REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPR.

DEL1.8

I299 AMZ-DELAY (IN; OUT20; OUT40; OUT60; OUT80; OUT100; RHOMBUS)

CONTRACLK-B, BUF-M-INPUTB, BUF-CLK-B, PROGRAM-B, DONE-B, INIT-B, DIN-B, BUF-WRITE-B, CE-B, INPUTA-TRIG, INPUTB-TRIG, TMS-B, TCK-B

R4.8 R3.8 R2.8 R1.8 (VCC_2V5, GND)

R603 J1.8 I22

J2.8 SAMTEC-SFMC-107 I264

LED 8XCLOCK 3XCONTROL

LAENGE AN JB-BUS ANPASSEN (JET-FPGA)

R5.8 B-WR-STRB B-CE B-WR

TTC-DAT0(0) … TTC-DAT7(0)

B-DAQ1 B-DAQ2 B-ROC1 B-ROC2

B-RDO(11..0) A-RDO(11..0)

R-SIL4.8 R-SIL3.8 I146

80MHZ VSSR_SS0P20 I147

JB2 B-JB1(0..4) B-JB2(0..4) B-JB3(0..4) B-JB4(0..4)

JB1 E25

J-JB1(0..4) J-JB2(0..4) J-JB3(0..4) J-JB4(0..4)

I146 R-SIL6.8 R-SIL5.8 I145

FOR VERTEX-E (VREF)

VIRTEX 2.5V

XCV150-456

INPUT-FPGA

B

I144 IC1.8

VCCINT=VCC_2V5

VCCO_B0=VCC_2V5
VCCO_B1=VCC_2V5
VCCO_B2=VCC_2V5
VCCO_B3=VCC_2V5
VCCO_B4=VCC_2V5
VCCO_B5=VCC_2V5
VCCO_B6=VCC_2V5
VCCO_B7=VCC_2V5

I/O0223 … I/O0112 (GCK0-3, M0-2, CCLK, PROGRAM, DONE, INIT, BUSY/DOUT, D0-31, CS, WRITE, TDI, TDO, TMS, TCK, DXN, DXP)

IB4E_RCLK IB4E_LOCK IB4E_PWRDN IB4E_REN IB3E_RCLK IB3E_LOCK IB3E_PWRDN IB3E_REN IB2E_RCLK IB2E_LOCK IB2E_PWRDN IB2E_REN IB1E_RCLK IB1E_LOCK IB1E_PWRDN IB1E_REN IB4H_RCLK IB4H_LOCK IB4H_PWRDN IB4H_REN IB3H_RCLK IB3H_LOCK IB3H_PWRDN IB3H_REN IB2H_RCLK IB2H_LOCK IB2H_PWRDN IB2H_REN IB1H_RCLK IB1H_LOCK IB1H_PWRDN IB1H_REN

I226 I213 I214 I215 I216 I217 I218 I221 I223 I212

VCC=VCC_3V3 VCC_3V3 GND

IC2.8 IC3.8 IC4.8 IC5.8 IC6.8 IC7.8 IC8.8 IC9.8 IC10.8 IC11.8 IC12.8

DS92LV1210 (D0-D9, RCLK, LOCK*, PWRDN*, REN, REFCLK, RCLK_R/F, DIN, DIN*)

JB2 R6.8 R7.8 R8.8 R9.8 R10.8 R11.8 R12.8 R13.8 R14.8 100

SN65LVDS9637A PLL-40-B PLL-40-B* B-REFCLK B-REFCLK*

VCC_ANA

10UF 47UF 470UF

C45.8 C46.8 C48.8 C4.8 C47.8 C5.8 C49.8 C2.8 C50.8 C53.8 C14.8 C61.8 C62.8 C55.8 C3.8 C22.8 C19.8
C52.8 C6.8 C15.8 C58.8 C64.8 C16.8 C12.8 C51.8 C7.8 C59.8 C60.8 C63.8 C17.8 C70.8 C13.8
C32.8 C31.8 C30.8 C29.8 C28.8 C27.8 C44.8 C26.8 C33.8 C43.8 C41.8 C40.8 C39.8 C38.8 C45.8
C37.8 C36.8 C35.8 C42.8 C34.8 C25.8 C24.8 C1.8
C19.8 C54.8 C18.8 C55.8 C8.8 C56.8 C11.8 C57.8 C10.8 C9.8 C68.8 C69.8 C66.8 C67.8 C20.8 C21.8

RESISTORARRAY 100 VISHAY VSSR 1603
RESISTORARRAY 1K VISHAY VSSR 1603 FARNELL 309-9003

PINS U11 AND E11 FOR VIRTEX NOT USE !!!
PINS U11 AND E11 FOR VIRTEX-E NOT CONNECT
ALL CERAMIC CAPACITORS AVX X7R C0403
TANTALUM CAPACITORS AVX TPS 3528
TANTALUM CAPACITORS AVX TPS 6032

UNIVERSITY OF MAINZ

DRAWING TITLE: LVDS9-16_INPUT

SIZE	REV.	DRAWING NO.
C		
SCALE	30.05.2000	SHEET 8 OF 13