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U1D	U1F	U1H		
TMS320F28388D C8	TMS320F28388D L17	TMS320F28388D	Sheet: OMODRI ETHERCAT CONNECT CLK ESC_TX1_CLKD CONTROL ESC_TX1_CNTROL ESC_TX1_CNTROL	
EPWM1A D8 DM1_PWM1_CHA EPWM1B DM1_PWM1_CHB	SPIB_CLK K16 DCOM_SPI_CLK	TAO FEC TVA FNA	ESC_TX1_CLKD ESC_TX1_ENA ESC_TX1_ENA ESC_TX1_ENA	
EDWMAN A/ BM4 BWM3 CHA	GPI066 K17 ×	TSC TV1 CLE U10 ESC_TX1_CLK	ESC_IXI_ENAC	
	GPI067 B19 X	V10 ESC TV1 DO	ESC_TX1_DOC ESC_TX1_DO	
	ESC DUVI LINIVETATUS C18 ESC_PHY1_LINKSTATUS	ECC TV4 DATA4 W18 ESC TX1 D1	ESC_TX1_DIC ESC_TX1_DI ESC_TX1_D1 CESC_TX1_D1	
EDWM3DL D7 EM1 DWM3 CUD	SDIC SIMO B18 DEDI SIMO	GPI0133 010 ×	ESC_IX1_D10 ESC_TX1_D20 ESC_TX1_D30 ESC_TX1_D30	
EPWM44 Ab DM2 PWM1 CH4	CDIC COMI AT / GCDI COMI	FSC TX1 DATA2 VIO ESC_IX1_D2	ESC_TX1_D3 C C C C C C C C C C C C C C C C C C C	
EDWM//B BO DW3 DWM1 CHB	CDIC CI VI D±/ PCDI CIV	ECC TV1 DATAZ UIO ESC_IXI_D3	ESC_RX1_CLKD_ESC_RX1_CLK ESC_RX1_FRR	
EPWM5A G3 DM2_PWM2_CHA		ESC_RX1_DV T17 ESC_RX1_DV		
EDWMER OS DWM2 CHR	GPIO/3 ×±0 → GPI00	ESC_RX1_CLK T10 ESC_RX1_CER	ESC_RX1_DVD_ESC_RX1_DV	
FPWM6A DZ DM2 PWM3 CHA		N10 FCC PV1 D0	FSC PY1 DO	
EPWM6B C1 DM2_PWM3_CHB		ESC_RX1_DATA0 ESC_RX1_DATA1 M19 ESC_RX1_D1 M18 FSC_RX1_D2	ESC_RX1_DOD ESC_RX1_D1 ESC_RX1_D1D ESC_RX1_D1 ESC_RX1_D1D ESC_RX1_D2	
CANB_TX CANB_RX D1 CAN_RX D2 CAN_RX	AAE A	ESC_RX1_DATA2 M18 ESC_RX1_D2		
CDIO4/L DZ X		ESC_RX1_DATA2 ESC_RX1_DATA3 HIGH ESC_RX1_D2 L19 ESC_RX1_D3	ESC_RX1_D2D ESC_RX1_D3	
CPIO15 D3		FSC LED LINKO ACTIVE F18 ESC_LED_LINKO_ACTI	IVF	
CDIA CIMO ET DODY CDI CIMO	CDIOSOL D15 X	ESC LED LINK1 ACTIVE F17 ESC_LED_LINK1_ACTI	IVE ESC_TXO_CLKD ESC_TXO_CLK	
CDIA COMIL EZ ADDV CDI COMI	CDIO91 A14 ACDIO2	FSC LED FRR E1/ ESC_LED_ERR	ESC_TXO_ENA CLOC_TXO_ENA	П
CDIA CI M LO TODO COI CI V		ECC LED DUN D18 ESC LED RUN	FSC TXO DO	
	GPI082 C14 C14 ×	GPI0147 D1/		
	BOOT_MODE_O R11BOOT_MODEO	ESC_PHYO_LINKSTATUS D14 ESC_PHYO_LINKSTATUS A13 OCPURS		
	GP1085 S11 X	D17 FCC 13C CD4	ESC_TX0_D3C ESC_TX0_D3	
	GPI086 C11 × GPI087 D11 ×	C47 FGC 120 GG1	ESC BAU CIK	
6PID2 K4 DENC1_CHI EQEP2_A K3 DENC2_CHA	CDIOGO C6 V	ESC_I2C_SCKCI3 ESC_I2C_SCL ESC_MDIO_CLKD13 ESC_MDIO_CLK		
EQEP2_A K3 QENC2_CHA EQEP2_B K2 QENC2_CHB	DENA EN DE PERM CRIO EN	ESC_MDIO_DATA A12 ESC_MDIO_DATA	ESC_RX0_ERRD ESC_RX0_ERRC ESC_RX0_DVD ESC_RX0_DV	
FOEDS II K1 GENES CIII		ECATO_INT B12 ECATO_INT	ESC BYO DO	
CD1007		FSC PHY RESETT C12 ESC_PHY_RESETT	ESC_RXO_DOD ESC_RXO_DID ESC_RXO_DID ESC_RXO_DID	
CD1020 V11 v	CDLOCOL A4	ESC_TXO_ENA D12 ESC_IXO_ENA		
GPI028 W11 ×	GP1092 GP1093 B4 × A3 × A3 ×	C10 FGC TVO DO	ESC_RX0_D3D ESC_RX0_D3	
GPI030 GPI031 U11 × GPI031	GP1094 B3 ×	ESC_TXO_DATA1 D10 ESC_TXO_D0 ESC_TXO_DATA1		
GPIU31 X	GPI095 ×		ESC_PHY_MDIO_CLK C ESC_MDIO_CLK	
	U1G	U1I		
TMS320F28388D U13 ×	TMS320F28388D C3 ×	TMS320F28388D B9 ESC_TX0_D2		
GPI032 013 × GPI033 113 ×		ESC_TXO_DATA3 C9 ESC_TXO_D3		
CD103/L U14 ~	CDIOOR F1	ESC RXO DV D9 ESC_RXO_DV		Н
DDV2 CCo 114 DDDV2 CDIO CCo	CDIOON G1 V	FSC RXO CLK AB ESC_RXO_CLK		
DDV2 FAILLTO V10 ADDV2 CDIO FAILLTO	CDIO400 H1 V	ESC_RXO_ERR B8 ESC_RXO_ERR	ESC_PHY1_LINKSTATUSD ESC_PHY1_LINKSTATUS	
DDV2 EN U10 B DDV2 CDIO EN	GPI0101 H2 ×	ESC_RX0_DATA0	ESC 13C SDA	
GPI038 T16	GPI0100 H2 × GPI0101 H3 ×	Ch ESC DVO DO	ESC_12C_SDA ESC_12C_SCLC_ESC_12C_SCL	
GPI039 W17 ×		D/: ECC DV0 D7	ESC_I2C_SCL	
GP1039 V17 × GP1041 U17 ×	GPI0104 J2 × GPI0104 J3 ×	ESC_RXO_DATA3 D4 ESC_RXO_D3	ECC LED LINKO ACTIVE	
USBODM D19 AUSBO N	0010406	Sheet: OMODRI_ANALOG	ESC_LED_LINKO_ACT C ESC_LED_LINKO_ACTIVE	
	CDIO107 L3 X	M1_la d M1_la	ESC_LED_LINKO_ACTO_ESC_LED_LINK1_ACTIVE_ ESC_LED_LINK1_ACTO_ESC_LED_LINK1_ACTIVE_ ESC_LED_ERRO_ESC_LED_ERR	
	CDIO108 L4 ×	M1_IbddM1_Ib	ESC_LED_ERRO ESC_LED_RUN	c
GPI045 K19 V	CDIO100 NZ X	M1_lc _ _ M1_lc		
GPI046 E19 ×	GPIO110 MZ	M1_Va	ECATO_INTD ECATO_INT	
GPIO47 ESC_PHY_CLK R16 ESC_PHY_CLK	GPI0111 M4 X	M1_Vbd—dM1_Vb	ECAT1_INTD ECAT1_INT	
FCITYA DO R17 DEGLEVA DO	CD10447 N4	M1_Vc		
	GPI0113 N3 × GPI0114 V12 GFSLRXC_D0 FSLRXC_D1 W10 GFSLRXC_D1	M2_la M2_la	COM_SPI_CLKD -D.COM_SPI_CLK SPI_CS2nD GPI0125_SPI_CS2_n	
	FSIRXC DO V12 OFSI RXC DO	M2_Ib		
	FSIRXC_D1 W10 GFSI_RXC_D1	M2_Ic	COM_SPI_CSnD_D COM_SPI_CSn	
CDIOEZ P1/V	FSIRXC_CLK U12 OFSI_RXC_CLK	M2_Va ← M2_Va	COM_SPI_SIMO D-D COM_SPI_SIMO COM_SPI_SOMI _d-d COM_SPI_SOMI	Ш
GPI053 P18 × GPI054 P19 × GPI055 P19 ×	FSIRXC_D1 —	M2_Vb — M2_Vb		
GPI055 N18 × GPI056 N18 ×		M2_Vc _________	File: OMODRI_ETHERCAT_CONNECT.sch	$\perp \mid$
		ANALOG_IN1 ANALOG_IN1		
	CDIO422 B V	ANALOG_IN2 — ANALOG_IN2		
SPIB_STEN M16 DCOM_SPI_CSn	CDIO123 U8 V			
SPIB_SIMO M1/ DCOM_SPI_SIMO	GPI0124 V8 X CRIPATAS CRIPAGE	M1_Vbus — M1_Vbus		
SPIB_SIMO	GPI0125 19 GPI0125_SPI_CS2_n	File: OMODRI_ANALOG.sch LAAS/CNRS		$\perp \mid \mid$
GPI062 GPI063 J16 ×	GPI0125 GPI0126 GPI0127 V9 × GPI0127	Sheet: /OMOD		
U GPIUOS X	GFIO12/	File: OMODRI_		الا
		Title: Oper	n MOtor DRiver Initiative (OMODRI)	
		Size: A4	Date: Rev: 1.0	71
		KiCad E.D.A.	kicad (5.1.6)-1 Id: 12/19	71
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