LCB-CPB-01 1.0.0 December 2023

LEA Logo

Fiducial medium

Fiducial medium

Fiducial medium

> Fiducial medium

Pinheaders

Datei: Pinheaders.kicad_sch

Connector_Control_Board

Datei: Connector_Control_Board.kicad_sch

PADERBORN UNIVERSITY DEPARTMENT OF POWER ELECTRONICS AND ELECTRICAL DRIVES

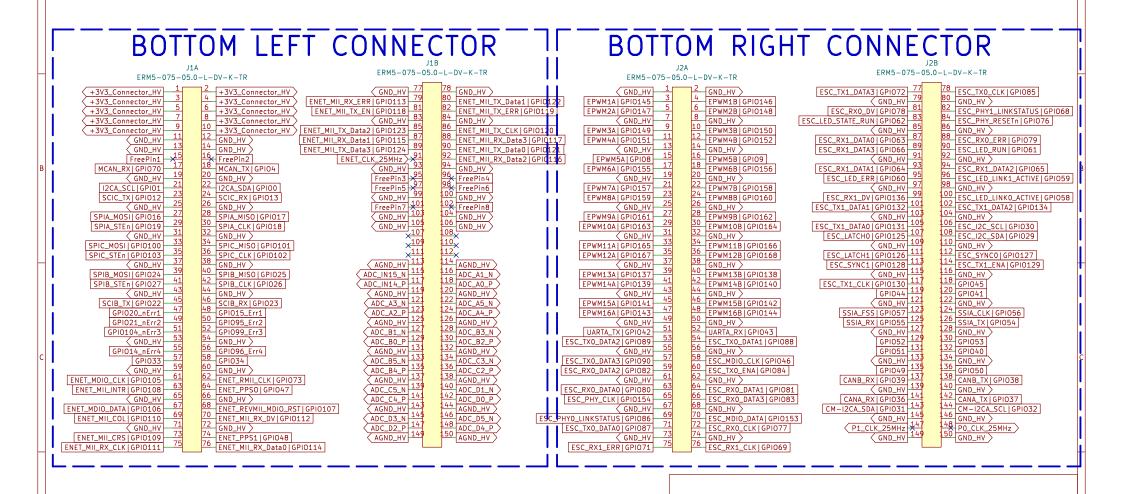
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File: LCB-CPB-01_Pin_Board.kicad_sch

Title: LCB-CPB-01: Pin_BoradSize: A4 Date: 2023-12-13

 Size: A4
 Date: 2023-12-13
 Rev: 1.0.0

 KiCad E.D.A. kicad 7.0.9
 Id: 1/3



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Rev: 1.0.0

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Sheet: /Connector_Control_Board/
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Title: LCB-CPB-01: Pin_Borad

Size: A4

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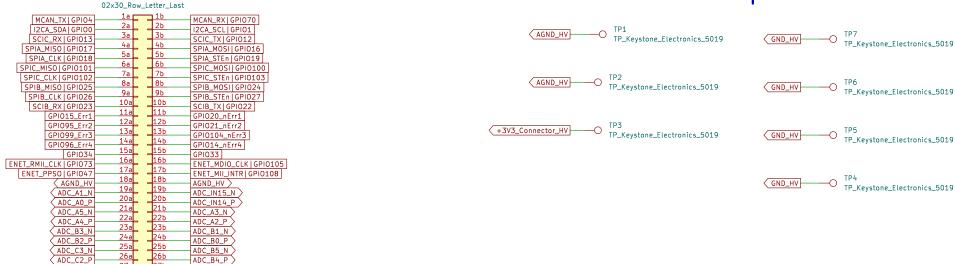
TOP LEFT CONNECTOR to Pinheader

ADC_C5_N

ADC_D1_N

ADC_DO_P ADC_D5_N

Testpoints



TOP RIGHT CONNECTOR to Pinheader

J	4		J5			
02x30_Row_Letter_Last		1	02x30_Row_Letter_La	ıst		
EPWM1A GPI0145	EPWM1B GPI0146	ESC_MDIO_CLK GPI046	1a 1b	ESC_TX0_DATA3 GPI090		
EDWM2A I CDIO1/17 2a	2b EDWM2B CDIO1//8	ESC_TX0_ENA GPI084	2a 2b	ESC_RX0_DATA21GPI082		
EPWM3A GPI0147 3a	3b EDWM3D CDIO150	ESC_RXO_DATA1 GPI081	3a 3b	ESC_RX0_DATA0 GPI080		
EPWM4A GPI0151 4a	4b EPWM4B GPI0152	ESC_RXO_DATA3 GPI083	4a 4b	ESC_PHY_CLK GPI0154		
EPWM5AIGPI08 5a	4b EPWM4B GPI0150 5b EPWM5B GPI09 6b EPWM5B GPI09	ESC_MDIO_DATA GPI0153	5a 5b 6b	ESC_PHYO_LINKSTATUS GI	P1086	
EPWM6A GPI0155 6a		ESC_RX0_CLK GPI077	6a 6b	ESC_TX0_DATA0 GPI087		
EPWM7A GPIO157 7a	7b EPWM7B GPI0158	ESC_RX1_CLK GPI069	7a 7b	ESC_RX1_ERR GPI071		
EPWM8A GPI0159 8a	8b EPWM8B GPI0160	ESC_TXO_CLK GPI085	8a 8b 9a 9b	ESC_TX1_DATA3 GPI072		C
EPWM9A GPI0161 9a	9b EPWM9B GPI0162	ESC_PHY1_LINKSTATUS GPI068	9a 9b 10a 10b	ESC_RX0_DV GPI078		
EPWM10A GPI0163	EPWMIOB GPIOI64	ESC_PHY_RESETn GPI076	11a 11b	ESC_LED_STATE_RUN GPIC	062	
EPWM11A GPIU165	EPWMIIB GPIUIDO	ESC_RX0_ERR GPI079	12a 12b	ESC_RX1_DATA0 GPI063		
EPWM12A GPIU16/	LF WMIZB GFIOTOO	ESC_LED_RUN GPI061	13a 13b	ESC_RX1_DATA3 GPI066		
EPWM13A GPI0137 14a	EL MINITOD OF 10130	ESC_RX1_DATA2 GPI065	14a 14b	ESC_RX1_DATA1 GPI064		
EPWM14A GPI0139 15a	EPWM14B GPI0140	ESC_LED_LINK1_ACTIVE GPI059	15a 15b	ESC_LED_ERR GPI060		
EPWM15A GPI0141 16a	LFWMIDD GFI0142	ESC_LED_LINKO_ACTIVE GPI058	16a 16b	ESC_RX1_DV GPI0136	1	
EPWM16A GPI0143 17a 17a	17b EPWM16B GPI0144 UARTA_RX GPI043	ESC_TX1_DATA2 GPI0134-	17a 17b	ESC_TX1_DATA1 GPI0132 ESC_TX1_DATA0 GPI0131		
ESC_TXO_DATA2 GPI042	18b = 500 TV0 DITIALISTICOS		18a 18b	ESC_IXI_DATAU GPI0131		\vdash
GND HV 19a	19b CND HV	ESC_SYNCO GPI0127	19a 19b	ESC_LATCH1 GPI0126		
ENET_MDIO_DATA GPI0106 20a	ZOD EUST DELVU UDIO DETI		20а 20ь	ESC_SYNC1 GPI0128		
ENET MIL COL I GPIO 110 21a	21b ENET_MEV_MDIO_RST 22b ENET_MIS_RX_DV [GPI011 22b ENET_PPS1 [GPI048] 23b ENET_PPS1 [APA Data 0 [GPI		21a 21b 22a 22b 23a 23b	ESC_TX1_CLK GPI0130		
ENET MIL CPS ICPIO100 22a	ENET_PPS1 GPI048	GPI041	22a 22b	GP1044		
ENET_MIL_RX_CLK GPI0111 23a	23b ENET_MII_RX_Data0 GPI		23a 23b	SSIA_FSS GPI057		
ENET MIL RX ERRIGPI0113 24a	24b ENET_MII_TX_Data1 GPII		24a 24b	SSIA_RX GPI055		
ENET_MII_TX_EN GPI0118 25a		L19 GPI053	25a 25b	GPI052	PADERBORN UNIVERSITY DEPARTMENT OF POW	VED ELECTRONICS AND ELECTRICAL DRIVES
ENET_MII_TX_Data2 GPI0123 27a	26b ENET_MIL_TX_CLK GPIO1		26a 26b 27a 27b	GPI051	Sheet: /Pinheaders/	TER ELECTRONICS AND ELECTRICAL DRIVES
ENET_MIT_RX_Data1 GPIU115	ENET_MIT_RX_Data3 GPT		28a 28b	GPI049	File: Pinheaders.kicad sch	D
ENEI_MII_IX_Data5 GPI0124	ENEI_MII_IX_DataU GPII		29a 29b	CANB_RX GPI039		
GND_HV 70	ZOP ENET_MIT_RX_DataZ GPT		30a 30b	CANA_RX GPI036	Title: LCB—CPB—01: Pin_Borad	
GND_HV SUB	GND_HV	CM-I2CA_SCL GPI032	300	CM-I2CA_SDA GPI031	Size: A4 Date: 2023-12-13	Rev: 1.0.0
					KiCad E.D.A. kicad 7.0.9	ld: 3/3
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