

C28345 Control Card [R1] DIMM 168 Pinout

Net Name	Pin	Number	Net Name
3V3_ISO	1	85	3V3_ISO
RX_ISO	2	86	TX_ISO
GND_ISO	3	87	GND_ISO
GND	4	88	GND
NC	5	89	NC
NC	6	90	NC
NC	7	91	NC
NC	8	92	NC
NC	9	93	NC
NC	10	94	NC
NC	11	95	NC
GND	12	96	GND
NC	13	97	NC
NC	14	98	NC
GPIO40/XA0	15	99	NC
GPIO41/XA1	16	100	NC
GPIO42/XA2	17	101	RESETn
5V	18	102	5V
GPIO43/XA3	19	103	EXTADCCLK
GPIO44/XA4	20	104	GND
GPIO45/XA5	21	105	EXTSOC1A
GPIO46/XA6	22	106	EXTSOC1B
GND	23	107	GND
GPIO47/XA7	24	108	EXTSOC2A
GPIO80/XA8	25	109	EXTSOC2B
5V	26	110	5V
GPIO81/XA9	27	111	EXTSOC3A
GPIO82/XA10	28	112	EXTSOC3B
GPIO83/XA11	29	113	GPIO0/EPWM1A
GPIO84/XA12	30	114	GPIO1/EPWM1B/ECAP6/MFSRB
GPIO85/XA13	31	115	GPIO2/EPWM2A
GND	32	116	GND
GPIO86/XA14	33	117	GPIO3/EPWM2B/ECAP5/MCLKRB
GPIO_87/XA15	34	118	GPIO4/EPWM3A
GPIO39/XA16	35	119	GPIO5/EPWM3B/MFSRA/ECAP1
GPIO31/CANTXA/XA17	36	120	GPIO6/EPWM4A/EPWMSYNCI/EPWMSYNCO
GPIO30/CANRXA/XA18	37	121	GPIO7/EPWM4B/MCLKRA/ECAP2
GPIO29/SCITXDA/XA19	38	122	GPIO8/EPWM5A/CANTXB/ADCSOCAOn
GPIO79/XD0	39	123	GPIO9/EPWM5B/SCITXDB/ECAP3
5V	40	124	5V
5V	41	125	5V
GPIO78/XD1	42	126	GPIO10/EPWM6A/CANRXB/ADCSOCBOn
GND	43	127	GND
GPIO77/XD2	44	128	GPIO11/EPWM6B/SCIRXDB/ECAP4
GPIO76/XD3	45	129	GPIO12/TZ1n/CANTXB/MDXB

Net Name	Pin	Number	Net Name
GPIO75/XD4	46	130	GPIO13/TZ2n/CANRXB/MDRB
GPIO74/XD5	47	131	GPIO16/SPISIMOA/CANTXB/TZ5n
GPIO73/XD6	48	132	GPIO17/SPISOMIA/CANRXB/TZ6n
5V	49	133	5V
GPIO72/XD7	50	134	GPIO18/SPICLKA/SCITXDB/CANRXA
GPIO71/XD8	51	135	GPIO19/SPISTEA/SCIRXDB/CANTXA
GPIO70/XD9	52	136	GPIO20/EQEP1A/MDXA/CANTXB
GPIO69/XD10	53	137	GPIO21/EQEP1B/MDRA/CANRXB
GND	54	138	GND
GPIO68/XD11	55	139	GPIO22/EQEP1S/MCLKXA/SCITXDB
GPIO67/XD12	56	140	GPIO23/EQEP1I/MFSXA/SCIRXDB
GPIO66/XD13	57	141	GPIO24/ECAP1/EQEP2A/MDXB
GPIO65/XD14	58	142	GPIO25/ECAP2/EQEP2B/MDRB
5V	59	143	5V
GPIO64/XD15	60	144	GPIO26/ECAP3/EQEP2I/MCLKXB
GPIO63/SCITXDC/XD16/EPWM9B	61	145	GPIO27/ECAP4/EQEP2S/MFSXB
GPIO62/SCIRXDC/XD17/EPWM9A	62	146	GPIO32/SDAA/EPWMSYNCl /ADCSOCAOn
GPIO61/MFSRB/XD18/EPWM8B	63	147	GPIO33/SCLA/EPWMSYNCO/ADCSOCBOn
GND	64	148	GND
GPIO60/MCLKRB/XD19/EPWM8A	65	149	XCLKIN
GPIO59/MFSRA/XD20/EPWM7B	66	150	GPIO14/TZ3n/XHOLDn/SCITXDB/MCLKXB
GPIO58/MCLKRA/XD21/EPWM7A	67	151	GPIO15/TZ4n/XHOLDAn/SCIRXDB/MFSXB
GND	68	152	GND
GPIO57/SPISTEA/XD22 /EQEP3I	69	153	GPIO35/SCITXDA/XRNW
GPIO56/SPICLKA/XD23/EQEP3S	70	154	GPIO36/SCIRXDA/XZCS0n
GPIO55/SPISOMIA/XD24 /EQEP3B	71	155	GPIO34/ECAP1/XREADY
GPIO54/SPISIMOA/XD25/EQEP3A	72	156	GPIO28/SCIRXDA/XZCS6n
5V	73	157	5V
GPIO53/EQEP1I/XD26	74	158	GPIO37/ECAP2/XZCS7n
GPIO52/EQEP1S /XD27	75	159	GPIO38/XWE0n
GPIO51/EQEP1B/XD28/SPISTED	76	160	XRSn
GPIO50/EQEP1A/XD29/SPICLKD	77	161	XWE1n
GPIO49/ECAP6/XD30/SPISOMID	78	162	GND
GPIO48/ECAP5/XD31/SPISIMOD	79	163	XCLKOUT
GND	80	164	TDI
TCK	81	165	TDO
TMS	82	166	TRSTn
EMU1	83	167	EMU0
5V	84	168	5V