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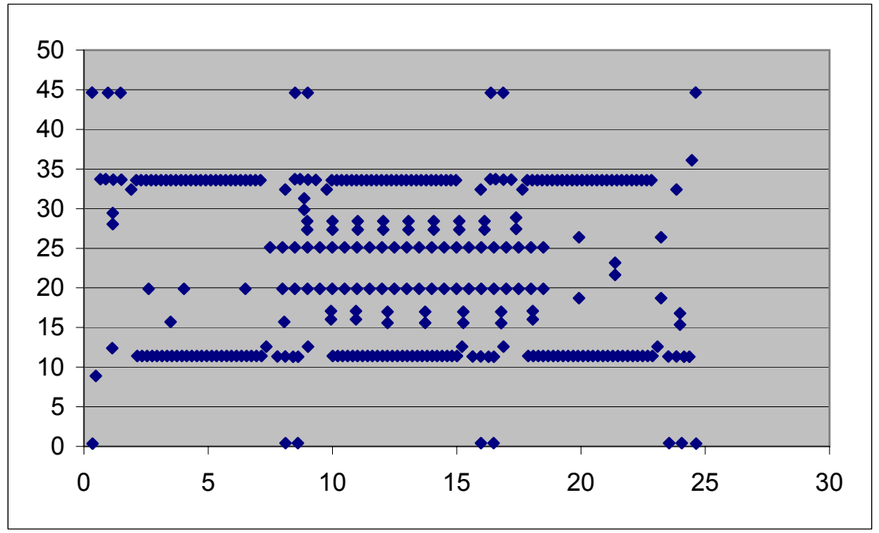
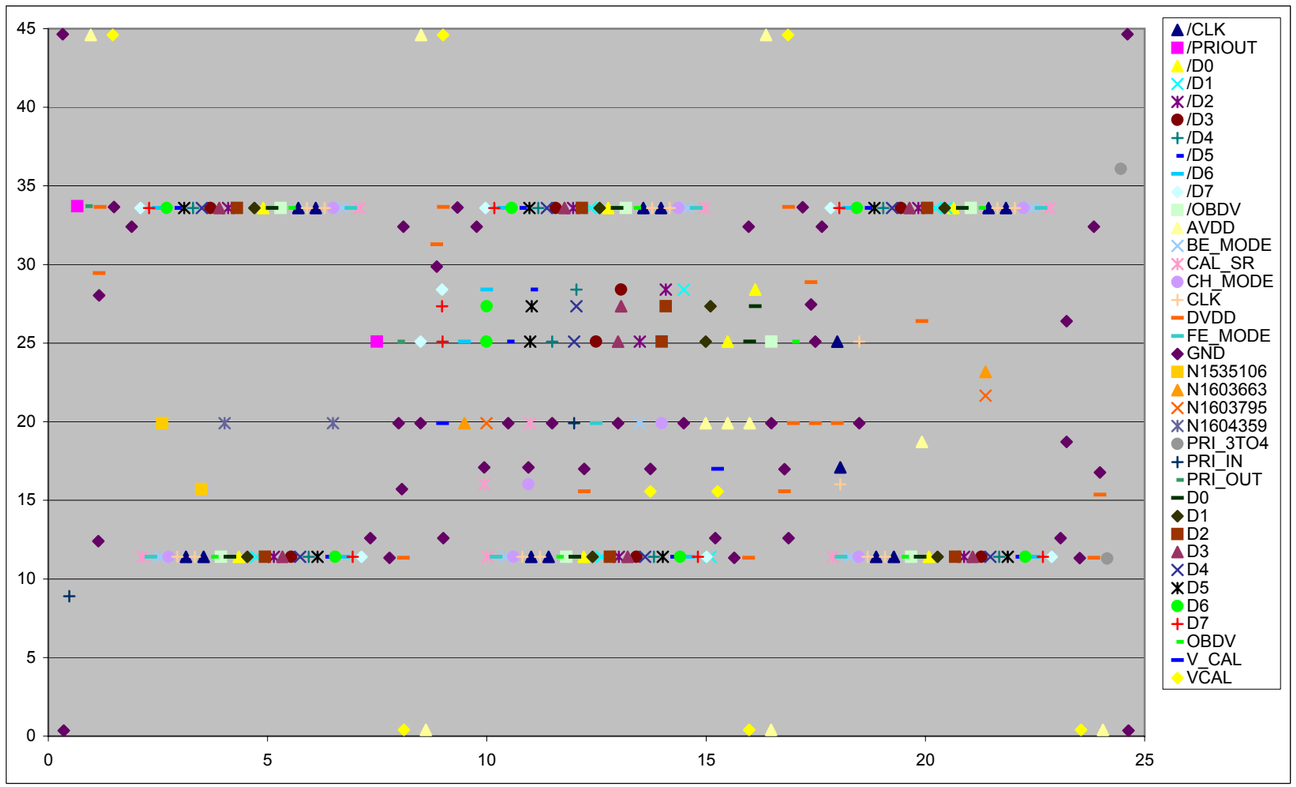
*********************************************************
*          *
*          CROSS    NET        REPORT   *
*          *
*          C:\A_DELL 1GHZ\FERMI\HDI6\HDI6.MAX
*          Tue                 23        2002 *
*          *
*********************************************************
```

REF	DES	YCOORD	NAMES
46.1	0	0	<< unused >>



componet	x location (mm	y location (mm)	line
CONN1.48	17.99	25.1	/CLK
R8.1	18.06	17.09	/CLK
U1.10	3.14	11.4	/CLK
U1.12	3.54	11.4	/CLK
U2.10	11.01	11.4	/CLK
U2.12	11.41	11.4	/CLK
U3.10	18.88	11.4	/CLK
U3.12	19.28	11.4	/CLK
U4.10	21.84	33.6	/CLK
U4.12	21.44	33.6	/CLK
U5.10	13.97	33.6	/CLK
U5.12	13.57	33.6	/CLK
U6.10	6.1	33.6	/CLK
U6.12	5.7	33.6	/CLK
CONN1.6	7.49	25.1	/PRI_OUT
U12.4	0.66	33.7	/PRI_OUT
CONN1.38	15.49	25.1	/SVXD0
R0.2	16.12	28.41	/SVXD0
U1.16	4.34	11.4	/SVXD0
U2.16	12.21	11.4	/SVXD0
U3.16	20.08	11.4	/SVXD0
U4.16	20.64	33.6	/SVXD0
U5.16	12.77	33.6	/SVXD0
U6.16	4.9	33.6	/SVXD0
CONN1.34	14.49	25.1	/SVXD1
R1.2	15.1	28.41	/SVXD1
U1.18	4.74	11.4	/SVXD1
U2.18	12.61	11.4	/SVXD1
U3.18	20.48	11.4	/SVXD1
U4.18	20.24	33.6	/SVXD1
U5.18	12.37	33.6	/SVXD1



U6.18	4.5	33.6	/SVXD1
CONN1.30	13.49	25.1	/SVXD2
R2.2	14.08	28.41	/SVXD2
U1.20	5.14	11.4	/SVXD2
U2.20	13.01	11.4	/SVXD2
U3.20	20.88	11.4	/SVXD2
U4.20	19.84	33.6	/SVXD2
U5.20	11.97	33.6	/SVXD2
U6.20	4.1	33.6	/SVXD2
CONN1.26	12.49	25.1	/SVXD3
R3.2	13.06	28.41	/SVXD3
U1.22	5.54	11.4	/SVXD3
U2.22	13.41	11.4	/SVXD3
U3.22	21.28	11.4	/SVXD3
U4.22	19.44	33.6	/SVXD3
U5.22	11.57	33.6	/SVXD3
U6.22	3.7	33.6	/SVXD3
CONN1.22	11.49	25.1	/SVXD4
R4.2	12.04	28.41	/SVXD4
U1.24	5.94	11.4	/SVXD4
U2.24	13.81	11.4	/SVXD4
U3.24	21.68	11.4	/SVXD4
U4.24	19.04	33.6	/SVXD4
U5.24	11.17	33.6	/SVXD4
U6.24	3.3	33.6	/SVXD4
CONN1.18	10.49	25.1	/SVXD5
R5.2	11.02	28.41	/SVXD5
U1.26	6.34	11.4	/SVXD5
U2.26	14.21	11.4	/SVXD5
U3.26	22.08	11.4	/SVXD5
U4.26	18.64	33.6	/SVXD5
U5.26	10.77	33.6	/SVXD5
U6.26	2.9	33.6	/SVXD5
CONN1.14	9.49	25.1	/SVXD6
R6.2	10	28.41	/SVXD6
U1.28	6.74	11.4	/SVXD6
U2.28	14.61	11.4	/SVXD6
U3.28	22.48	11.4	/SVXD6
U4.28	18.24	33.6	/SVXD6
U5.28	10.37	33.6	/SVXD6
U6.28	2.5	33.6	/SVXD6
CONN1.10	8.49	25.1	/SVXD7
R7.2	8.98	28.41	/SVXD7
U1.30	7.14	11.4	/SVXD7
U2.30	15.01	11.4	/SVXD7
U3.30	22.88	11.4	/SVXD7
U4.30	17.84	33.6	/SVXD7
U5.30	9.97	33.6	/SVXD7
U6.30	2.1	33.6	/SVXD7
CONN1.42	16.49	25.1	/SVXOBDV
U1.14	3.94	11.4	/SVXOBDV
U2.14	11.81	11.4	/SVXOBDV

U3.14	19.68	11.4	/SVXOBDV		
U4.14	21.04	33.6	/SVXOBDV		
U5.14	13.17	33.6	/SVXOBDV		
U6.14	5.3	33.6	/SVXOBDV		
U7.3	8.41	11.3	<<	unused	>>
U7.4	8.62	11.3	<<	unused	>>
U8.3	16.28	11.3	<<	unused	>>
U8.4	16.49	11.3	<<	unused	>>
U9.4	24.36	11.3	<<	unused	>>
U10.3	16.57	33.7	<<	unused	>>
U10.4	16.35	33.7	<<	unused	>>
U11.3	8.7	33.7	<<	unused	>>
U11.4	8.49	33.7	<<	unused	>>
C2.1	19.92	18.71	AVDD		
CONN1.35	14.99	19.9	AVDD		
CONN1.37	15.49	19.9	AVDD		
CONN1.39	15.99	19.9	AVDD		
U7.5	8.61	0.4	AVDD		
U8.5	16.48	0.4	AVDD		
U9.5	24.05	0.4	AVDD		
U10.5	16.37	44.6	AVDD		
U11.5	8.5	44.6	AVDD		
U12.5	0.97	44.6	AVDD		
CONN1.29	13.49	19.9	BE_MODE		
U1.7	2.54	11.4	BE_MODE		
U2.7	10.41	11.4	BE_MODE		
U3.7	18.28	11.4	BE_MODE		
U4.7	22.44	33.6	BE_MODE		
U5.7	14.57	33.6	BE_MODE		
U6.7	6.7	33.6	BE_MODE		
CONN1.19	10.99	19.9	CAL_SR		
R12.2	9.94	16.02	CAL_SR		
U1.5	2.14	11.4	CAL_SR		
U2.5	10.01	11.4	CAL_SR		
U3.5	17.88	11.4	CAL_SR		
U4.5	22.84	33.6	CAL_SR		
U5.5	14.97	33.6	CAL_SR		
U6.5	7.1	33.6	CAL_SR		
CONN1.31	13.99	19.9	CH_MODE		
R11.2	10.95	16.02	CH_MODE		
U1.8	2.74	11.4	CH_MODE		
U2.8	10.61	11.4	CH_MODE		
U3.8	18.48	11.4	CH_MODE		
U4.8	22.24	33.6	CH_MODE		
U5.8	14.37	33.6	CH_MODE		
U6.8	6.5	33.6	CH_MODE		
CONN1.50	18.49	25.1	CLK		
R8.2	18.06	16.02	CLK		
U1.9	2.94	11.4	CLK		
U1.11	3.34	11.4	CLK		
U2.9	10.81	11.4	CLK		
U2.11	11.21	11.4	CLK		

U3.9	18.68	11.4	CLK
U3.11	19.08	11.4	CLK
U4.9	22.04	33.6	CLK
U4.11	21.64	33.6	CLK
U5.9	14.17	33.6	CLK
U5.11	13.77	33.6	CLK
U6.9	6.3	33.6	CLK
U6.11	5.9	33.6	CLK
C1.1	19.92	26.39	DVDD
C11.1	12.22	15.57	DVDD
C21.1	16.79	15.56	DVDD
C31.1	23.98	15.36	DVDD
C41.1	17.39	28.87	DVDD
C51.1	8.86	31.28	DVDD
C61.1	1.16	29.45	DVDD
CONN1.43	16.99	19.9	DVDD
CONN1.45	17.49	19.9	DVDD
CONN1.47	17.99	19.9	DVDD
U7.2	8.1	11.35	DVDD
U8.2	15.97	11.35	DVDD
U9.2	23.84	11.35	DVDD
U10.2	16.88	33.65	DVDD
U11.2	9.01	33.65	DVDD
U12.2	1.18	33.65	DVDD
CONN1.25	12.49	19.9	FE_MODE
U1.6	2.34	11.4	FE_MODE
U2.6	10.21	11.4	FE_MODE
U3.6	18.08	11.4	FE_MODE
U4.6	22.64	33.6	FE_MODE
U5.6	14.77	33.6	FE_MODE
U6.6	6.9	33.6	FE_MODE
C1.2	23.22	26.39	GND
C2.2	23.22	18.71	GND
C3.2	8.06	15.72	GND
C4.2	13.73	16.99	GND
C11.2	12.22	16.99	GND
C21.2	16.79	16.98	GND
C31.2	23.98	16.78	GND
C41.2	17.39	27.45	GND
C51.2	8.86	29.86	GND
C61.2	1.16	28.03	GND
CONN1.7	7.99	19.9	GND
CONN1.9	8.49	19.9	GND
CONN1.17	10.49	19.9	GND
CONN1.21	11.49	19.9	GND
CONN1.27	12.99	19.9	GND
CONN1.33	14.49	19.9	GND
CONN1.41	16.49	19.9	GND
CONN1.46	17.49	25.1	GND
CONN1.49	18.49	19.9	GND
JP1.1	0.35	0.35	GND
JP2.1	24.63	0.35	GND

JP3.1	24.61	44.65	GND
JP4.1	0.33	44.65	GND
R11.1	10.95	17.09	GND
R12.1	9.94	17.09	GND
U1.31	7.34	12.6	GND
U1.32	1.14	12.4	GND
U2.31	15.21	12.6	GND
U2.32	9.01	12.6	GND
U3.31	23.08	12.6	GND
U3.32	16.88	12.6	GND
U4.31	17.64	32.4	GND
U4.32	23.84	32.4	GND
U5.31	9.77	32.4	GND
U5.32	15.97	32.4	GND
U6.31	1.9	32.4	GND
U6.32	8.1	32.4	GND
U7.1	7.78	11.35	GND
U8.1	15.64	11.35	GND
U9.1	23.52	11.33	GND
U10.1	17.2	33.64	GND
U11.1	9.33	33.62	GND
U12.1	1.5	33.65	GND
C3.1	3.49	15.72	N1535106
R13.1	2.6	19.9	N1535106
CONN1.13	9.49	19.9	N1603663
U14.1	21.37	23.17	N1603663
CONN1.15	9.99	19.9	N1603795
U14.2	21.37	21.65	N1603795
CONN1.1	6.49	19.9	N1604359
R13.2	4.02	19.9	N1604359
JP5.1	24.46	36.09	PRI_3TO4
U9.3	24.15	11.3	PRI_3TO4
CONN1.23	11.99	19.9	PRI_IN
U19.1	0.48	8.9	PRI_IN
CONN1.8	7.99	25.1	PRI_OUT
U12.3	0.87	33.7	PRI_OUT
CONN1.40	15.99	25.1	SVXD0
R0.1	16.12	27.34	SVXD0
U1.15	4.14	11.4	SVXD0
U2.15	12.01	11.4	SVXD0
U3.15	19.88	11.4	SVXD0
U4.15	20.84	33.6	SVXD0
U5.15	12.97	33.6	SVXD0
U6.15	5.1	33.6	SVXD0
CONN1.36	14.99	25.1	SVXD1
R1.1	15.1	27.34	SVXD1
U1.17	4.54	11.4	SVXD1
U2.17	12.41	11.4	SVXD1
U3.17	20.28	11.4	SVXD1
U4.17	20.44	33.6	SVXD1
U5.17	12.57	33.6	SVXD1
U6.17	4.7	33.6	SVXD1

CONN1.32	13.99	25.1	SVXD2
R2.1	14.08	27.34	SVXD2
U1.19	4.94	11.4	SVXD2
U2.19	12.81	11.4	SVXD2
U3.19	20.68	11.4	SVXD2
U4.19	20.04	33.6	SVXD2
U5.19	12.17	33.6	SVXD2
U6.19	4.3	33.6	SVXD2
CONN1.28	12.99	25.1	SVXD3
R3.1	13.06	27.34	SVXD3
U1.21	5.34	11.4	SVXD3
U2.21	13.21	11.4	SVXD3
U3.21	21.08	11.4	SVXD3
U4.21	19.64	33.6	SVXD3
U5.21	11.77	33.6	SVXD3
U6.21	3.9	33.6	SVXD3
CONN1.24	11.99	25.1	SVXD4
R4.1	12.04	27.34	SVXD4
U1.23	5.74	11.4	SVXD4
U2.23	13.61	11.4	SVXD4
U3.23	21.48	11.4	SVXD4
U4.23	19.24	33.6	SVXD4
U5.23	11.37	33.6	SVXD4
U6.23	3.5	33.6	SVXD4
CONN1.20	10.99	25.1	SVXD5
R5.1	11.02	27.34	SVXD5
U1.25	6.14	11.4	SVXD5
U2.25	14.01	11.4	SVXD5
U3.25	21.88	11.4	SVXD5
U4.25	18.84	33.6	SVXD5
U5.25	10.97	33.6	SVXD5
U6.25	3.1	33.6	SVXD5
CONN1.16	9.99	25.1	SVXD6
R6.1	10	27.34	SVXD6
U1.27	6.54	11.4	SVXD6
U2.27	14.41	11.4	SVXD6
U3.27	22.28	11.4	SVXD6
U4.27	18.44	33.6	SVXD6
U5.27	10.57	33.6	SVXD6
U6.27	2.7	33.6	SVXD6
CONN1.12	8.99	25.1	SVXD7
R7.1	8.98	27.34	SVXD7
U1.29	6.94	11.4	SVXD7
U2.29	14.81	11.4	SVXD7
U3.29	22.68	11.4	SVXD7
U4.29	18.04	33.6	SVXD7
U5.29	10.17	33.6	SVXD7
U6.29	2.3	33.6	SVXD7
CONN1.44	16.99	25.1	SVXOBDV
U1.13	3.74	11.4	SVXOBDV
U2.13	11.61	11.4	SVXOBDV
U3.13	19.48	11.4	SVXOBDV

U4.13	21.24	33.6	SVXOBDV
U5.13	13.37	33.6	SVXOBDV
U6.13	5.5	33.6	SVXOBDV
CONN1.11	8.99	19.9	V_CAL
R14.2	15.26	16.99	V_CAL
C4.1	13.73	15.57	VCAL
R14.1	15.26	15.57	VCAL
U7.6	8.11	0.4	VCAL
U8.6	15.98	0.4	VCAL
U9.6	23.55	0.4	VCAL
U10.6	16.87	44.6	VCAL
U11.6	9	44.6	VCAL
U12.6	1.47	44.6	VCAL