IC529
XC2VP20FF896

	A2 VCCAUX	A3 VRP_2	A4 RXN_2A	A5 RXP_2A	A6 TXP_2A	A7 TXN_2A	A8 Busy_2A	A9 GND	A10 0	A11 RXN_2B	A12 RXP_2B	A13 TXP_2B	A14 TXN_2B	A15 VCCAUX	A16 VCCAUX	A17 RXN_1A	A18 RXP_1A	A19 TXP_1A	A20 TXN_1A	A21 0	A22 GND	A23 Busy_1B	A24 RXN_1B	A25 RXP_1B	A26 TXP_1B	A27 TXN_1B	A28 VRP_7	A29 VCCAUX	
B1 VCCAUX	B2 GND	B3 VRN_2	B4 AVCCAUXRX9	B5 VTRXPAD9	B6 AVCCAUXTX9	B7 VTTXPAD9	B8 LocalBAR(0)	B9 0	B10 0	B11 AVCCAUXRX7	B12 VTRXPAD7	B13 AVCCAUXTX7	B14 VTTXPAD7	B15 Rst_n	B16 Rocket_XC1k	B17 AVCCAUXRX6	B18 VTRXPAD6	B19 AVCCAUXTX6	B20 VTTXPAD6	B21 0	B22 0	B23 VME_D(8)	B24 AVCCAUXRX4	B25 VTRXPAD4	B26 AVCCAUXTX4	B27 VTTXPAD4	B28 VRN_7	B29 GND	B30 VCCAUX
C1 Module_En	C2 SYSFAIL_En	C3 GND	C4 LEDs(0)	C5 LEDs(1)	C6 GNDA9	C7 0	C8 LocalBAR(1)	C9 0	C10 0	C11 0	C12 GNDA7	C13 Busy_2B	C14 GND	C15 0	C16 0	C17 GND	C18 Busy_1A	C19 GNDA6	C20 0	C21 0	C22 0	C23 VME_D(9)	C24 VME_D(0)	C25 GNDA4	C26 Spare_1A(3)	C27 Spare_1A(2)	C28 GND	C29 Spare_1A(1)	C30 Spare_1A(0)
D1 0	D2 0	D3 LEDs(2)	D4 GND	D5 LEDs(3)	D6 0	D7 0	D8 LocalBAR(2)	D9 GND	D10 IRQ0a_n	D11 IRQ1a_n	D12 GND	D13 IRQ2a_n	D14 CSa_n	D15 FLAG0a	D16 VME_D(4)	D17 VME_D(12)	D18 VME_D(3)	D19 GND	D20 VME_D(11)	D21 VME_D(2)	D22 GND	D23 VME_D(10)	D24 VME_D(1)	D25 DXN	D26 0	D27 GND	D28 Spare_1A(4)	D29 0	D30 0
E1 0	E2 0	E3 0	E4 0	E5 GND	E6 VRN_1	E7 VRP_1	E8 LocalBAR(3)	E9 Spare_2A(0)	E10 Spare_2B(4)	E11 Spare_2B(1)	E12 0	E13 0	E14 Redy_a	E15 FLAG1a	E16 VME_D(7)	E17 VME_D(15)	E18 0	E19 0	E20 VME_D(6)	E21 VME_D(14)	E22 VME_D(5)	E23 VME_D(13)	E24 VRN_0	E25 VRP_0	E26 GND	E27 0	E28 0	E29 0	E30 0
F1 0	F2 0	F3 0	F4 0	F5 TDO	F6 GND	F7 0	F8 LocalBAR(4)	F9 Spare_2A(1)	F10 0	F11 0	F12 0	F13 GND	F14 0	F15 SharcRd_n	F16 0	F17 0	F18 GND	F19 0	F20 0	F21 LWORD_n	F22 DS0_n	F23 DS1_n	F24 BERR_n	F25 GND	F26 TDI	F27 0	F28 0	F29 0	F30 0
G1 0	G2 0	G3 0	G4 0	G5 ASP_Con_n	G6 DS2401	G7 TCK	G8 Spare_2A(4)	G9 Spare_2A(2)	G10 0	G11 Spare_2B(2)	G12 RstSharcD_n	G13 0	G14 0	G15 SharcWr_n	G16 AS_n	G17 SMBData	G18 T_Alert_n	G19 RstSharcC_n	G20 AM10_Rst_n	G21 DTACK_OE_n	G22 DTACK_n	G23 WRITE_n	G24 PROG_B	G25 0	G26 0	G27 0	G28 0	G29 0	G30 0
H1 GND	H2 Spare_3B(0)	H3 0	H4 0	H5 0	H6 0	H7 VBATT	H8 TMS	H9 Spare_2A(3)	H10 0	H11 Spare_2B(3)	H12 Spare_2B(0)	H13 0	H14 0	H15 FLAG2a	H16 SWDEN_n	H17 0	H18 SMBC1k	H19 LEAB_n	H20 DENO_n	H21 DENIN1_n	H22 DENIN0_n	H23 HSWAP_EN	H24 DXP	H25 0	H26 0	H27 0	H28 0	H29 0	H30 GND
I1 0	I2 0	J3 Spare_3B(4)	J4 Spare_3B(3)	J5 0	J6 0	J7 Spare_3B(2)	J8 Spare_3B(1)	J9 VCCO_2	J10 VCCO_1	J11 VCCO_1	J12 VCCO_1	J13 VCCO_1	J14 0	J15 FLAG3a	J16 R_W_n	J17 0	J18 VCCO_0	J19 VCCO_0	J20 VCCO_0	J21 VCCO_0	J22 VCCO_7	J23 Spare_1B(1)	J24 Spare_1B(2)	J25 0	J26 0	J27 Spare_1B(3)	J28 Spare_1B(4)	J29 0	J30 0
K1 Spare_3A(3)	K2 Spare_3A(2)	K3 Spare_3A(1)	K4 Spare_3A(0)	K5 0	K6 0	K7 0	K8 0	K9 VCCO_2	K10 VCCO_1	K11 VCCO_1	K12 VCCO_1	K13 VCCO_1	K14 VCCO_1	K15 VCCO_1	K16 VCCO_0	K17 VCCO_0	K18 VCCO_0	K19 VCCO_0	K20 VCCO_0	K21 VCCO_0	K22 VCCO_7	K23 IACKIN_n	K24 GA_n(4)	K25 GA_n(3)	K26 GA_n(2)	K27 GA_n(1)	K28 GA_n(0)	K29 GAP_n	K30 Spare_1B(0)
L1 HBR_n	L2 HBG_n	L3 GND	L4 0	L5 Spare_3A(4)	L6 GND	L7 0	L8 0	L9 VCCO_2	L10 VCCO_2	L11 GND	L12 VCCINT	L13 VCCINT	L14 VCCINT	L15 VCCINT	L16 VCCINT	L17 VCCINT	L18 VCCINT	L19 VCCINT	L20 GND	L21 VCCO_7	L22 VCCO_7	L23 AM(2)	L24 AM(3)	L25 GND	L26 AM(4)	L27 AM(5)	L28 GND	L29 IACKOUT_n	L30 IACK_n
M1 Ack	M2 MS0_n	M3 MS1_n	M4 MS2_n	M5 MS3_n	M6 DMAR1_n	M7 DMAR2_n	M8 0	M9 VCCO_2	M10 VCCO_2	M11 VCCINT	M12 GND	M13 GND	M14 GND	M15 GND	M16 GND	M17 GND	M18 GND	M19 GND	M20 VCCINT	M21 VCCO_7	M22 VCCO_7	M23 VME_IRQ_n(2)	M24 VME_IRQ_n(3)	M25 VME_IRQ_n(4)	M26 VME_IRQ_n(5)	M27 VME_IRQ_n(6)	M28 VME_IRQ_n(7)	M29 AM(0)	M30 AM(1)
N1 RstSharc_n	N2 SharcAdr(0)	N3 SharcAdr(1)	N4 SharcAdr(2)	N5 SharcAdr(3)	N6 SharcAdr(4)	N7 SharcAdr(5)	N8 0	N9 VCCO_2	N10 VCCO_2	N11 VCCINT	N12 GND	N13 GND	N14 GND	N15 GND	N16 GND	N17 GND	N18 GND	N19 GND	N20 VCCINT	N21 VCCO_7	N22 VCCO_7	N23 VME_A(17)	N24 VME_A(18)	N25 VME_A(19)	N26 VME_A(20)	N27 VME_A(21)	N28 VME_A(22)	N29 VME_A(23)	N30 VME_IRQ_n(1)
P1 SharcAdr(6)	P2 SharcAdr(7)	P3 SharcAdr(8)	P4 SharcAdr(9)	P5 SharcAdr(10)	P6 GND	P7 SharcAdr(11)	P8 SharcAdr(12)	P9 SharcAdr(13)	P10 VCCO_2	P11 VCCINT	P12 GND	P13 GND	P14 GND	P15 GND	P16 GND	P17 GND	P18 GND	P19 GND	P20 VCCINT	P21 VCCO_7	P22 VME_A(5)	P23 VME_A(12)	P24 VME_A(6)	P25 GND	P26 VME_A(13)	P27 VME_A(7)	P28 VME_A(14)	P29 VME_A(15)	P30 VME_A(16)
R1 VCCAUX	R2 SharcAdr(14)	R3 SharcAdr(15)	R4 SharcAdr(16)	R5 SharcAdr(17)	R6 SharcAdr(18)	R7 SharcAdr(19)	R8 SharcAdr(20)	R9 SharcAdr(21)	R10 VCCO_2	R11 VCCINT	R12 GND	R13 GND	R14 GND	R15 GND	R16 GND	R17 GND	R18 GND	R19 GND	R20 VCCINT	R21 VCCO_7	R22 VME_A(1)	R23 VME_A(8)	R24 VME_A(2)	R25 VME_A(9)	R26 VME_A(3)	R27 VME_A(10)	R28 VME_A(4)	R29 VME_A(11)	R30 VCCAUX
T1 VCCAUX	T2 SharcAdr(22)	T3 LRL(3)	T4 LRL(2)	T5 LRL(1)	T6 LRL(0)	T7 LDOWN_n	T8 LPF_n	T9 UWRN_n	T10 VCCO_3	T11 VCCINT	T12 GND	T13 GND	T14 GND	T15 GND	T16 GND	T17 GND	T18 GND	T19 GND	T20 VCCINT	T21 VCCO_6	T22 VME_A(31)	T23 VME_A(30)	T24 VME_A(29)	T25 VME_A(28)	T26 VME_A(27)	T27 VME_A(26)	T28 VME_A(25)	T29 VME_A(24)	T30 VCCAUX
U1 URESET_n	U2 UTRST_n	U3 UCTRL_n	U4 UD(31)	U5 UD(30)	U6 GND	U7 UD(29)	U8 UD(28)	U9 UD(27)	U10 VCCO_3	U11 VCCINT	U12 GND	U13 GND	U14 GND	U15 GND	U16 GND	U17 GND	U18 GND	U19 GND	U20 VCCINT	U21 VCCO_6	U22 VME_D(23)	U23 VME_D(22)	U24 VME_D(21)	U25 GND	U26 VME_D(20)	U27 VME_D(19)	U28 VME_D(18)	U29 VME_D(17)	U30 VME_D(16)
V1 UD(26)	V2 UD(25)	V3 UD(24)	V4 UD(23)	V5 UD(22)	V6 UD(21)	V7 UD(20)	V8 UD(19)	V9 VCCO_3	V10 VCCO_3	V11 VCCINT	V12 GND	V13 GND	V14 GND	V15 GND	V16 GND	V17 GND	V18 GND	V19 GND	V20 VCCINT	V21 VCCO_6	V22 VCCO_6	V23 SDRAM_DQ(3)	V24 SDRAM_DQ(2)	V25 SDRAM_DQ(1)	V26 SDRAM_DQ(0)	V27 VME_D(27)	V28 VME_D(26)	V29 VME_D(25)	V30 VME_D(24)
W1 UD(18)	W2 UD(17)	W3 UD(16)	W4 UD(15)	W5 UD(14)	W6 UD(13)	W7 UD(12)	W8 UD(11)	W9 VCCO_3	W10 VCCO_3	W11 VCCINT	W12 GND	W13 GND	W14 GND	W15 GND	W16 GND	W17 GND	W18 GND	W19 GND	W20 VCCINT	W21 VCCO_6	W22 VCCO_6	W23 SDRAM_DQ(7)	W24 SDRAM_DQ(6)	W25 SDRAM_DQ(5)	W26 SDRAM_DQ(4)	W27 VME_D(31)	W28 VME_D(30)	W29 VME_D(29)	W30 VME_D(28)
Y1 UD(10)	Y2 UD(9)	Y3 GND	Y4 UD(8)	Y5 UD(7)	Y6 GND	Y7 0	Y8 0	Y9 VCCO_3	Y10 VCCO_3	Y11 GND	Y12 VCCINT	Y13 VCCINT	Y14 VCCINT	Y15 VCCINT	Y16 VCCINT	Y17 VCCINT	Y18 VCCINT	Y19 VCCINT	Y20 GND	Y21 VCCO_6	Y22 VCCO_6	Y23 SDRAM_A(11)	Y24 SDRAM_CS_n	Y25 GND	Y26 SDRAM_RAS_n	Y27 SDRAM_CAS_n	Y28 GND	Y29 SDRAM_WE_n	Y30 SDRAM_DQM(0)
AA1 UD(6)	AA2 UD(5)	AA3 UD(4)	AA4 UD(3)	AA5 UD(2)	AA6 UD(1)	AA7 0	AA8 0	AA9 VCCO_3	AA10 VCCO_4	AA11 VCCO_4	AA12 VCCO_4	AA13 VCCO_4	AA14 VCCO_4	AA15 VCCO_4	AA16 VCCO_5	AA17 VCCO_5	AA18 VCCO_5	AA19 VCCO_5	AA20 VCCO_5	AA21 VCCO_5	AA22 VCCO_6	AA23 SDRAM_DQ(16)	AA24 SDRAM_DQM(2)	AA25 SDRAM_A(2)	AA26 SDRAM_A(1)	AA27 SDRAM_A(0)	AA28 SDRAM_A(10)	AA29 SDRAM_BA(1)	AA30 SDRAM_BA(0)
AB1 Spare_4B(2)	AB2 Spare_4B(1)	AB3 Spare_4B(0)	AB4 UD(0)	AB5 0	AB6 0	AB7 0	AB8 0	AB9 VCCO_3	AB10 VCCO_4	AB11 VCCO_4	AB12 VCCO_4	AB13 VCCO_4	AB14 0	AB15 FLAG3b	AB16 TestCon(11)	AB17 TestCon(12)	AB18 VCCO_5	AB19 VCCO_5	AB20 VCCO_5	AB21 VCCO_5	AB22 VCCO_6	AB23 SDRAM_DQ(24)	AB24 SDRAM_DQ(23)	AB25 SDRAM_DQ(22)	AB26 SDRAM_DQ(21)	AB27 SDRAM_DQ(20)	AB28 SDRAM_DQ(19)	AB29 SDRAM_DQ(18)	AB30 SDRAM_DQ(17)
AC1 GND	AC2 Spare_4B(3)	AC3 Spare_4B(4)	AC4 0	AC5 0	AC6 0	AC7 CCLK	AC8 DONE	AC9 D0	AC10 Spare_4A(3)	AC11 Spare_4A(1)	AC12 Spare_4A(0)	AC13 0	AC14 0	AC15 FLAG2b	AC16 TestCon(10)	AC17 TestCon(13)	AC18 TestCon(14)	AC19 TestCon(4)	AC20 TestCon(3)	AC21 TestCon(1)	AC22 D7	AC23 M2	AC24 M1	AC25 SDRAM_DQ(29)	AC26 SDRAM_DQ(28)	AC27 SDRAM_DQ(27)	AC28 SDRAM_DQ(26)	AC29 SDRAM_DQ(25)	AC30 GND
AD1 0	AD2 0	AD3 0	AD4 0	AD5 0	AD6 0	AD7 PWRDWN_B	AD8 0	AD9 D1	AD10 Spare_4A(4)	AD11 Spare_4A(2)	AD12 RstSharcE_n	AD13 0	AD14 0	AD15 FLAG1b	AD16 TestCon(9)	AD17 TestCon(7)	AD18 TestCon(15)	AD19 RstSharcF_n	AD20 TestCon(2)	AD21 TestCon(0)	AD22 D6	AD23 0	AD24 M0	AD25 SDRAM_A(5)	AD26 SDRAM_A(4)	AD27 SDRAM_A(3)	AD28 SDRAM_DQM(3)	AD29 SDRAM_DQ(31)	AD30 SDRAM_DQ(30)
AE1 0	AE2 0	AE3 0	AE4 0	AE5 0	AE6 GND	AE7 0	AE8 0	AE9 0	AE10 0	AE11 0	AE12 0	AE13 GND	AE14 Redy_b	AE15 FLAG0b	AE16 TestCon(8)	AE17 TestCon(6)	AE18 GND	AE19 0	AE20 0	AE21 ISG_MET_TFG4 TTC_n(7)	AE22 ROD_Busy	AE23 0	AE24 0	AE25 GND	AE26 SDRAM_CKE	AE27 SDRAM_A(9)	AE28 SDRAM_A(8)	AE29 SDRAM_A(7)	AE30 SDRAM_A(6)
AF1 0	AF2 0	AF3 0	AF4 0	AF5 GND	AF6 0	AF7 INIT_B	AF8 IRQ2b_n	AF9 IRQ1b_n	AF10 0	AF11 0	AF12 0	AF13 0	AF14 CSb_n	AF15 SDRAM_CLKin	AF16 SDRAM_CLK	AF17 TestCon(5)	AF18 0	AF19 0	AF20 0	AF21 ISG_MET_TFG4 TTC_n(6)	AF22 ISG_MET_TFG4 TTC_n(5)	AF23 ISG_MET_TFG4 TTC_n(4)	AF24 RDWR_B	AF25 SDRAM_DQ(10)	AF26 GND	AF27 SDRAM_DQ(9)	AF28 SDRAM_DQ(8)	AF29 SDRAM_DQM(1)	AF30 SDRAM_A(12)
AG1 0	AG2 0	AG3 0	AG4 GND	AG5 0	AG6 DOUT	AG7 D2	AG8 VRP_4	AG9 GND	AG10 IRQ0b_n	AG11 0	AG12 GND	AG13 0	AG14 Busy_3A	AG15 SLINK_CLK	AG16 LHC_Clk	AG17 Busy_4B	AG18 0	AG19 GND	AG20 0	AG21 ISG_MET_TFG4 TTC_n(2)	AG22 GND	AG23 VRN_5	AG24 D5	AG25 CS_B	AG26 SDRAM_DQ(12)	AG27 GND	AG28 SDRAM_DQ(11)	AG29 SDRAM_DQ(14)	AG30 SDRAM_DQ(13)
AH1 0	AH2 0	AH3 GND	AH4 0	AH5 0	AH6 GNDA16	AH7 D3	AH8 VRN_4	AH9 0	AH10 0	AH11 0	AH12 GNDA18	AH13 0	AH14 GND	AH15 SLINK_CLKin	AH16 C1kx2	AH17 GND	AH18 0	AH19 GNDA19	AH20 0	AH21 0	AH22 ISG_MET_TFG4 TTC_n(3)	AH23 VRP_5	AH24 D4	AH25 GNDA21	AH26 0	AH27 0	AH28 GND	AH29 0	AH30 SDRAM_DQ(15)
AJ1 VCCAUX	AJ2 GND	AJ3 VRP_3	AJ4 AVCCAUXRX16	AJ5 VTRXPAD16	AJ6 AVCCAUXTX16	AJ7 VTTXPAD16	AJ8 0	AJ9 0	AJ10 0	AJ11 AVCCAUXRX18	AJ12 VTRXPAD18	AJ13 AVCCAUXTX18	AJ14 VTTXPAD18	AJ15 0	AJ16 Clk	AJ17 AVCCAUXRX19	AJ18 VTRXPAD19	AJ19 AVCCAUXTX19	AJ20 VTTXPAD19	AJ21 0	AJ22 ISG_MET_TFG4 TTC_n(1)	AJ23 ISG_MET_TFG4 TTC_n(0)	AJ24 AVCCAUXRX21	AJ25 VTRXPAD21	AJ26 AVCCAUXTX21	AJ27 VTTXPAD21	AJ28 VRP_6	AJ29 GND	AJ30 VCCAUX
	AK2 VCCAUX	AK3 VRN_3	AK4 RXN_3B	AK5 RXP_3B	AK6 TXP_3B	AK7 TXN_3B	AK8 Busy_3B	AK9 GND	AK10 0	AK11 RXN_3A	AK12 RXP_3A	AK13 TXP_3A	AK14 TXN_3A	AK15 VCCAUX	AK16 VCCAUX	AK17 RXN_4B	AK18 RXP_4B	AK19 TXP_4B	AK20 TXN_4B	AK21 0	AK22 GND	AK23 Busy_4A	AK24 RXN_4A	AK25 RXP_4A	AK26 TXP_4A	AK27 TXN_4A	AK28 VRN_6	AK29 VCCAUX	

Input FPGA Power pins:
VCCAUX (2V5) 16 pins
VCCINT (1V5) 32 pins
VCCO_# (3V3) 10 pins each
GND 124 pins

MROD-Out			Rev V2 4
			Date 7 Feb 2006
Output FPGA			Time 1:27:21 pm
Proj: MROD-X	Proj.No: 38405		Name tonvr
Peter Jansweijer	peterj@nikhef.nl		
NIKHEF	NATIONAAL INSTITUUT VOOR KERN-FYSICA EN HOGE ENERGIE-FYSICA KRUISLAAN 409, 020-592 2000 1098 SJ AMSTERDAM NEDERLAND		Size A3 4 1 4 A
© ET-Nikhef Amsterdam			Dim 420 x 297 mm
			Page 7 of 19