



		IDQ00	AJ8
		IDQ01	AH8
		IDQ02	AH5
			AJ4
A10	NC_75	MDQ03	AJ9
B9	NC_53	MDQ04	AH9
B6	NC_52	MDQ05	AH6
A5	NC_51	MDQ06	AJ5
A11	NC_50	MDQ07	AJ6
B10	NC_49	MDQS00	AJ7
B7	NC_48	MDQS_00	AH7
A6	NC_47	MDM00	
D8	NC_46		AF8
E8	NC_45	MDQ08	AE8
E5	NC_44	MDQ09	AF5
C4	NC_43	MDQ10	AG4
E9	NC_42	MDQ11	AG9
D9	NC_41	MDQ12	AF9
E6	NC_40	MDQ13	AE6
C5	NC_39	MDQ14	AE5
A3	NC_38	MDQ15	AF6
B3	NC_37	MDQS01	AF7
D2	NC_36	MDQS_01	AE7
D1	NC_35	MDM01	
A4	NC_34		AH3
B4	NC_33	MDQ16	AH2
C3	NC_32	MDQ17	AE1
C1	NC_31	MDQ18	AE2
E1	NC_30	MDQ19	AH4
F2	NC_29	MDQ20	AJ3
H4	NC_28	MDQ21	AF2
H5	NC_27	MDQ22	AF1
E4	NC_26	MDQ23	AG2
E2	NC_25	MDQS02	AG1
G3	NC_24	MDQS_02	AH1
G4	NC_23	MDM02	
F3	NC_22		AD4
F4	NC_61	MDQ24	AC4
B2	NC_65	MDQ25	Y5
B1	NC_62	MDQ26	W5
D7	NC_66	MDQ27	AF3
D6	NC_63	MDQ28	AE4
A9	NC_67	MDQ29	AB5
A8	NC_64	MDQ30	Y4
G1	NC_68	MDQ31	AB3
C2	NC_57	MDQS03	AB4
F8	NC_58	MDQS_03	AC1
A7	NC_59	MDM03	
J1	NC_60		AD2
G2	NC_69	MECC00	AC2
U6	NC_70	MECC01	W1
V2	NC_71	MECC02	V3
J4	NC_72	MECC03	AB2
F1	NC_77	MECC04	AD1
AE10	NC_78	MECC05	Y1
AF10	NC_5	MECC06	V6
E13	NC_6	MECC07	AA1
E14	NC_10	MDQS08	AB1
W6	NC_9	MDQS_08	AA4
Y14	NC_15	MDM08	
Y15	NC_2		L6
Y16	NC_3	MA00	M2
AF26	NC_4	MA01	M1
AE26	NC_83	MA02	M5
AA25	NC_82	MA03	N1
AG29	NC_85	MA04	P1
AA26	NC_84	MA05	N4
AA24	NC_87	MA06	P3
AG28	NC_88	MA07	P2
AD27	NC_89	MA08	R1
AB26	NC_90	MA09	K6
AC26	NC_91	MA10	R4
AD26	NC_92	MA11	T5
AB27	NC_93	MA12	J5
AD28	NC_94	MA13	T3
AF29	NC_95	MA14	U4
AF28	NC_96	MA15	
AD29	NC_97		K5
AE28	NC_98	MBA00	L5
AC29	NC_99	MBA01	T4
Y24	NC_100	MBA02	
	NC_86		J2
		MCS_00	J6
		MCS_01	U5
		MCKE00	V1
		MCKE01	H1
		MODT00	H6
		MODT01	
		MWE	K2
		MRAS	K1
		MCAS	J3
			U2
		MCK00	U1
		MCK_00	
			AD8
		MCK01	AD7
		MCK_01	
			D4
		MCK02	D5
		MCK_02	
			T2
		MCK03	T1
		MCK_03	
			C10
		MDIC00	F10
		MDIC01	
			R5
		MAPAR_OUT	N5
		MAPAR_ERR	
			R6
		MVREF	

DDR2 / 3 CONTROLLER

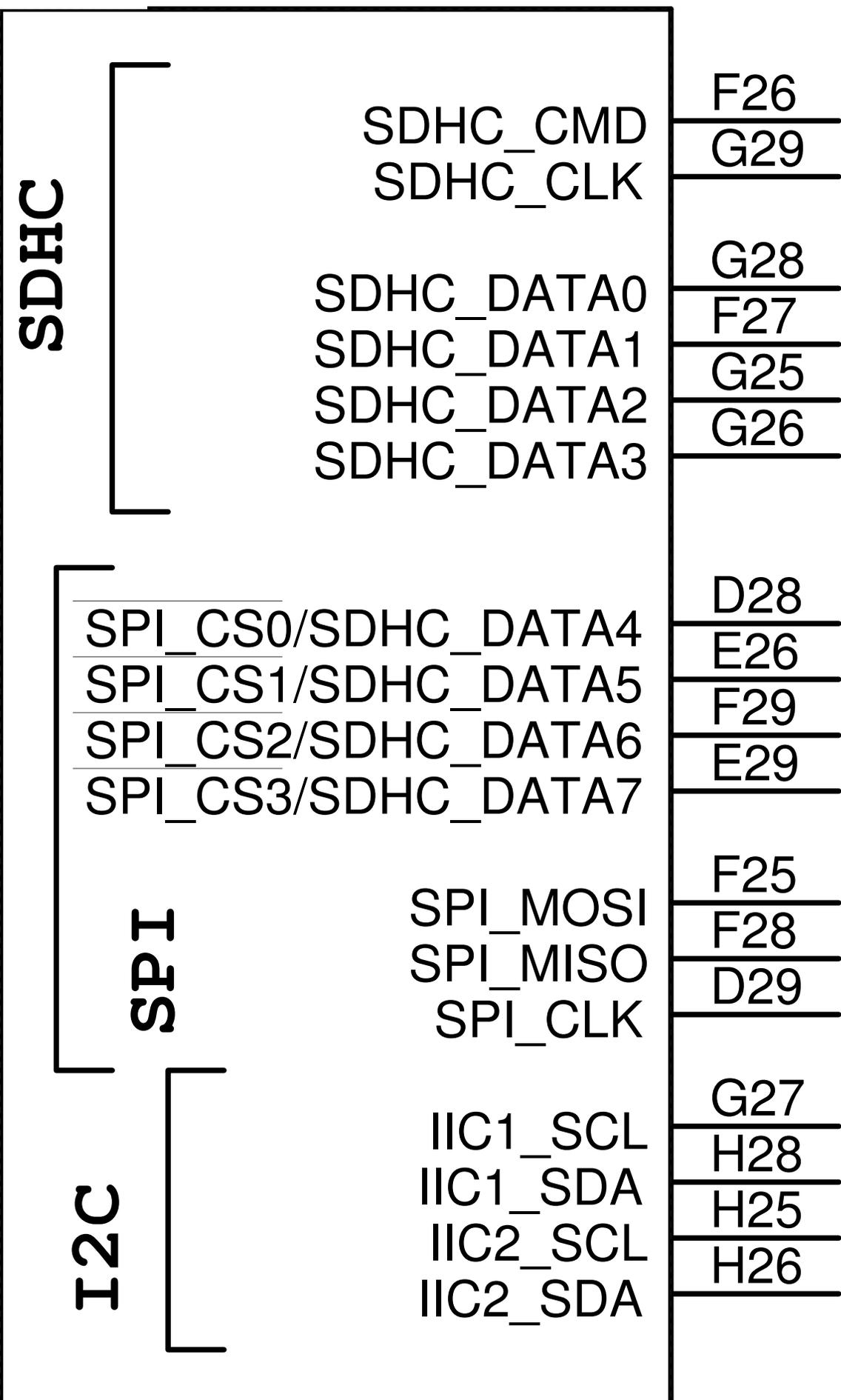


## LOCAL BUS/QE

LAD00/USB2_D07	B18
LAD01/USB2_D06	E20
LAD02/USB2_D05	A19
LAD03/USB2_D04	B20
LAD04/USB2_D03	D19
LAD05/USB2_D02	A18
LAD06/USB2_D01	B17
LAD07/USB2_D00	C20
LAD08/USB2_NXT	F19
LAD09/USB2_DIR	E10
LAD10/USB2_STP	B16
LAD11/USB2_PWRFAULT	D14
LAD12/USB2_CLK	D17
LAD13/USB2_PCTL0	E11
LAD14/USB2_PCTL1	A16
LAD15	C15
LA16	B21
LA17	A22
LA18	C21
LA19	F21
LA20	E12
LA21	A21
LA22	D11
LA23	E22
LA24	F20
LA25	E21
LA26	B22
LA27	F18
LA28	A23
LA29	B23
LA30	C23
LA31	D23
LCS_00	D20
LCS_01	A12
LCS_02	E19
LCS_03	D21
LCS_04	F11
LCS_05	D15
LCS_06	D13
LCS_07	A17
LWE_00	F12
LWE_01	D12
LBCTL	E17
LALE	C17
LGPL0	B12
LGPL1	C13
LGPL2	A20
LGPL3	D10
LGPL4	B13
LGPL5	C19
LDP00	E18
LDP01	B19
LCLK00	B15
LCLK01	A15
NC_80	A13
NC_81	A14

**SERDES X4**

	SD_TX_0	AD12
	SD_TX_0	AE12
	SD_TX_1	AE13
	SD_TX_1	AF13
	SD_TX_2	AE17
	SD_TX_2	AF17
	SD_TX_3	AD18
	SD_TX_3	AE18
	SD_RX_0	AH12
	SD_RX_0	AJ12
	SD_RX_1	AH14
	SD_RX_1	AJ14
	SD_RX_2	AH16
	SD_RX_2	AJ16
	SD_RX_3	AH18
	SD_RX_3	AJ18
	SD_REF_CLK	AG15
	SD_REF_CLK	AF15
	SD_PLL_TPA	AD16
	SD_PLL_TPD	AE15
	SD_IMP_CAL_RX	AG11
	SD_IMP_CAL_TX	AF19



	TSEC1_TXD00	AD24
	TSEC1_TXD01	AE25
	TSEC1_TXD02	AH28
	TSEC1_TXD03	AJ25
	TSEC1_TX_EN	AH24
	TSEC1_TX_ER	AF23
	TSEC1_TX_CLK/TSEC1_GTX_CLK125	AJ24
	TSEC1_GTX_CLK	AG25
<b>eTSEC1</b>	TSEC1_RXD00	AH25
	TSEC1_RXD01	AD21
	TSEC1_RXD02	AE22
	TSEC1_RXD03	AJ28
	TSEC1_RX_DV	AJ26
	TSEC1_RX_ER	AH23
	TSEC1_RX_CLK	AG26
<b>eTSEC3</b>	TSEC1_TXD04/TSEC3_TXD00	AE21
	TSEC1_TXD05/TSEC3_TXD01	AD23
	TSEC1_TXD06/TSEC3_TXD02	AD22
	TSEC1_TXD07/TSEC3_TXD03	AF22
	TSEC3_TX_EN	AB24
	TSEC3_TX_CLK	AE27
	TSEC3_GTX_CLK	AB25
	TSEC1_RXD04/TSEC3_RXD00	AE24
	TSEC1_RXD05/TSEC3_RXD01	AJ23
	TSEC1_RXD06/TSEC3_RXD02	AH22
	TSEC1_RXD07/TSEC3_RXD03	AG23
	TSEC1_CRS/TSEC3_RX_DV	AJ27
	TSEC3_RX_ER	AD25
	TSEC1_COL/TSEC3_RX_CLK	AH26
(TSEC3) EC_GTX_CLK125	AF24	
<b>MANAGEMENT</b>	EC_MDC	AD20
	EC_MDIO	AJ21
<b>IEEE1588</b>	TSEC_1588_ALARM_OUT1	AE20
	TSEC_1588_ALARM_OUT2	AJ20
	TSEC_1588_PULSE_OUT1	AH21
	TSEC_1588_PULSE_OUT2	AJ22
	TSEC_1588_CLK_OUT	AG22
	TSEC_1588_TRIG_IN1	AH20
	TSEC_1588_TRIG_IN2	AG20
	TSEC_1588_CLK_IN	AG21

# USB

USB_D00	C26
USB_D01	A26
USB_D02	A27
USB_D03	D26
USB_D04	B25
USB_D05	B28
USB_D06	C25
USB_D07	C28
USB_DIR	A28
USB_STP	B29
USB_NXT	B26
USB_CLK	D27
USB_PWRFAULT	C29

# DUART

UART_SIN00	H29
UART_SOUT00	J26
UART_CTS_00	J28
UART_RTS_00	J29
UART_SIN01	G24
UART_SOUT01	J25
UART_CTS_01	H24
UART_RTS_01	J24

<Value>



SYSTEM CONTROL & I/Os

SCAN_MODE	W27
TEST_SEL	AA28
NC_20	E16
NC_21	E15
TRIG_IN	AB28
TRIG_OUT	U28
MSRCID00/LB_MSRCID00/PLL_PER_OUT00	P28
MSRCID01/LB_MSRCID01/PLL_PER_OUT01	R27
MSRCID02/LB_MSRCID02/PLL_PER_OUT02	P27
MSRCID03/LB_MSRCID03/PLL_PER_OUT03	P26
MSRCID04/LB_MSRCID04/PLL_UP_DN	N26
MDVAL/LB_MDVAL/PLL_PER_VALID	M24
DMA1_DREQ_00	Y28
DMA1_DACK_00	T28
DMA1_DDONE_00	T26
NC_101	W28
CFG_MEM_DEBUG	T29
CFG_DDR_DEBUG	Y29
IRQ00	L24
IRQ01	K26
IRQ02	K29
IRQ03	N25
IRQ04	L26
IRQ05	L29
IRQ06/TDM_RX_CLK	K27
IRQ_OUT	N29
GPIO00/IRQ07/TDM_TX_DATA	R28
GPIO01/IRQ08/TDM_TFS	R26
GPIO02/IRQ09/TDM_TX_CLK	P29
GPIO03/IRQ10/TDM_RFS	N24
GPIO04/IRQ11/TDM_RX_DATA	U29
GPIO05	R24
GPIO06	R29
GPIO07	R25
GPIO08/SDHC_CD	F22
GPIO09/SDHC_WP	A24
GPIO10/USB_PCTL0	A25
GPIO11/USB_PCTL1	D24
GPIO12	F23
GPIO13	E23
GPIO14	F24
GPIO15	E24
LVDD_VSEL	M28
BVDD_VSEL0	M29
BVDD_VSEL1	M27
CVDD_VSEL0	L28
CVDD_VSEL1	L27
MCP0	AA27
MCP1	M25
UDE0	J27
UDE1	K28
TDI	T25
TDO	V28
TCK	V29
TMS	U26
TRST	V26
CKSTP_IN0	AA29
CKSTP_IN1	AB29
CKSTP_OUT0	V25
CKSTP_OUT1	Y27
HRESET	W25
HRESET_REQ	U24
SRESET	W24
SYSCLK	W29
DDRCLK	AC9
RTC	K24
CLK_OUT	T24
ASLEEP	U25
READY_P1	W26
CFG_DRAM_TYPE	AF27
CFG_IO_PORTS3	AE29



K17	VDD02	AVDD_CORE1	F15
K18	VDD03	AVDD_CORE0	F16
K19	VDD04	AVDD_PLAT	V24
K20	VDD05	AVDD_DDR	Y10
L20	VDD06	AVDD_SRDS	AD14
M20	VDD07	NC_102	F14
N10	VDD08		
N20	VDD09	SVDD_SRDS01	AG16
P10	VDD10	SVDD_SRDS02	AH13
P20	VDD11	SVDD_SRDS03	AH17
R10	VDD12	SVDD_SRDS04	AJ11
R20	VDD13	SVDD_SRDS05	AJ15
T10	VDD14	SVDD_SRDS06	AJ19
T20	VDD15		
U10	VDD16	XVDD_SRDS1	AD13
U20	VDD17	XVDD_SRDS2	AD17
V10	VDD18	XVDD_SRDS3	AE11
V20	VDD19	XVDD_SRDS4	AE19
W10	VDD20	XVDD_SRDS5	AF14
W20	VDD21	XVDD_SRDS6	AF16
Y11	VDD22		
Y12	VDD23	GVDD01	A2
Y18	VDD24	GVDD02	B8
Y19	VDD25	GVDD03	B11
Y20	VDD26	GVDD04	C7
	VDD27	GVDD05	C9
K14	VDD05	GVDD06	D3
K13	VDD04	GVDD07	E7
K10	VDD01	GVDD08	F9
K11	VDD02	GVDD09	G10
K12	VDD03	GVDD10	H2
L10	VDD06	GVDD11	K3
M10	VDD07	GVDD12	K7
		GVDD13	L2
		GVDD14	L3
		GVDD15	L4
		GVDD16	N3
F13	NC_103	GVDD17	N6
G6	NC_1	GVDD18	P4
		GVDD19	R2
K23	OVDD1	GVDD20	U3
L25	OVDD2	GVDD21	V5
N27	OVDD3	GVDD22	W3
P25	OVDD4	GVDD23	Y2
U27	OVDD5	GVDD24	AA2
Y26	OVDD6	GVDD25	AA3
		GVDD26	AA5
B24	BVDD01	GVDD27	AA7
C12	BVDD02	GVDD28	AB6
C14	BVDD03	GVDD29	AD5
C16	BVDD04	GVDD30	AD9
C22	BVDD05	GVDD31	AE3
D18	BVDD06	GVDD32	AF4
G20	BVDD07	GVDD33	AG6
		GVDD34	AG8
Y23	LVDD1	GVDD35	AJ2
AC21	LVDD2		
AC25	LVDD3	CVDD01	C27
AC27	LVDD4	CVDD02	E25
AE23	LVDD5	CVDD03	E27
AF21	LVDD6		
AF25	LVDD7	GND147	AH10
AH27	LVDD8		
AH29	LVDD9	GND148	AD10
		GND149	AJ10

VDDC (CORE1)

VDD (CORE2)



A29	GND01
B5	GND02
B14	GND03
B27	GND04
C6	GND05
C8	GND06
C11	GND07
C18	GND08
C24	GND09
D16	GND10
D22	GND11
D25	GND12
E3	GND13
E28	GND14
F7	GND15
G5	GND16
G9	GND17
G21	GND18
H3	GND19
H27	GND20
J7	GND21
J23	GND22
K4	GND23
K25	GND24
L1	GND25
L11	GND26
L12	GND27
L13	GND28
L14	GND29
L15	GND30
L16	GND31
L17	GND32
L18	GND33
L19	GND34
M3	GND35
M4	GND36
M6	GND37
M11	GND38
M12	GND39
M13	GND40
M14	GND41
M15	GND42
M16	GND43
M17	GND44
M18	GND45
M19	GND46
M26	GND47
N2	GND48
N11	GND49
N12	GND50
N13	GND51
N14	GND52
N15	GND53
N16	GND54
N17	GND55
N18	GND56
N19	GND57
N28	GND58
P5	GND59
P11	GND60
P12	GND61
P13	GND62
P14	GND63
P15	GND64
P16	GND65
P17	GND66
P18	GND67
P19	GND68
P24	GND69
R3	GND70
R11	GND71
R12	GND72
	GND73
	SGND_SRDS1
	SGND_SRDS2
	SGND_SRDS3
	SGND_SRDS4
	SGND_SRDS5
	SGND_SRDS6
	SGND_SRDS7
	SGND_SRDS8
	SGND_SRDS9
	SGND_SRDS10
	SGND_SRDS11
	XGND_SRDS1
	XGND_SRDS2
	XGND_SRDS3
	XGND_SRDS4
	XGND_SRDS5
	XGND_SRDS6
	XGND_SRDS7
	XGND_SRDS8
	NC_104
	AGND_SRDS

GND74	R13
GND75	R14
GND76	R15
GND77	R16
GND78	R17
GND79	R18
GND80	R19
GND81	T6
GND82	T11
GND83	T12
GND84	T13
GND85	T14
GND86	T15
GND87	T16
GND88	T17
GND89	T18
GND90	T19
GND91	T27
GND92	U11
GND93	U12
GND94	U13
GND95	U14
GND96	U15
GND97	U16
GND98	U17
GND99	U18
GND100	U19
GND101	V4
GND102	V11
GND103	V12
GND104	V13
GND105	V14
GND106	V15
GND107	V16
GND108	V17
GND109	V18
GND110	V19
GND111	V27
GND112	W2
GND113	W4
GND114	W11
GND115	W12
GND116	W13
GND117	W14
GND118	W15
GND119	W16
GND120	W17
GND121	W18
GND122	W19
GND123	Y3
GND124	Y6
GND125	Y7
GND126	Y13
GND127	Y17
GND128	Y25
GND129	AA6
GND130	AA23
GND131	AC3
GND132	AC10
GND133	AC20
GND134	AC24
GND135	AC28
GND136	AD3
GND137	AD6
GND138	AE9
GND139	AF20
GND140	AG3
GND141	AG5
GND142	AG7
GND143	AG24
GND144	AG27
GND145	AJ1
GND146	AJ29
GND00	F17

AG12 AG17 AG18 AG19 AH11 AH15 AH19 AJ13 AJ17 AG13 AG14 AD11 AD19 AE14 AE16 AF11 AF12 AF18 AG10 P6 AD15 <Value>