

IC7004 XC2VP7FF896		GOL_LVDS 8C_LVDS T		GOL_LVDS 8C_LVDS T		GOL_LVDS 8C_LVDS S		GOL_LVDS 8C_LVDS S		DP_GOL_RX4A		DP_GOL_RX4A		DP_GOL_TX4A		DP_GOL_TX4A														
B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30	
VCCAUX	GND	VRP_2	AVCCAUXK9	VTRXPAD9	AVCCAUXK9	VTRXPAD9				AVCCAUXK7	VTRXPAD7	AVCCAUXK7	VTRXPAD7		GOL_Xclk	AVCCAUXK6	VTRXPAD6	AVCCAUXK6	VTRXPAD6		VTRXPAD6	LEDB(0)	AVCCAUXK4	VTRXPAD4	AVCCAUXK4	VTRXPAD4	VRN_7	GND	VCCAUX	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	
GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	
D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D20	D21	D22	D23	D24	D25	D26	D27	D28	D29	D30	
GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	
E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28	E29	E30	
GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	
F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	
GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	
G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13	G14	G15	G16	G17	G18	G19	G20	G21	G22	G23	G24	G25	G26	G27	G28	G29	G30	
GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	
H1	H2	H3	H4	H5	H6	H7	H8	H9	H10	H11	H12	H13	H14	H15	H16	H17	H18	H19	H20	H21	H22	H23	H24	H25	H26	H27	H28	H29	H30	
GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	
I1	I2	I3	I4	I5	I6	I7	I8	I9	I10	I11	I12	I13	I14	I15	I16	I17	I18	I19	I20	I21	I22	I23	I24	I25	I26	I27	I28	I29	I30	
GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	
J1	J2	J3	J4	J5	J6	J7	J8	J9	J10	J11	J12	J13	J14	J15	J16	J17	J18	J19	J20	J21	J22	J23	J24	J25	J26	J27	J28	J29	J30	
GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	
K1	K2	K3	K4	K5	K6	K7	K8	K9	K10	K11	K12	K13	K14	K15	K16	K17	K18	K19	K20	K21	K22	K23	K24	K25	K26	K27	K28	K29	K30	
GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	
L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	L16	L17	L18	L19	L20	L21	L22	L23	L24	L25	L26	L27	L28	L29	L30	
GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	
M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26	M27	M28	M29	M30	
GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	
N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18	N19	N20	N21	N22	N23	N24	N25	N26	N27	N28	N29	N30	
GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	
P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25	P26	P27	P28	P29	P30	
GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20	Q21	Q22	Q23	Q24	Q25	Q26	Q27	Q28	Q29	Q30	
GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	R16	R17	R18	R19	R20	R21	R22	R23	R24	R25	R26	R27	R28	R29	R30	
VCCAUX	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	
T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25	T26	T27	T28	T29	T30	
VCCAUX	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	
U1	U2	U3	U4	U5	U6	U7	U8	U9	U10	U11	U12	U13	U14	U15	U16	U17	U18	U19	U20	U21	U22	U23	U24	U25	U26	U27	U28	U29	U30	
GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	
V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11	V12	V13	V14	V15	V16	V17	V18	V19	V20	V21	V22	V23	V24	V25	V26	V27	V28	V29	V30	
A21_select	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	
W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25	W26	W27	W28	W29	W30	
MS0_n	MS0_n	MS1_n	MS2_n	MS3_n	MS3_n	MS3_n	MS3_n	MS3_n	MS3_n	MS3_n	MS3_n	MS3_n	MS3_n	MS3_n	MS3_n	MS3_n	MS3_n	MS3_n	MS3_n	MS3_n	MS3_n	MS3_n	MS3_n	MS3_n	MS3_n	MS3_n	MS3_n	MS3_n	MS3_n	
Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	Y16	Y17	Y18	Y19	Y20	Y21	Y22	Y23	Y24	Y25	Y26	Y27	Y28	Y29	Y30	
Adr(17)	Adr(18)	GND	Adr(19)	Adr(20)	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	
AA1	AA2	AA3	AA4	AA5	AA6	AA7	AA8	AA9	AA10	AA11	AA12	AA13	AA14	AA15	AA16	AA17	AA18	AA19	AA20	AA21	AA22	AA23	AA24	AA25	AA26	AA27	AA28	AA29	AA30	
Adr(13)	Adr(12)	Adr(13)	Adr(14)	Adr(15)	Adr(16)	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	
AB1	AB2	AB3	AB4	AB5	AB6	AB7	AB8	AB9	AB10	AB11	AB12	AB13	AB14	AB15	AB16	AB17	AB18	AB19	AB20	AB21	AB22	AB23	AB24	AB25	AB26	AB27	AB28	AB29	AB30	
Adr(7)	Adr(8)	Adr(9)	Adr(10)	VCCO_4	VCCO_4	VCCO_4	VCCO_4	VCCO_4	VCCO_4	VCCO_4	VCCO_4	VCCO_4	VCCO_4	VCCO_4	VCCO_4	VCCO_4	VCCO_4	VCCO_4	VCCO_4	VCCO_4	VCCO_4	VCCO_4	VCCO_4	VCCO_4	VCCO_4	VCCO_4	VCCO_4	VCCO_4	VCCO_4	
AC1	AC2	AC3	AC4	AC5	AC6	AC7	AC8	AC9	AC10	AC11	AC12	AC13	AC14	AC15	AC16	AC17	AC18	AC19	AC20	AC21	AC22	AC23	AC24	AC25	AC26	AC27	AC28	AC29	AC30	
GND	Adr(4)	Adr(5)	Adr(6)	GND	GND	CCLK	DONE	D0	Data(16)	Data(11)	Data(9)	Data(8)	Data(7)	Data(1)	Data(2)	IRQ0_n	Data(2)	IRQ0_n	TestCon(6)	TestCon(9)	TestCon(10)	AD0	M2	M1	AC25	AC26	AC27	AC28	AC29	
AD1	AD2	AD3	AD4	AD5	AD6	AD7	AD8	AD9	AD10	AD11	AD12	AD13	AD14	AD15	AD16	AD17	AD18	AD19	AD20	AD21	AD22	AD23	AD24	AD25	AD26	AD27	AD28	AD29	AD30	
GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	
AE1	AE2	AE3	AE4	AE5	AE6	AE7	AE8	AE9	AE10	AE11	AE12	AE13	AE14	AE15	AE16	AE17	AE18	AE19	AE20	AE21	AE22	AE23	AE24	AE25	AE26	AE27	AE28	AE29	AE30	
GND	GND	GND	GND	GND	GND	Data(25)	Data(24)	Data(20)	Data(14)	Data(11)	Data(8)	GND	Data(6)	Data(0)	Empty	GND	GND	TestCon(11)	TestCon(12)	TestCon(13)	D6	M6	SDRAM_DQ(9)	SDRAM_DQ(8)	AE27	AE28	AE29	AE30		
AF1	AF2	AF3	AF4	AF5	AF6	AF7	AF8	AF9	AF10	AF11	AF12	AF13	AF14	AF15	AF16	AF17	AF18	AF19	AF20	AF21	AF22	AF23	AF24	AF25	AF26	AF27	AF28	AF29	AF30	
GND	GND	GND	GND	GND	GND	INIT_B	Data(23)	Data(19)	Data(13)	GND	GND	GND	Data(5)	SDRAM_CLKIn	SDRAM_CLK	GND	GND	GND	GND	GND	GND	TTC_n(7)	TTC_n(6)	TTC_n(4)	EDWR_B	AF25	AF26	AF27	AF28	
AG1	AG2	AG3	AG4	AG5	AG6	AG7	AG8	AG9	AG10	AG11	AG12	AG13	AG14	AG15	AG16	AG17	AG18	AG19	AG20	AG21	AG22	AG23	AG24	AG25	AG26	AG27	AG28	AG29	AG30	
Data(30)	Data(31)	Adr(0)	GND	Adr(1)	DOU7	D2	VRP_4	GND	Data(12)	GND	GND	Data(4)	ShareWr_n	LHC_Clk	ChaBusy	GND	GND	GND	GND	GND	GND	TTC_n(5)	VRN_5	D5	CS_B	SDRAM_DQ(13)	GND	SDRAM_DQ(12)	SDRAM_DQ(11)	SDRAM_DQ(10)
AH1	AH2	AH3	AH4	AH5	AH6	AH7	AH8	AH9	AH10	AH11	AH12	AH13	AH14	AH15	AH16	AH17	AH18	AH19	AH20	AH21	AH22	AH23	AH24	AH25	AH26	AH27	AH28	AH29	AH30	
Data(26)	Data(27)	GND	Data(28)	Data(29)	GND	D3	VRN_4	Data(