_bidi[	5C2	]	
R184		R_MINI-MELF	pbx_bidi[	8C5	]	R239	R_0805	pbx_bidi[	13B4	]	
R185		R_MINI-MELF	pbx_bidi[	7A6	]	R240	R_0805	pbx_bidi[	13B4	]	
R186		R_MINI-MELF	pbx_bidi[	7A7	]	R241	R_0603	pbx_bidi[	13C3	]	
R187		R_0603	pbx_bidi[	3D1	]	R242	R_0805	pbx_bidi[	13C3	]	
R188		R_0805	pbx_bidi[	3C1	]	R243	R_0805	pbx_bidi[	13C5	]	
C		R189	R_0805	pbx_bidi[	2A7	]	R244	R_0805	pbx_bidi[	13C5	]
	R190	RP4_CAY0603	pbx_bidi[	3A7	]	R245	R_MINI-MELF	pbx_bidi[	5B4	]	
	R191	R_MINI-MELF	pbx_bidi[	2D6	]	R246	R_0805	pbx_bidi[	5B4	]	
	R192	R_MINI-MELF	pbx_bidi[	2D6	]	R247	R_0805	pbx_bidi[	13B4	]	
	R193	R_MINI-MELF	pbx_bidi[	2D6	]	R248	R_MINI-MELF	pbx_bidi[	13C4	]	
	R194	R_MINI-MELF	pbx_bidi[	9C5	]	R249	R_MINI-MELF	pbx_bidi[	13B5	]	
	R195	R_0805	pbx_bidi[	3C3	]	R250	R_0805	pbx_bidi[	13B5	]	
	R196	R_0805	pbx_bidi[	3A6	]	R251	R_0603	pbx_bidi[	5B6	]	
	R197	R_0603	pbx_bidi[	3D1	]	R252	R_0603	pbx_bidi[	5B7	]	
	R198	R_0805	pbx_bidi[	3D1	]	R253	R_0603	pbx_bidi[	5B7	]	
	R199	R_THT	pbx_bidi[	9D4	]	R254	R_MELF	pbx_bidi[	5B6	]	
	R200	R_THT	pbx_bidi[	9D4	]	R255	R_MELF	pbx_bidi[	5C6	]	
	R201	R_THT	pbx_bidi[	9D3	]	R256	R_MELF	pbx_bidi[	5C6	]	
	R202	R_THT	pbx_bidi[	9D5	]	R257	R_MINI-MELF	pbx_bidi[	5D4	]	
	R203	R_THT	pbx_bidi[	9D4	]	R258	R_0805	pbx_bidi[	5D4	]	
	R204	R_THT	pbx_bidi[	9D4	]	R259	R_0603	pbx_bidi[	5D6	]	
	R205	R_0603	pbx_bidi[	3D6	]	R260	R_MELF	pbx_bidi[	5D6	]	
	D										
Changes					WARNING THIS WORK AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF OTIS ELEVATOR COMPANY (OTIS). IT IS DELIVERED TO OTHERS ON THE EXPRESS CONDITION THAT IT WILL BE USED ONLY FOR OR ON BEHALF OF OTIS ; THAT NEITHER IT OR NOR THE INFORMATION IT CONTAINS WILL BE REPRODUCED OR DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF OTIS ; AND THAT ON DEMAND IT AND ANY COPIES WILL BE PROMPTLY RETURNED TO OTIS.  UNPUBLISHED WORK (C) OTIS ELEVATOR COMPANY ALL RIGHTS RESERVED.		CIRCUIT DIAGRAM FOR  PBX_BIDI   CAD GENERATED CADENCE-CONCEPT		DWG GAA26800MX OTIS ENGINEERING CENTER BERLIN, GERMANY DRAWN A. Tutat ORIGINAL DATE 2010-04-13 CHK M. Dehmlow APPD M. Dehmlow SHEETS AUTH CA47A-000528 SHEET 25		
DEVICE TYPE FOR DESIGN REFERENCE ONLY; REFER TO BOM FOR MANUFACTURING					 Otis A United Technologies Company						

A3		1	2	3	4	5	6	7	8										
A	A	R261	R_MELF	pbx_bidi[	5D6 ]	R316	R_0805	pbx_bidi[	12C5 ]	A									
		R262	R_MELF	pbx_bidi[	5D6 ]	R317	R_0805	pbx_bidi[	12C6 ]										
		R263	R_0603	pbx_bidi[	5D7 ]	R318	R_0805	pbx_bidi[	6A2 ]										
		R264	R_0603	pbx_bidi[	5D7 ]	R319	R_0805	pbx_bidi[	6B2 ]										
		R265	R_0805	pbx_bidi[	14B5 ]	R320	R_0805	pbx_bidi[	9A4 ]										
		R266	R_0805	pbx_bidi[	14A4 ]	R321	R_0805	pbx_bidi[	11C2 ]										
		R267	R_MINI-MELF	pbx_bidi[	14C4 ]	R322	R_0805	pbx_bidi[	9B4 ]										
		R268	R_MINI-MELF	pbx_bidi[	14A4 ]	R323	R_0805	pbx_bidi[	9B5 ]										
		R269	R_MELF	pbx_bidi[	5D5 ]	R324	R_0805	pbx_bidi[	11C2 ]										
		R270	R_MELF	pbx_bidi[	5D5 ]	R325	R_0805	pbx_bidi[	11C5 ]										
		R271	R_MELF	pbx_bidi[	5D5 ]	R326	R_0805	pbx_bidi[	12C5 ]										
		R272	R_MELF	pbx_bidi[	5D5 ]	R327	R_0805	pbx_bidi[	12B6 ]										
		R273	R_MELF	pbx_bidi[	5D5 ]	R328	R_0805	pbx_bidi[	12C6 ]										
		R274	R_0805	pbx_bidi[	14B5 ]	R329	R_0805	pbx_bidi[	6A4 ]										
		R275	R_0805	pbx_bidi[	14C5 ]	R330	R_0805	pbx_bidi[	6A2 ]										
		R276	R_0805	pbx_bidi[	14B4 ]	R331	R_MINI-MELF	pbx_bidi[	6A5 ]										
		R277	R_MELF	pbx_bidi[	4D2 ]	R332	R_0603	pbx_bidi[	6C2 ]										
		R278	R_MELF	pbx_bidi[	4C2 ]	R333	R_0805	pbx_bidi[	11C3 ]										
		B	B	R279	R_0805	pbx_bidi[	14C3 ]	R334	R_0805		pbx_bidi[	11C2 ]	B						
				R280	R_0805	pbx_bidi[	14C5 ]	R335	R_0805		pbx_bidi[	11B3 ]							
R281	R_0805			pbx_bidi[	14D6 ]	R336	R_0805	pbx_bidi[	11C2 ]										
R282	R_0805			pbx_bidi[	14D6 ]	R337	R_0805	pbx_bidi[	11C6 ]										
R283	R_0805			pbx_bidi[	14B4 ]	R338	R_0805	pbx_bidi[	11C5 ]										
R284	R_0805			pbx_bidi[	14B2 ]	R339	R_0805	pbx_bidi[	11B6 ]										
R285	R_0805			pbx_bidi[	14B2 ]	R340	R_0805	pbx_bidi[	12C6 ]										
R286	R_0805			pbx_bidi[	14D3 ]	R341	R_MINI-MELF	pbx_bidi[	6B4 ]										
R287	R_0805			pbx_bidi[	14D3 ]	R342	R_0805	pbx_bidi[	6B4 ]										
R288	R_0805			pbx_bidi[	5B7 ]	R343	R_0805	pbx_bidi[	11A3 ]										
R289	R_0805			pbx_bidi[	5B7 ]	R344	R_0805	pbx_bidi[	11B4 ]										
R290	R_0805			pbx_bidi[	5B6 ]	R345	R_0805	pbx_bidi[	11B3 ]										
R291	R_0805			pbx_bidi[	5B6 ]	R346	R_0805	pbx_bidi[	11B5 ]										
R292	R_0805			pbx_bidi[	14B2 ]	R347	R_0805	pbx_bidi[	11B5 ]										
R293	R_0805			pbx_bidi[	14D2 ]	R348	R_0805	pbx_bidi[	11C6 ]										
R294	R_0805			pbx_bidi[	14D5 ]	R349	R_0805	pbx_bidi[	11A4 ]										
R295	R_0805			pbx_bidi[	14D5 ]	R350	R_MINI-MELF	pbx_bidi[	11B4 ]										
R296	R_0805			pbx_bidi[	9B4 ]	R351	R_MINI-MELF	pbx_bidi[	11A4 ]										
C	C			R297	R_0805	pbx_bidi[	12C2 ]	R352	R_0603	pbx_bidi[	6B6 ]	C							
				R298	R_0805	pbx_bidi[	9B4 ]	R353	R_0603	pbx_bidi[	6B7 ]								
		R299	R_0805	pbx_bidi[	9B4 ]	R354	R_0603	pbx_bidi[	6B7 ]										
		R300	R_0805	pbx_bidi[	12A3 ]	R355	R_0805	pbx_bidi[	11B5 ]										
		R301	R_0805	pbx_bidi[	12B5 ]	R356	R_0805	pbx_bidi[	11B5 ]										
		R302	R_0805	pbx_bidi[	12B5 ]	R357	R_0805	pbx_bidi[	11C5 ]										
		R303	R_0805	pbx_bidi[	12C7 ]	R358	R_0805	pbx_bidi[	11C7 ]										
		R304	R_MELF	pbx_bidi[	6A3 ]	R359	R_MELF	pbx_bidi[	6B6 ]										
		R305	R_MELF	pbx_bidi[	6A3 ]	R360	R_MELF	pbx_bidi[	6C6 ]										
		R306	R_MELF	pbx_bidi[	6A3 ]	R361	R_MELF	pbx_bidi[	6C6 ]										
		R307	R_0805	pbx_bidi[	12A4 ]	R362	R_MINI-MELF	pbx_bidi[	6D4 ]										
		R308	R_MINI-MELF	pbx_bidi[	12B4 ]	R363	R_0805	pbx_bidi[	6D4 ]										
		R309	R_MINI-MELF	pbx_bidi[	12A4 ]	R364	R_0603	pbx_bidi[	6D6 ]										
		R310	R_0805	pbx_bidi[	12C3 ]	R365	R_MELF	pbx_bidi[	6D6 ]										
		R311	R_0805	pbx_bidi[	12C2 ]	R366	R_MELF	pbx_bidi[	6D6 ]										
		R312	R_0805	pbx_bidi[	12B3 ]	R367	R_MELF	pbx_bidi[	6D6 ]										
		R313	R_0805	pbx_bidi[	12B4 ]	R368	R_0603	pbx_bidi[	6D7 ]										
		R314	R_0805	pbx_bidi[	12B5 ]	R369	R_0603	pbx_bidi[	6D7 ]										
		R315	R_0805	pbx_bidi[	12B5 ]	R370	R_MINI-MELF	pbx_bidi[	10B2 ]										
		D	D										D						
Changes					WARNING					CIRCUIT DIAGRAM FOR		DWG GAA26800MX							
					THIS WORK AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF OTIS ELEVATOR COMPANY (OTIS). IT IS DELIVERED TO OTHERS ON THE EXPRESS CONDITION THAT IT WILL BE USED ONLY FOR OR ON BEHALF OF OTIS ; THAT NEITHER IT OR NOR THE INFORMATION IT CONTAINS WILL BE REPRODUCED OR DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF OTIS ; AND THAT ON DEMAND IT AND ANY COPIES WILL BE PROMPTLY RETURNED TO OTIS.					PBX_BIDI		OTIS ENGINEERING CENTER BERLIN, GERMANY							
					UNPUBLISHED WORK (C) OTIS ELEVATOR COMPANY ALL RIGHTS RESERVED.							DRAWN A. Tutat		ORIGINAL DATE					
DEVICE TYPE FOR DESIGN REFERENCE ONLY; REFER TO BOM FOR MANUFACTURING					 Otis A United Technologies Company							CHK M. Dehmlow		2010-04-13					
											CAD GENERATED CADENCE-CONCEPT						APPD M. Dehmlow		SHEETS
																	AUTH CA47A-000528		SHEET 26


OCB\_A3  
REV 2004-09-06

A3		1		2		3		4		5		6		7		8			
A	R371	R_0805	pbx_bidi[	10B2	]	R426	R_MELF	pbx_bidi[	7D6	]	A								
	R372	R_0805	pbx_bidi[	10B2	]	R427	R_0603	pbx_bidi[	7D7	]									
	R373	R_MELF	pbx_bidi[	6D5	]	R428	R_0805	pbx_bidi[	8D4	]		B							
	R374	R_MELF	pbx_bidi[	6D5	]	R429	R_0805	pbx_bidi[	8C4	]									
	R375	R_MELF	pbx_bidi[	6D5	]	R430	R_0603	pbx_bidi[	7D7	]									
	R376	R_MELF	pbx_bidi[	6D5	]	R431	R_MELF	pbx_bidi[	7D5	]									
	R377	R_MELF	pbx_bidi[	6D5	]	R432	R_MELF	pbx_bidi[	7D5	]									
	R378	R_0805	pbx_bidi[	10A3	]	R433	R_MELF	pbx_bidi[	7D5	]									
	R379	R_0805	pbx_bidi[	10A4	]	R434	R_MELF	pbx_bidi[	7D5	]									
	R380	R_0805	pbx_bidi[	10B4	]	R435	R_MELF	pbx_bidi[	7D5	]									
	R381	R_0805	pbx_bidi[	10A3	]	R436	R_0805	pbx_bidi[	8D6	]									
	R382	R_0805	pbx_bidi[	10C1	]	R437	R_MELF	pbx_bidi[	8D5	]									
	R383	R_0805	pbx_bidi[	10C3	]	R438	R_MELF	pbx_bidi[	8D6	]									
	R384	R_0805	pbx_bidi[	10C3	]	R439	R_MELF	pbx_bidi[	8D6	]									
	R385	R_0805	pbx_bidi[	10B7	]	R440	R_MELF	pbx_bidi[	8D5	]									
	R386	R_0805	pbx_bidi[	10A7	]	R441	R_MELF	pbx_bidi[	8A2	]									
	R387	R_0805	pbx_bidi[	10C1	]	R442	R_MELF	pbx_bidi[	8B2	]									
	R388	R_0805	pbx_bidi[	6B7	]	R443	R_0805	pbx_bidi[	7B7	]									
	R389	R_0805	pbx_bidi[	6B7	]	R444	R_0805	pbx_bidi[	7B7	]									
	B	R390	R_0805	pbx_bidi[	6B6	]	R445	R_0805	pbx_bidi[	7B6			]	B					
R391		R_0805	pbx_bidi[	6B6	]	R446	R_0805	pbx_bidi[	7B6	]									
R392		R_MELF	pbx_bidi[	4D2	]	R447	R_MELF	pbx_bidi[	8D2	]									
R393		R_0805	pbx_bidi[	10C3	]	R448	R_MELF	pbx_bidi[	8A2	]									
R394		R_MELF	pbx_bidi[	7A3	]	R449	R_MELF	pbx_bidi[	8A2	]									
R395		R_MELF	pbx_bidi[	7A3	]	R450	R_0805	pbx_bidi[	2A8	]									
R396		R_MELF	pbx_bidi[	7A3	]	R451	R_0805	pbx_bidi[	2A7	]									
R397		R_0805	pbx_bidi[	7A2	]	R452	R_MINI-MELF	pbx_bidi[	9C5	]									
R398		R_MINI-MELF	pbx_bidi[	10C6	]	R453	R_MELF	pbx_bidi[	8D1	]									
R399		R_MINI-MELF	pbx_bidi[	10C6	]	R454	R_MELF	pbx_bidi[	8A2	]									
R400		R_0805	pbx_bidi[	7B2	]	R455	R_MELF	pbx_bidi[	8A2	]									
R401		R_0805	pbx_bidi[	7A4	]	R456	R_MELF	pbx_bidi[	8C2	]									
R402		R_0805	pbx_bidi[	7A2	]	R457	R_0805	pbx_bidi[	9C3	]									
R403		R_MINI-MELF	pbx_bidi[	7A5	]	R458	R_MELF	pbx_bidi[	8D1	]									
R404		R_0603	pbx_bidi[	7C2	]	R459	R_MINI-MELF	pbx_bidi[	9D3	]									
R405		R_MINI-MELF	pbx_bidi[	7B4	]	REF_S	MP_THT	pbx_bidi[	14D3	]									
R406		R_0805	pbx_bidi[	7B4	]	REL1	RELAY_RT_FINDER_1M	pbx_bidi[	2D7 2A8	]									
R407		R_0603	pbx_bidi[	7B6	]	REL2	RELAY_RT_FINDER_1M	pbx_bidi[	2C7 2A8	]									
C		R408	R_0603	pbx_bidi[	7B7	]	S+15V	MP_THT	pbx_bidi[	8B8	]	C							
		R409	R_0603	pbx_bidi[	7B7	]	S-15V	MP_THT	pbx_bidi[	8B8	]								
	R410	R_MINI-MELF	pbx_bidi[	8C3	]	SGND	MP_THT	pbx_bidi[	8B8	]									
	R411	R_MINI-MELF	pbx_bidi[	8D3	]	S_GND	MP_THT	pbx_bidi[	8B8	]									
	R412	R_MELF	pbx_bidi[	7B6	]	TEMP_IGBT	MP_THT	pbx_bidi[	14C6	]									
	R413	R_MELF	pbx_bidi[	7C6	]	TEMP_UN	MP_THT	pbx_bidi[	14D5	]									
	R414	R_MELF	pbx_bidi[	7C6	]	TR1	5033001300	pbx_bidi[	5A5	]									
	R415	R_MINI-MELF	pbx_bidi[	7D4	]	TR2	5033001300_SMD	pbx_bidi[	6A5	]									
	R416	R_0805	pbx_bidi[	7D4	]	TR3	5033001300	pbx_bidi[	7A5	]									
	R417	R_0603	pbx_bidi[	7D6	]	TR4	SL02060312	pbx_bidi[	8B6	]									
	R418	R_0805	pbx_bidi[	8D8	]	U1	LM3103_TSSOP	pbx_bidi[	3B7	]									
	R419	R_0805	pbx_bidi[	8C8	]	U2	ADUM1251_SOIC	pbx_bidi[	3C8	]									
	R420	R_0805	pbx_bidi[	8D7	]	U3	AD7417_TSSOP	pbx_bidi[	3D8	]									
	R421	R_MELF	pbx_bidi[	7D6	]	U4	LMC7101_SMD	pbx_bidi[	3D6	]									
	R422	R_MELF	pbx_bidi[	7D6	]	U5	REF02_SOIC	pbx_bidi[	3C5	]									
	R423	R_0805	pbx_bidi[	8D8	]	U6	74HC14_SOIC	pbx_bidi[	2A3 2B2 2A2 2B3 2B5 2B2	]									
	R424	R_0805	pbx_bidi[	8C8	]	U7	74HC14_SOIC	pbx_bidi[	2D4 2D4 2D4 2C4 2D4 2D1	]									
	R425	R_0805	pbx_bidi[	8C7	]	U8	24C64_SOIC	pbx_bidi[	2C7	]									
	D												D						
Changes					WARNING THIS WORK AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF OTIS ELEVATOR COMPANY (OTIS). IT IS DELIVERED TO OTHERS ON THE EXPRESS CONDITION THAT IT WILL BE USED ONLY FOR OR ON BEHALF OF OTIS ; THAT NEITHER IT OR NOR THE INFORMATION IT CONTAINS WILL BE REPRODUCED OR DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF OTIS ; AND THAT ON DEMAND IT AND ANY COPIES WILL BE PROMPTLY RETURNED TO OTIS.  UNPUBLISHED WORK (C) OTIS ELEVATOR COMPANY ALL RIGHTS RESERVED.					CIRCUIT DIAGRAM FOR  PBX_BIDI   CAD GENERATED CADENCE-CONCEPT					DWG GAA26800MX OTIS ENGINEERING CENTER BERLIN, GERMANY DRAWN A. Tutat ORIGINAL DATE 2010-04-13 CHK M. Dehmlow APPD M. Dehmlow SHEETS AUTH CA47A-000528 SHEET 27				
DEVICE TYPE FOR DESIGN REFERENCE ONLY; REFER TO BOM FOR MANUFACTURING					 Otis A United Technologies Company														

A3		1		2		3		4		5		6		7		8					
A	B	U9	UC3845B_SOIC	pbx_bidi[	5A3 ]	VRS	MP_THT	pbx_bidi[	11B6 ]	A	B	C	D								
		U10	HCPL316J_SOIC	pbx_bidi[	5B3 ]	VRS_N	MP_THT	pbx_bidi[	11B7 ]												
		U11	74HC14_SOIC	pbx_bidi[	5D2 5B2 5B2 5D2 5B2 5C2 ]	VRS_NP	MP_THT	pbx_bidi[	9A6 ]												
		U12	TL084B_SOIC	pbx_bidi[	13B7 13C7 13C7 13C6 ]	VST	MP_THT	pbx_bidi[	12B6 ]												
		U13	TL084B_SOIC	pbx_bidi[	13D3 13B3 13B4 13C3 ]	VST_N	MP_THT	pbx_bidi[	12B7 ]												
		U14	IL300_COMBI	pbx_bidi[	13B5 ]	VST_NP	MP_THT	pbx_bidi[	9B6 ]												
		U15	HCPL316J_SOIC	pbx_bidi[	5D3 ]	Z1	BZV55B11_SMD	pbx_bidi[	5A3 ]												
		U16	IL300_COMBI	pbx_bidi[	14B5 ]	Z2	SMBJ60CA_SMD	pbx_bidi[	5A6 ]												
		U17	TL084B_SOIC	pbx_bidi[	14D3 14C6 14B7 14D5 ]	Z3	SMBJ60CA_SMD	pbx_bidi[	5A6 ]												
		U18	TL084B_SOIC	pbx_bidi[	14B3 14C2 14C1 14C3 ]	Z4	BZX84C3V9_SMD	pbx_bidi[	5A6 ]												
		U19	TL431A_SOIC	pbx_bidi[	5B6 ]	Z5	BZX84C3V9_SMD	pbx_bidi[	5A7 ]												
		U20	PS2561L_SOIC	pbx_bidi[	5A6 ]	Z6	BZV55B11_SMD	pbx_bidi[	6A3 ]												
		U21	PS2561L_SOIC	pbx_bidi[	5A8 ]	Z7	SMBJ60CA_SMD	pbx_bidi[	6A6 ]												
		U22	TL431A_SOIC	pbx_bidi[	5B7 ]	Z8	SMBJ60CA_SMD	pbx_bidi[	6A6 ]												
		U23	REF02_SOIC	pbx_bidi[	14D1 ]	Z9	BZX84C3V9_SMD	pbx_bidi[	6A6 ]												
		U24	IL300_COMBI	pbx_bidi[	12A5 ]	Z10	BZX84C3V9_SMD	pbx_bidi[	6A7 ]												
		U25	TL084B_SOIC	pbx_bidi[	9B5 ]	Z11	BZV55B11_SMD	pbx_bidi[	7A3 ]												
		U25	TL084B_SOIC	pbx_bidi[	11D3 ]	Z12	SM6T22CA	pbx_bidi[	8D3 ]												
		U25	TL084B_SOIC	pbx_bidi[	12A3 12C3 ]	Z13	SMBJ60CA_SMD	pbx_bidi[	7A6 ]												
		U26	UC3845B_SOIC	pbx_bidi[	6A3 ]	Z14	SMBJ60CA_SMD	pbx_bidi[	7A6 ]												
		U27	HCPL316J_SOIC	pbx_bidi[	6B3 ]	Z15	BZX84C18_SMD	pbx_bidi[	8D5 ]												
		U28	74HC14_SOIC	pbx_bidi[	6B2 6D2 6B2 6C2 6D2 6B2 ]	Z16	BZX84C3V9_SMD	pbx_bidi[	7A6 ]												
		U29	TL084B_SOIC	pbx_bidi[	11B6 11B7 ]	Z17	BZX84C3V9_SMD	pbx_bidi[	7A7 ]												
		U29	TL084B_SOIC	pbx_bidi[	12B6 12B7 ]	Z18	SMBJ36CA_SMD	pbx_bidi[	8A1 ]												
		U30	REF02_SOIC	pbx_bidi[	11D2 ]	Z19	SMBJ36CA_SMD	pbx_bidi[	8C1 ]												
C	D	U31	TL084B_SOIC	pbx_bidi[	9A5 ]	Z20	SM6T33CA_SMD	pbx_bidi[	5A5 ]	C	D										
		U31	TL084B_SOIC	pbx_bidi[	11C3 11A3 11C2 ]	Z21	BZV55B9V1_SMD	pbx_bidi[	5B4 ]												
		U32	HCPL316J_SOIC	pbx_bidi[	6D3 ]	Z22	BZV55B18_SMD	pbx_bidi[	5B4 ]												
		U33	IL300_COMBI	pbx_bidi[	11A5 ]	Z23	BZV55B18_SMD	pbx_bidi[	5B7 ]												
		U34	TL084B_SOIC	pbx_bidi[	10D4 10A4 10B2 10D2 ]	Z24	BZV55B18_SMD	pbx_bidi[	5B6 ]												
		U35	LM339A_SOIC	pbx_bidi[	10C2 10C2 10B8 10B7 ]	Z25	BZV55B18_SMD	pbx_bidi[	5B6 ]												
		U36	TL431A_SOIC	pbx_bidi[	6B6 ]	Z26	BZV55B18_SMD	pbx_bidi[	5B8 ]												
		U37	PS2561L_SOIC	pbx_bidi[	6A6 ]	Z27	BZV55B18_SMD	pbx_bidi[	5B8 ]												
		U38	PS2561L_SOIC	pbx_bidi[	6A8 ]	Z28	BZV55B18_SMD	pbx_bidi[	5B7 ]												
		U39	TL431A_SOIC	pbx_bidi[	6B7 ]	Z29	BZV55B9V1_SMD	pbx_bidi[	5D4 ]												
		U40	555_CMOS	pbx_bidi[	10C4 ]	Z30	BZV55B18_SMD	pbx_bidi[	5D4 ]												
		U41	PS2561L_SOIC	pbx_bidi[	10C6 ]	Z31	BZV55B18_SMD	pbx_bidi[	5D6 ]												
		U42	UC3845B_SOIC	pbx_bidi[	7A3 ]	Z32	BZV55B18_SMD	pbx_bidi[	5D8 ]												
		U43	HCPL316J_SOIC	pbx_bidi[	7B3 ]	Z33	BZV55B18_SMD	pbx_bidi[	5D8 ]												
		U44	74HC14_SOIC	pbx_bidi[	7B2 7B2 7D2 7B2 7D2 7C2 ]	Z34	BZV55B18_SMD	pbx_bidi[	5D7 ]												
		U45	HCPL316J_SOIC	pbx_bidi[	7D3 ]	Z35	BZV55B18_SMD	pbx_bidi[	5D7 ]												
		U46	PS2561L_SOIC	pbx_bidi[	8C6 ]	Z36	BZV55B18_SMD	pbx_bidi[	5D6 ]												
		U47	TL431A_SOIC	pbx_bidi[	8D8 ]	Z37	SM6T33CA_SMD	pbx_bidi[	6A5 ]												
		U48	UC3845B_SOIC	pbx_bidi[	8C4 ]	Z38	BZV55B9V1_SMD	pbx_bidi[	6B4 ]												
		U49	TL431A_SOIC	pbx_bidi[	7B6 ]	Z39	BZV55B18_SMD	pbx_bidi[	6B4 ]												
		U50	PS2561L_SOIC	pbx_bidi[	7A6 ]	Z40	BZV55B18_SMD	pbx_bidi[	6B7 ]												
		U51	PS2561L_SOIC	pbx_bidi[	7A8 ]	Z41	BZV55B18_SMD	pbx_bidi[	6B6 ]												
		U52	TL431A_SOIC	pbx_bidi[	7B7 ]	Z42	BZV55B18_SMD	pbx_bidi[	6B6 ]												
		U53	PS2561L_SOIC	pbx_bidi[	2A6 ]	Z43	BZV55B18_SMD	pbx_bidi[	6B8 ]												
		U54	24C64_SOIC	pbx_bidi[	3A7 ]	Z44	BZV55B18_SMD	pbx_bidi[	6B8 ]												
U55		TL084B_SOIC	pbx_bidi[	9B3 9C3 9B3 9A3 ]	Z45	BZV55B18_SMD	pbx_bidi[	6B7 ]													
U56		74HC14_SOIC	pbx_bidi[	3A4 3D2 3A4 3A4 3D2 3D2 ]	Z46	BZV55B9V1_SMD	pbx_bidi[	6D4 ]													
U57		555_CMOS	pbx_bidi[	9D3 ]	Z47	BZV55B18_SMD	pbx_bidi[	6D4 ]													
UDCL		MP_THT	pbx_bidi[	13C7 ]	Z48	BZV55B18_SMD	pbx_bidi[	6D6 ]													
VCC		MP_THT	pbx_bidi[	2B1 ]	Z49	BZV55B18_SMD	pbx_bidi[	6D8 ]													
Changes					WARNING THIS WORK AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF OTIS ELEVATOR COMPANY (OTIS). IT IS DELIVERED TO OTHERS ON THE EXPRESS CONDITION THAT IT WILL BE USED ONLY FOR OR ON BEHALF OF OTIS ; THAT NEITHER IT OR NOR THE INFORMATION IT CONTAINS WILL BE REPRODUCED OR DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF OTIS ; AND THAT ON DEMAND IT AND ANY COPIES WILL BE PROMPTLY RETURNED TO OTIS.  UNPUBLISHED WORK (C) OTIS ELEVATOR COMPANY ALL RIGHTS RESERVED.					CIRCUIT DIAGRAM FOR  PBX_BIDI   CAD GENERATED CADENCE-CONCEPT					DWG GAA26800MX OTIS ENGINEERING CENTER BERLIN, GERMANY DRAWN A. Tutat ORIGINAL DATE CHK M. Dehmlow 2010-04-13 APPD M. Dehmlow SHEETS AUTH CA47A-000528 SHEET 28						
DEVICE TYPE FOR DESIGN REFERENCE ONLY; REFER TO BOM FOR MANUFACTURING					 Otis A United Technologies Company																

OCB A3  
REV 2004-09-06

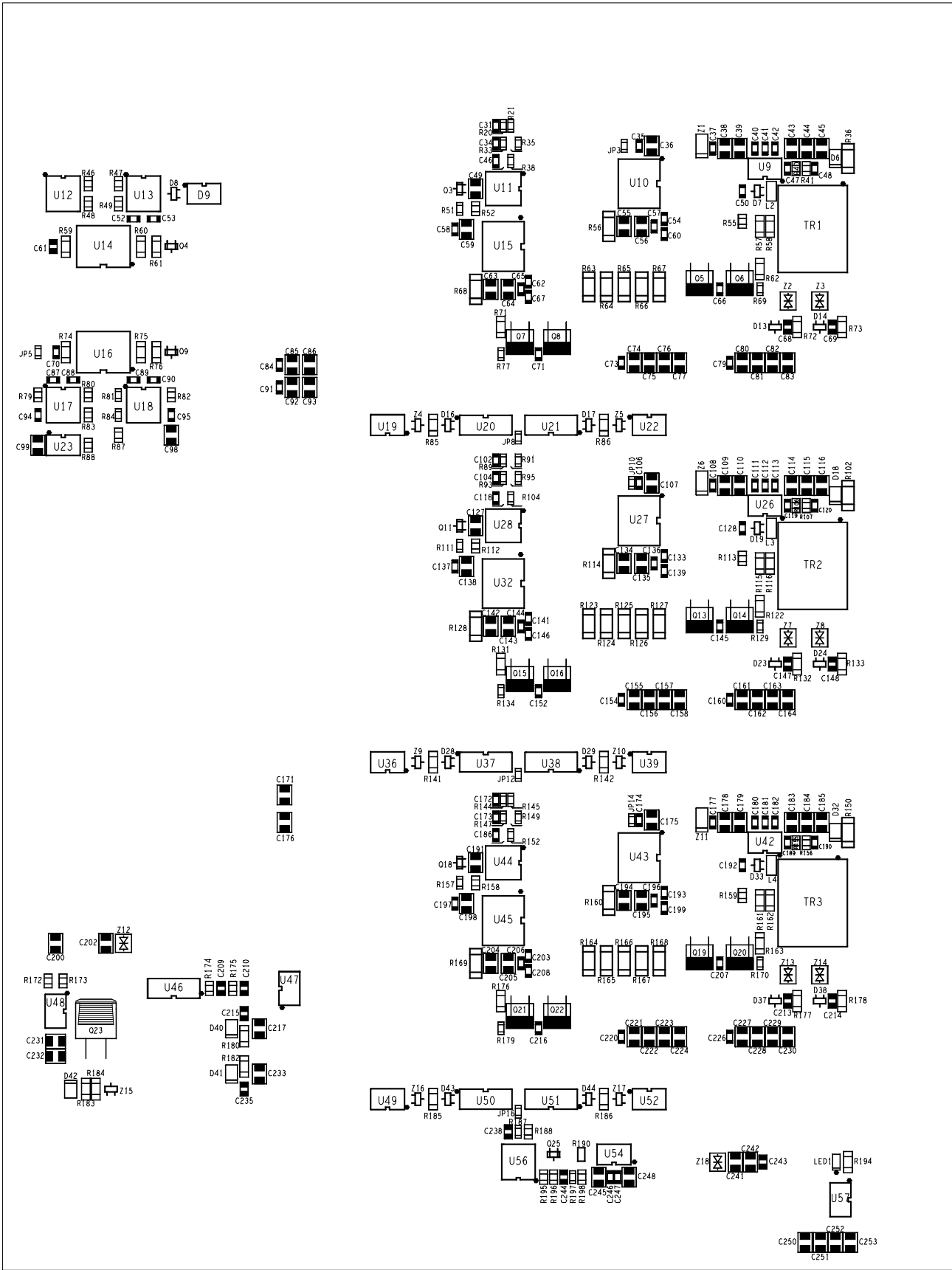
OCB\_A3  
REV 2004-09-06

A3		1	2	3	4	5	6	7	8		
A	Z50	BZV55B18_SMD	pbx_bidi[	6D8	]					A	
	Z51	BZV55B18_SMD	pbx_bidi[	6D7	]						
	Z52	BZV55B18_SMD	pbx_bidi[	6D7	]						
	Z53	BZV55B18_SMD	pbx_bidi[	6D6	]						
	Z54	SM6T33CA_SMD	pbx_bidi[	7A5	]						
	Z55	BZV55B9V1_SMD	pbx_bidi[	7B4	]						
	Z56	BZV55B18_SMD	pbx_bidi[	7B4	]						
	Z57	BZV55B18_SMD	pbx_bidi[	7B7	]						
	Z58	BZV55B18_SMD	pbx_bidi[	7B6	]						
	Z59	BZV55B18_SMD	pbx_bidi[	7B6	]						
Z60	BZV55B18_SMD	pbx_bidi[	7B8	]							
Z61	BZV55B18_SMD	pbx_bidi[	7B8	]							
Z62	BZV55B18_SMD	pbx_bidi[	7B7	]							
Z63	BZV55B9V1_SMD	pbx_bidi[	7D4	]							
Z64	BZV55B18_SMD	pbx_bidi[	7D4	]							
Z65	BZV55B18_SMD	pbx_bidi[	7D6	]							
Z66	BZV55B18_SMD	pbx_bidi[	7D8	]							
Z67	BZV55B18_SMD	pbx_bidi[	7D8	]							
Z68	BZV55B18_SMD	pbx_bidi[	7D7	]							
Z69	BZV55B18_SMD	pbx_bidi[	7D7	]							
Z70	SMBJ30CA	pbx_bidi[	8B6	]							
Z71	BZV55B18_SMD	pbx_bidi[	7D6	]							
Z72	SMBJ90CA_SMD	pbx_bidi[	8B7	]							
Z73	BZG05C4V7_SMD	pbx_bidi[	8B5	]							
Z74	BZV55C3V3_SMD	pbx_bidi[	8D5	]							
Z75	SMBJ90CA_SMD	pbx_bidi[	8B7	]							
Z76	SM15T27CA_SMD	pbx_bidi[	3A4	]							
Z77	BZV55B12_SMD	pbx_bidi[	9D4	]							
B										B	
C										C	
D										D	
	Changes					THIS WORK AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF OTIS ELEVATOR COMPANY (OTIS). IT IS DELIVERED TO OTHERS ON THE EXPRESS CONDITION THAT IT WILL BE USED ONLY FOR OR ON BEHALF OF OTIS ; THAT NEITHER IT OR NOR THE INFORMATION IT CONTAINS WILL BE REPRODUCED OR DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF OTIS ; AND THAT ON DEMAND IT AND ANY COPIES WILL BE PROMPTLY RETURNED TO OTIS.  UNPUBLISHED WORK (C) OTIS ELEVATOR COMPANY ALL RIGHTS RESERVED.		CIRCUIT DIAGRAM FOR  PBX_BIDI		DWG GAA26800MX	
										OTIS ENGINEERING CENTER BERLIN, GERMANY	
	DEVICE TYPE FOR DESIGN REFERENCE ONLY; REFER TO BOM FOR MANUFACTURING					 Otis A United Technologies Company		CAD GENERATED CADENCE-CONCEPT		DRAWN A. Tutat	ORIGINAL DATE
										CHK M. Dehmlow	2010-04-13

OCB\_A3  
REV 2004-09-06



TOP VIEW  
Sicht auf  
Bestückungsseite



ALL DIMENSIONS METRIC

CHANGES

WARNING

This work and the information it contains are the property of OTIS Elevator Company (OTIS). It is delivered to others on the express condition that it will be used only for, or on behalf of, OTIS; that neither it nor the information it contains will be reproduced or disclosed, in whole or in part, without the prior written consent of OTIS; and that on demand it and any copies will be promptly returned to OTIS.

Unpublished work (C) OTIS Elevator Company 1998  
All rights reserved.



PCB LAYOUT

PBX\_BIDI

CADENCE ALLEGRO  
CAD GENERATED

SMD-Lageplan

Part-No. GAA26800MX1  
Teil-Nr.

Scale  
Massstab 1 : 1

DWG GAA26800MX

OTIS ENGINEERING CENTER  
BERLIN, GERMANY

DRAWN S. KOEPPEN  
CHK A. TUTAT  
APPD M. DEHMLOW  
AUTH CA47A-000528

ORIGINAL DATE  
2010-04-13  
SHEETS  
SHEET 30

D

C

B

A

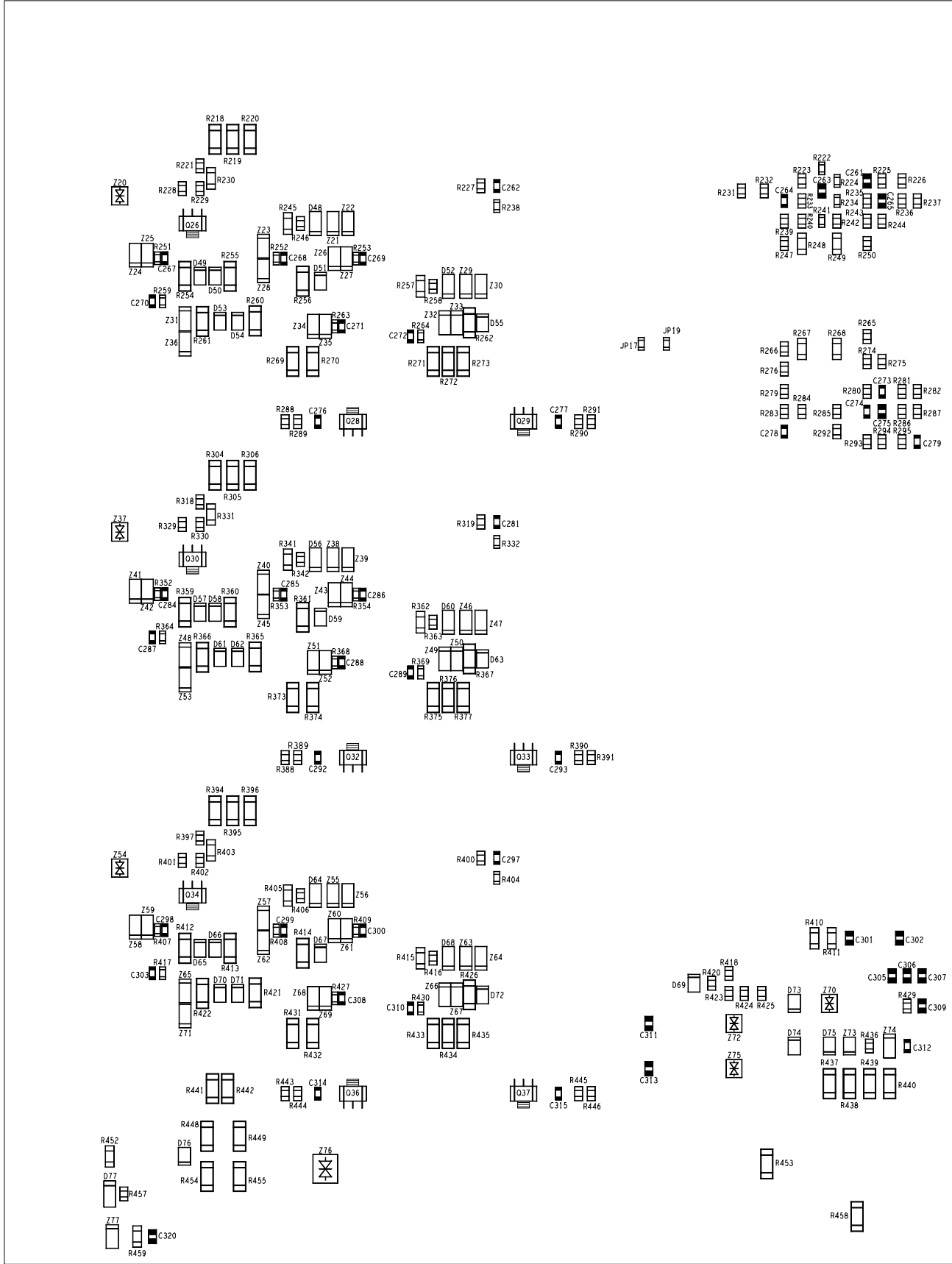
D

C

B

A

BOTTOM VIEW  
Sicht auf  
Loetseite



ALL DIMENSIONS METRIC

SMD-Lageplan	
Part-No.	GAA26800MX1
Teil-Nr.	
Scale	1 : 1
Massstab	
DWG GAA26800MX	
OTIS ENGINEERING CENTER BERLIN, GERMANY	
DRAWN	S. KOEPPEN
CHK	A. TUTAT
APPD	M. DEHMLOW
AUTH	CA47A-000528
ORIGINAL DATE 2010-04-13	
SHEETS SHEET 31	


CHANGES
---------

**WARNING**

This work and the information it contains are the property of OTIS Elevator Company (OTIS). It is delivered to others on the express condition that it will be used only for, or on behalf of, OTIS; that neither it nor the information it contains will be reproduced or disclosed, in whole or in part, without the prior written consent of OTIS; and that on demand it and any copies will be promptly returned to OTIS.

Unpublished work (C) OTIS Elevator Company 1998

All rights reserved.



A United Technologies Company

PCB LAYOUT

PBX\_BIDI

CADENCE ALLEGRO

CAD GENERATED

D

C

B

A

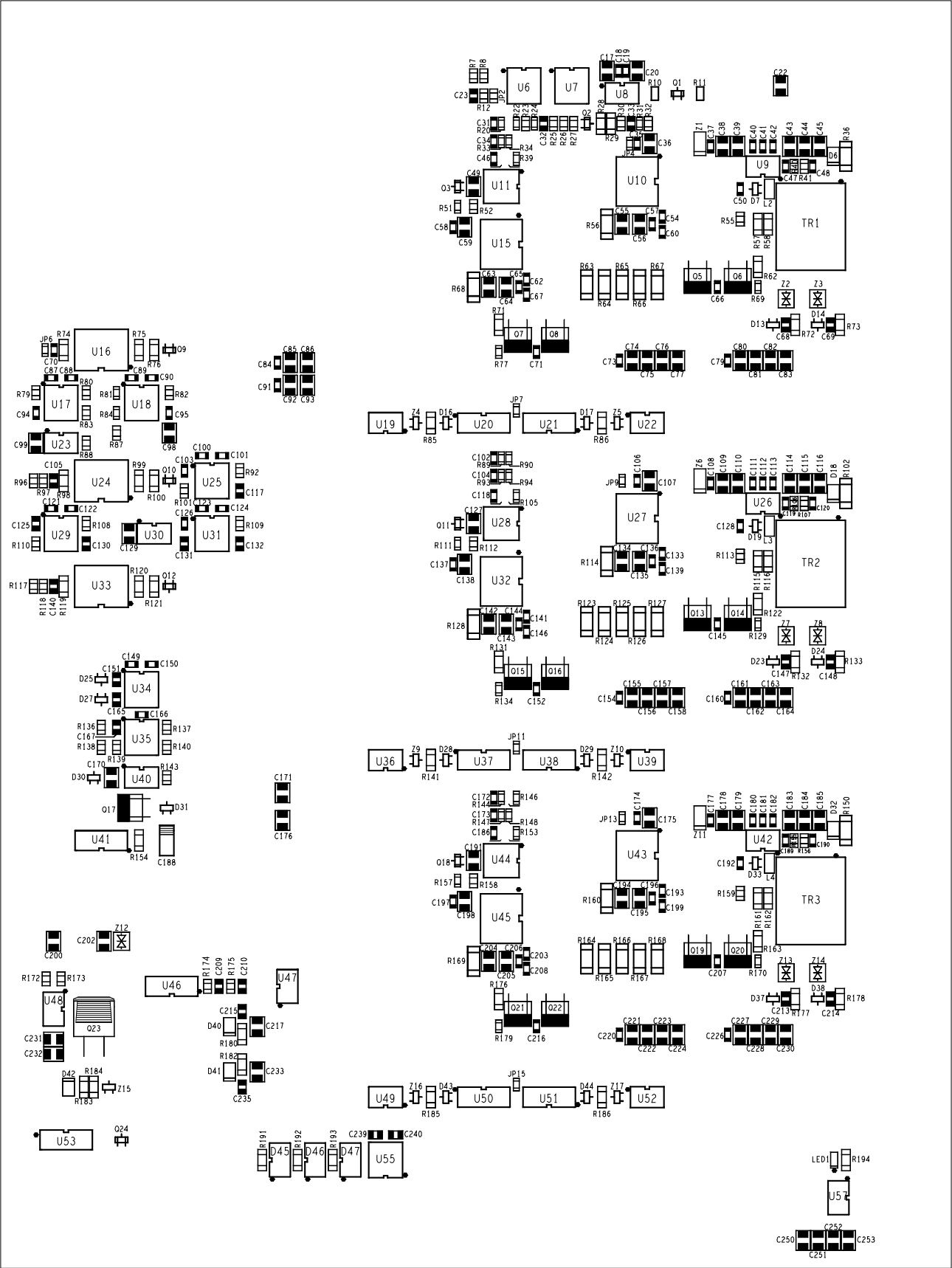
D

C

B

A

TOP VIEW  
Sicht auf  
Bestückungsseite



ALL DIMENSIONS METRIC

CHANGES

WARNING

This work and the information it contains are the property of OTIS Elevator Company (OTIS). It is delivered to others on the express condition that it will be used only for, or on behalf of, OTIS; that neither it nor the information it contains will be reproduced or disclosed, in whole or in part, without the prior written consent of OTIS; and that on demand it and any copies will be promptly returned to OTIS.

Unpublished work (C) OTIS Elevator Company 1998

All rights reserved.



A United Technologies Company

PCB LAYOUT

PBX\_BIDI

CADENCE ALLEGRO  
CAD GENERATED

SMD-Lageplan

Part-No. GAA26800MX2  
Teil-Nr.

Scale  
Massstab 1 : 1

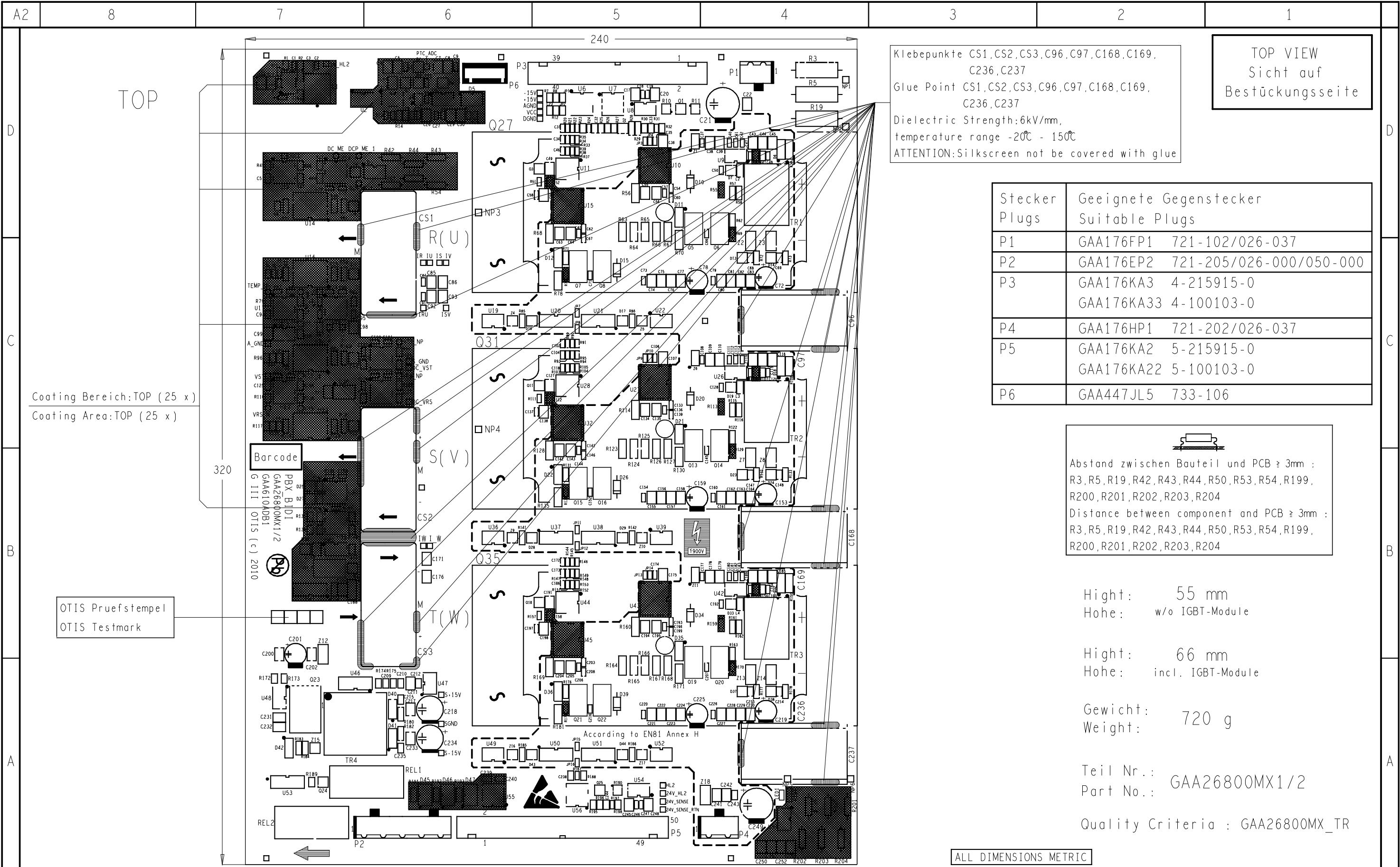
DWG GAA26800MX


OTIS ENGINEERING CENTER  
BERLIN, GERMANY

DRAWN S. KOEPPEN  
CHK A. TUTAT  
APPD M. DEHMLOW  
AUTH CA47A-000528

ORIGINAL DATE  
2010-04-13  
SHEETS  
SHEET 32





CHANGES	WARNING		PCB LAYOUT		DWG GAA26800MX	
	This work and the information it contains are the property of OTIS Elevator Company (OTIS). It is delivered to others on the express condition that it will be used only for, or on behalf of, OTIS; that neither it nor the information it contains will be reproduced or disclosed, in whole or in part, without the prior written consent of OTIS; and that on demand it and any copies will be promptly returned to OTIS.		PBX_BIDI		OTIS ENGINEERING CENTER BERLIN, GERMANY	
	Unpublished work (C) OTIS Elevator Company 1998 All rights reserved.		CADENCE ALLEGRO CAD GENERATED		DRAWN S.KOEPPEN	ORIGINAL DATE
	 A United Technologies Company				CHK A.TUTAT	2010-04-13
				APPD M.DEHMLOW	SHEETS	
				AUTH CA47A-000528	SHEET 34	

D

C

B

A

D

C

B

A


BOTTOM

BOTTOM VIEW  
Sicht auf  
Lötseite

Herstellersymbol/Fertigungsdatum  
Manufacturersymbol/Datecode

Coating Bereich:BOTOM ( 7 x )  
Coating Area:BOTTOM ( 7 x )

ALL DIMENSIONS METRIC

OCCB A2 REV 1998-11-13	CHANGES		<div><div>WARNING</div><div>This work and the information it contains are the property of OTIS Elevator Company (OTIS). It is delivered to others on the express condition that it will be used only for, or on behalf of, OTIS; that neither it nor the information it contains will be reproduced or disclosed, in whole or in part, without the prior written consent of OTIS; and that on demand it and any copies will be promptly returned to OTIS.</div><div>Unpublished work (C) OTIS Elevator Company 1998 All rights reserved.</div></div>	PCB LAYOUT		DWG		GAA26800MX			
				PBX_BIDI		OTIS ENGINEERING CENTER BERLIN, GERMANY					
				CADENCE ALLEGRO		DRAWN		S.KOEPPEN		ORIGINAL DATE	
				CAD GENERATED		CHK		A.TUTAT		2010-04-13	
						APPD		M.DEHMLOW		SHEETS	
						AUTH		CA47A-000528		SHEET 35	
			<div><div></div><div>A United Technologies Company</div></div>								