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IslandPark

DATE	CHANGE NO.	REV

DRAWER	EE	DATE	POWER	DATE	INVENTEC		
DESIGN					TITLE		
CHECK					IslandPark		
RESPONSIBLE							
SIZE = 3					SIZE	CODE	DOC. NUMBER
FILE NAME : XXXX-XXXXXX-XX					A3	CS	Po90
P/N XXXXXXXXXXXX					REV		
					SHEET	1	OF 47

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35- PCI SLOT 1&2
36- PCI SLOT 3
37- PCI-EX SLOT
38- PATA HDD CONN
39- SATA HDD CONN
40- USB CONN
41- FAN CONN
42- SERIAL PORT&HEADER
43- LEDS&BUZZER
44- LPC HEADER&SCREW
45- POWER CONTROLCONN & SIDEBAND COMMUNICATION
46- FRONT PANEL HEADER
47- AC97 CODEC & AMPLIFIER

INVENTEC

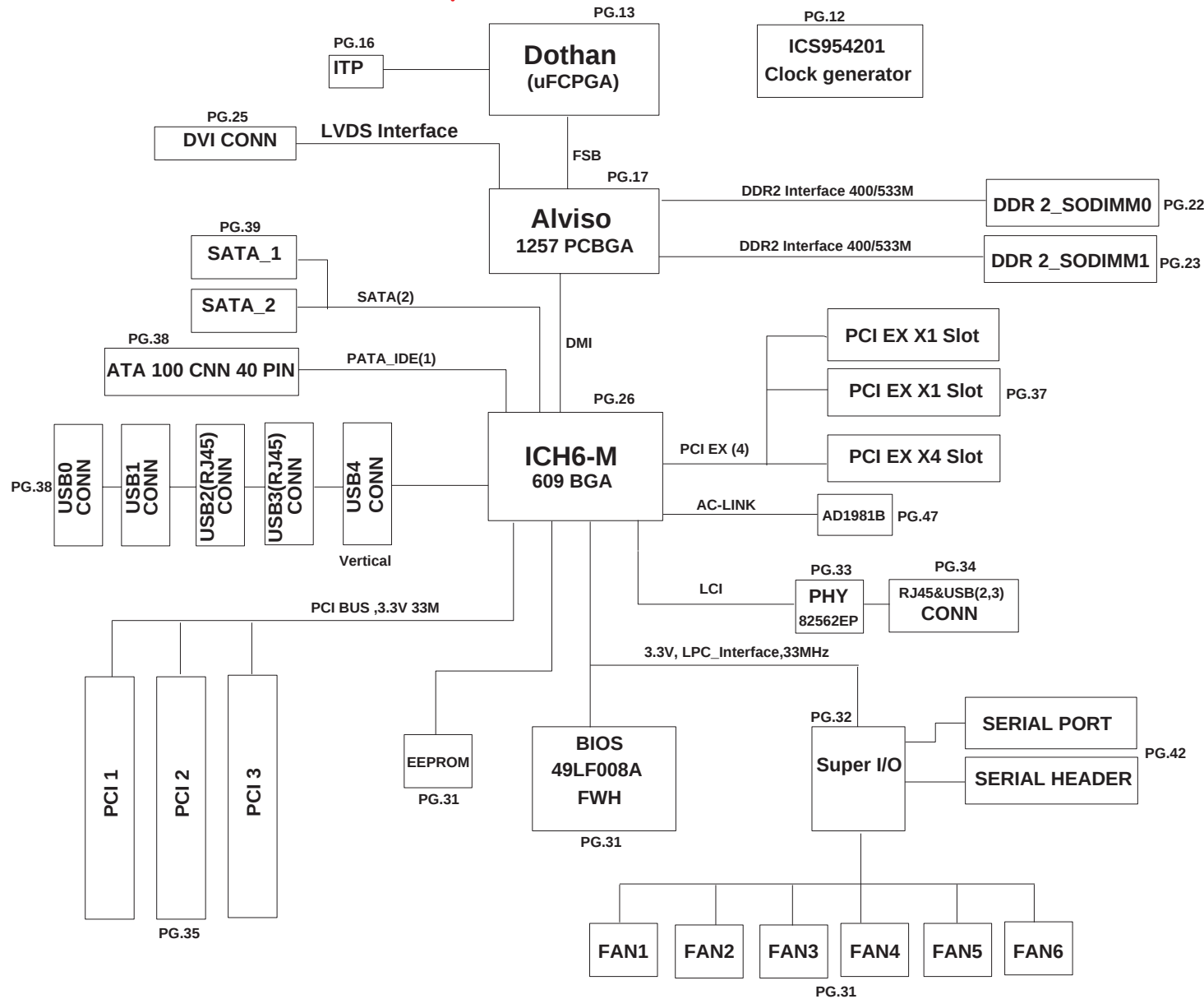
TITLE
IslandPark

SIZE A3	CODE CS	DOC. NUMBER <i>Po90</i>	REV AXI
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CHANGE by *CHEN TE-YU* 30-Sep-2004

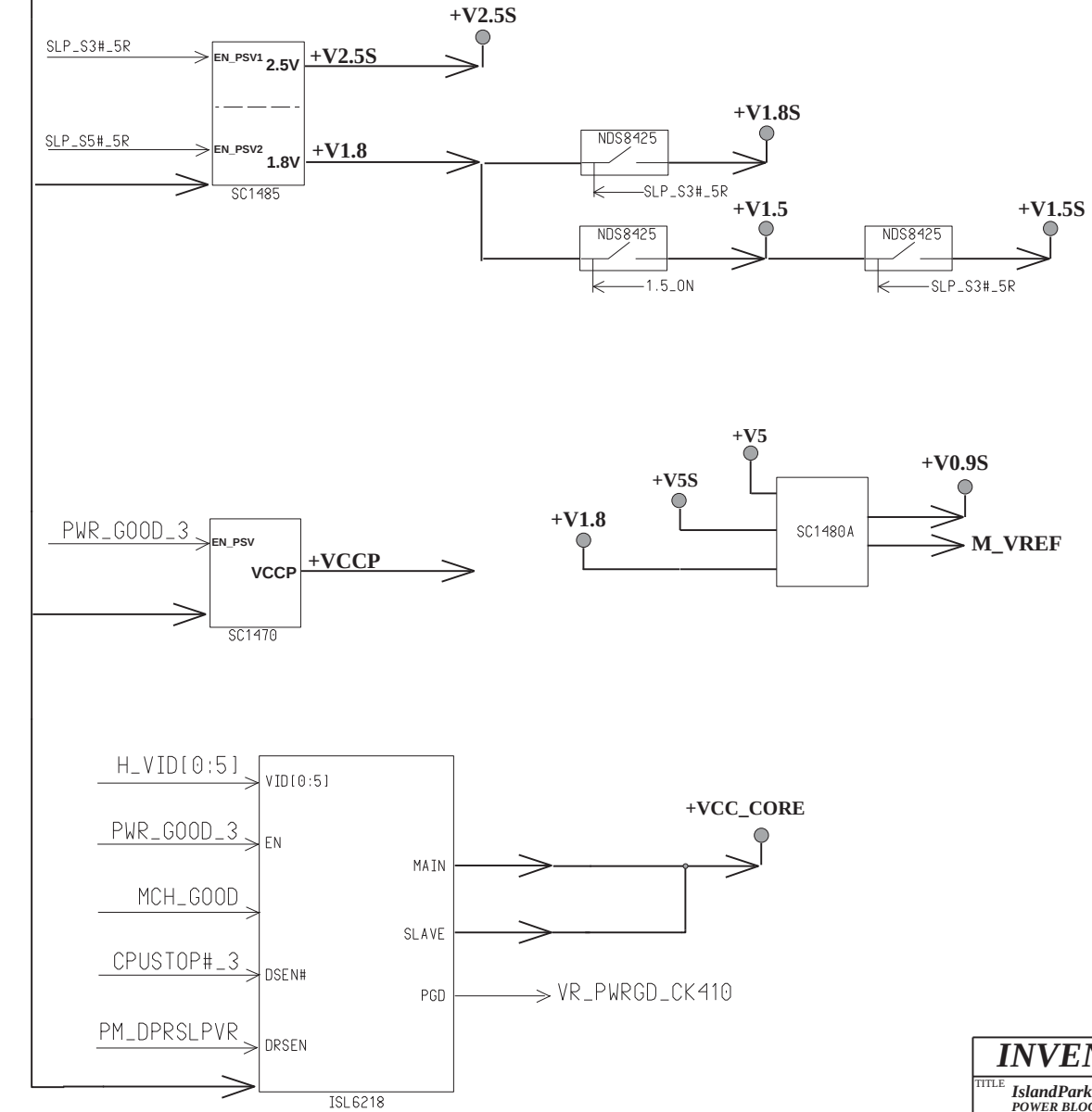
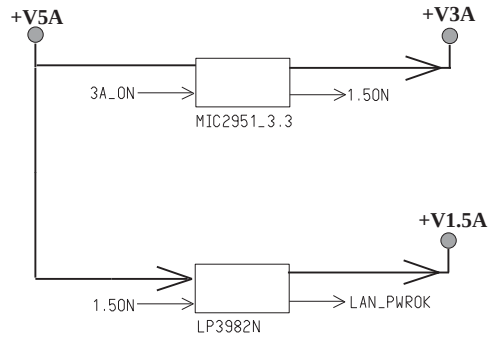
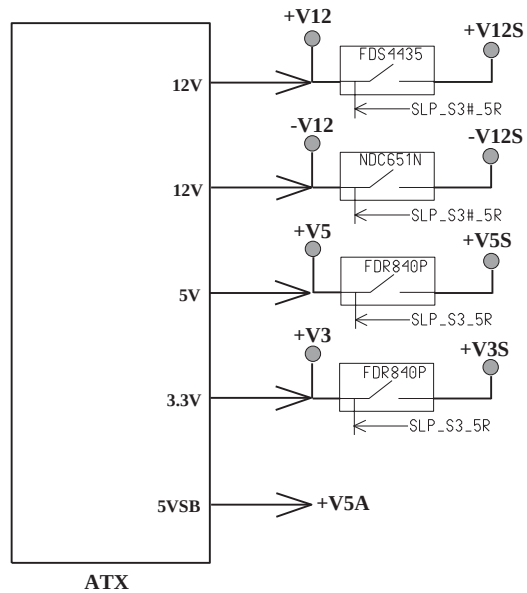
SHEET 2 OF 47

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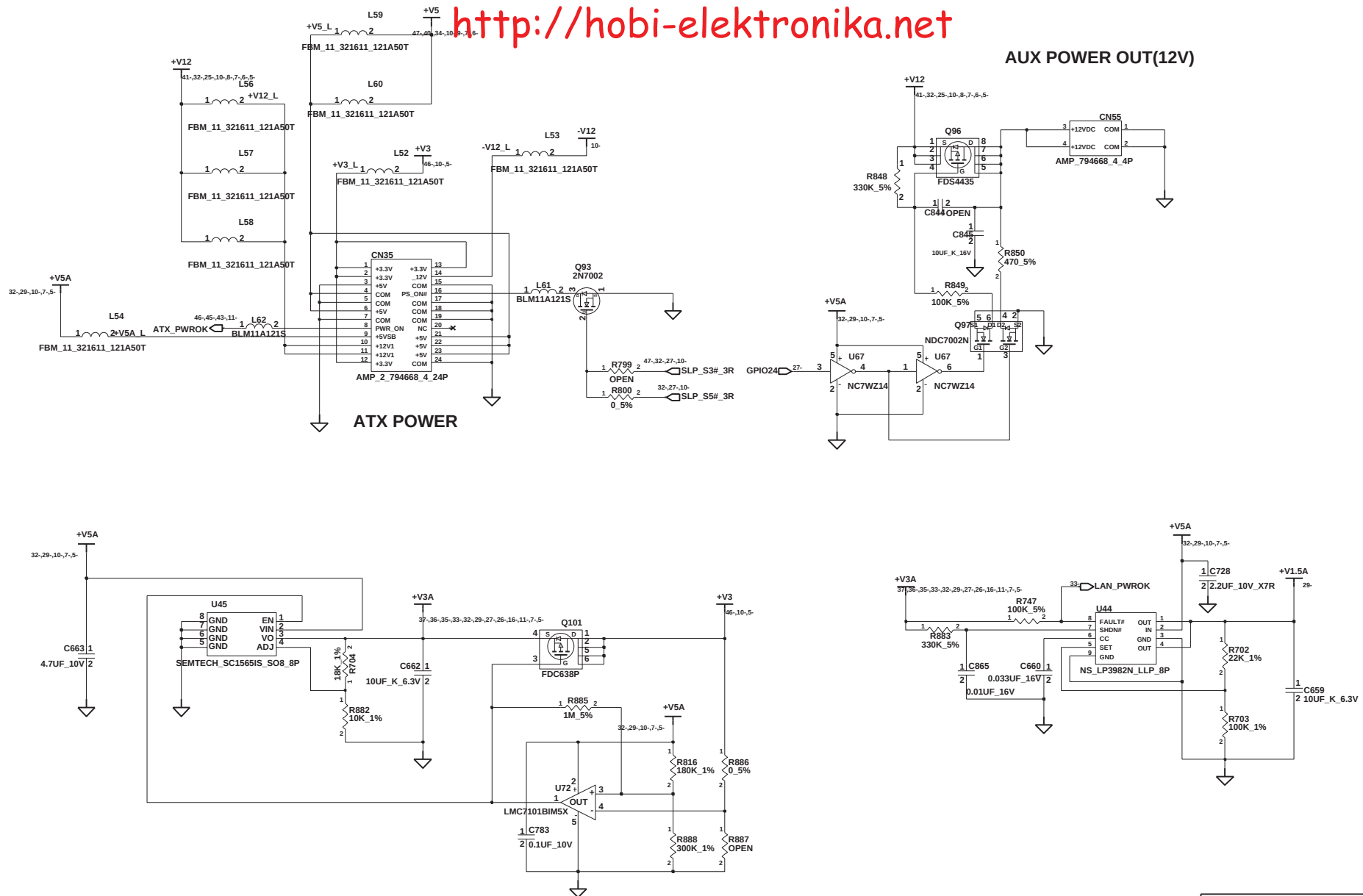
INVENTEC			
TITLE IslandPark BLOCK DIAGRAM			
SIZE A3	CODE CS	DOC. NUMBER Po90	REV AX1
CHANGE by CHEN TE-YU		30-Sep-2004	
SHEET 3		OF 47	
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INVENTEC			
TITLE			
IslandPark			
POWER BLOCK DIAGRAM			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Po90	AXI
CHANGE by		30-Sep-2004	
SHEET		4	OF 47
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INVENTEC

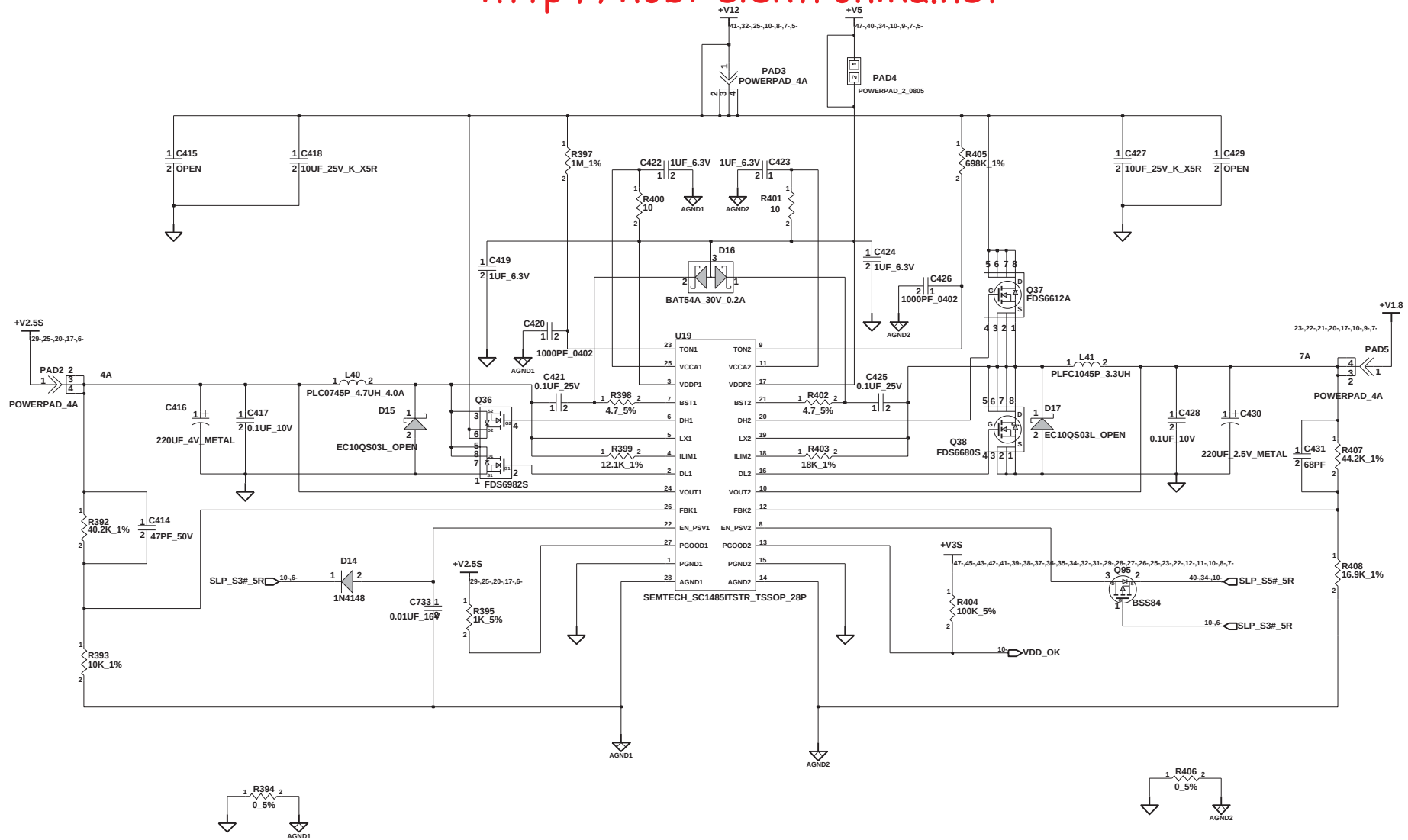
TITLE
IslandPark
ATX POWER CONN

SIZE A3	CODE CS	DOC. NUMBER Po90	REV AX1
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CHANGE by **CHEN TE-YU** 30-Sep-2004

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INVENTEC

TITLE **IslandPark
SYSTEM POWER**

SIZE A3	CODE CS	DOC. NUMBER Po90	REV AXI
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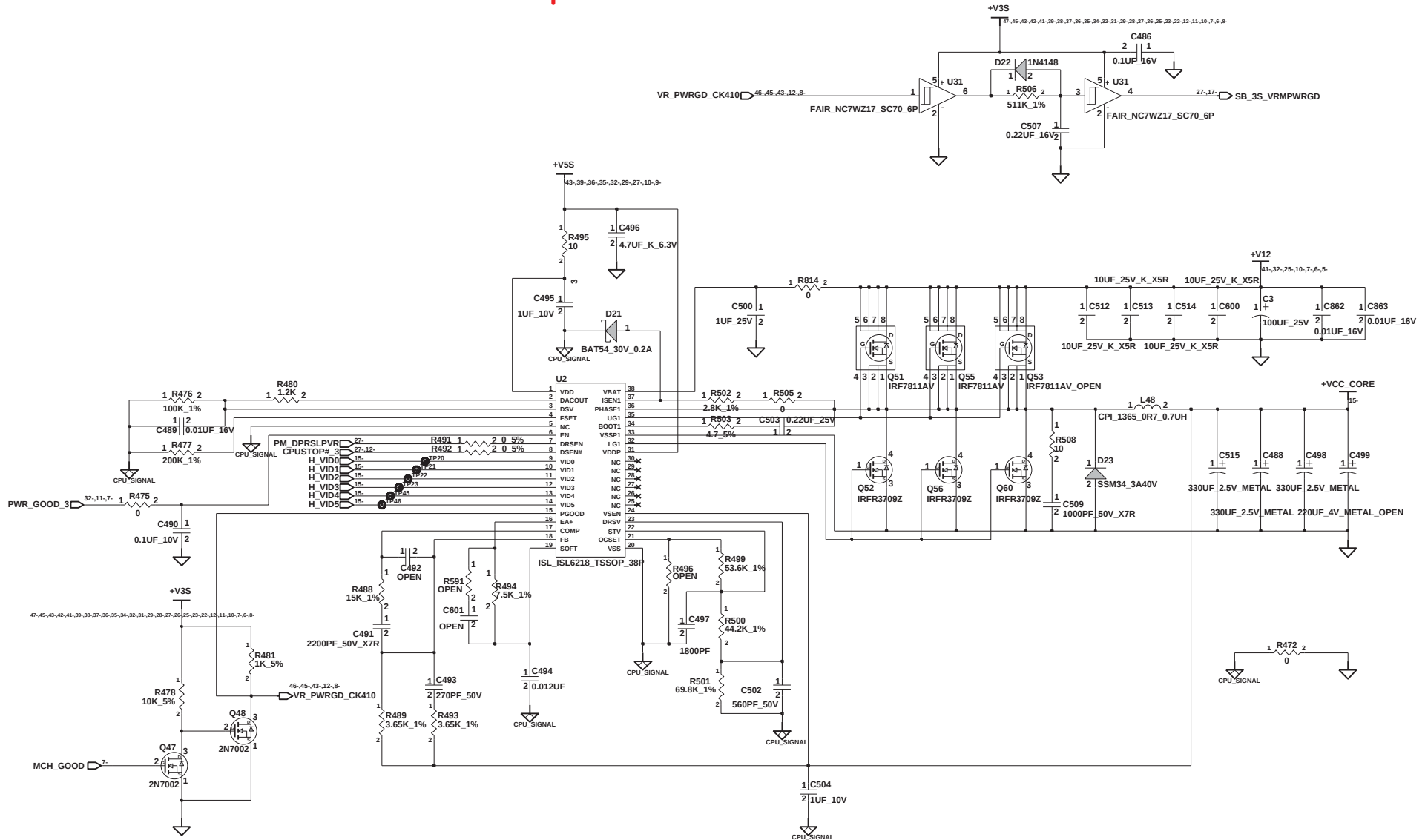
SHEET **6** OF **47**

[illegible]

TITLE			
IslandPark SYSTEM POWER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Po90	AX1
SHEET 7 OF 47			

SIZE A3	CODE CS	DOC. NUMBER <i>Po90</i>	REV AX1
SHEET		7	OF 47

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INVENTEC

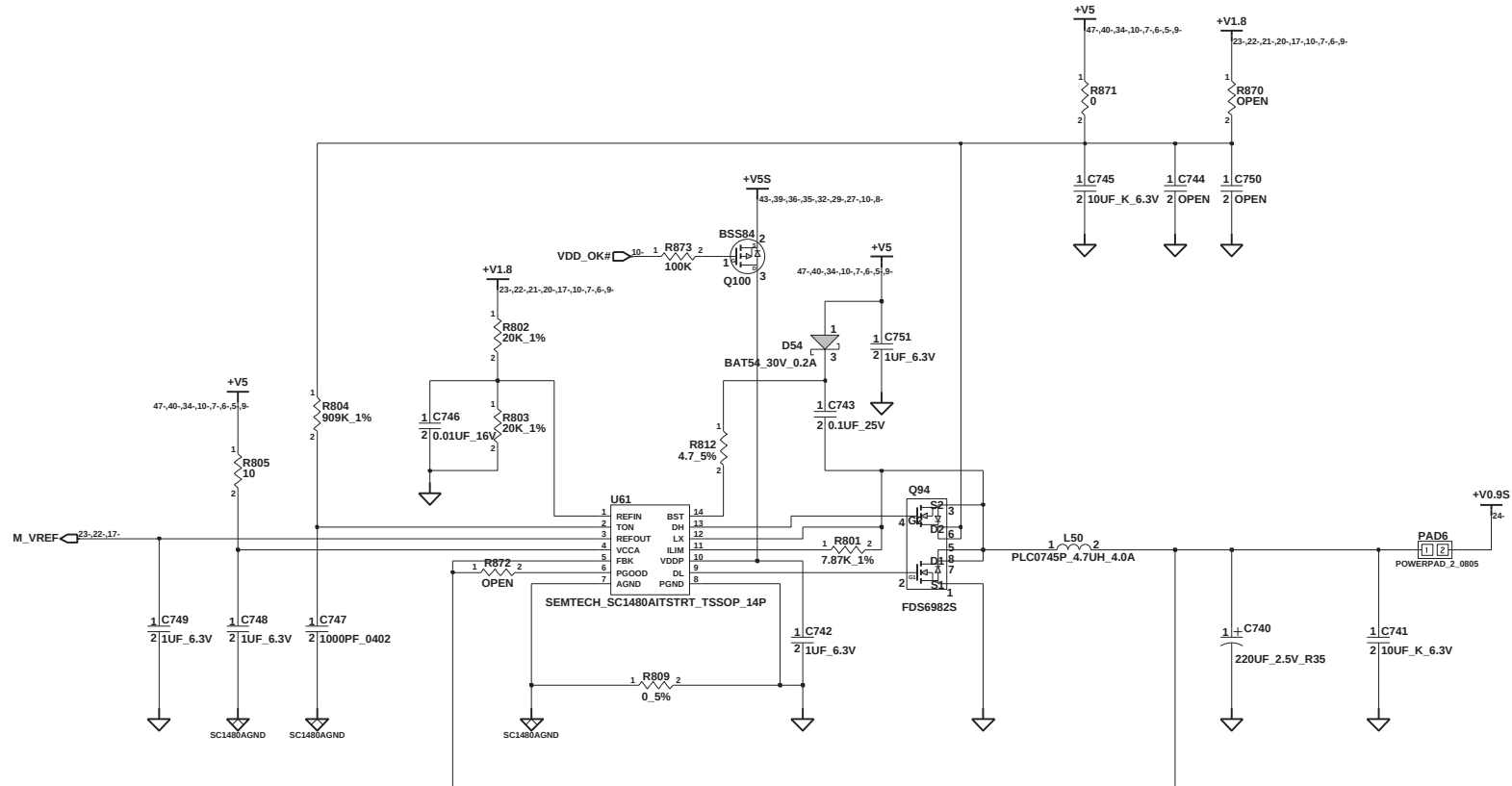
TITLE
IslandPark
CPU POWER(VCC_CORE)

SIZE A3	CODE CS	DOC. NUMBER Po90	REV AX1
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CHANGE by **CHEN TE-YU** 30-Sep-2004

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INVENTEC

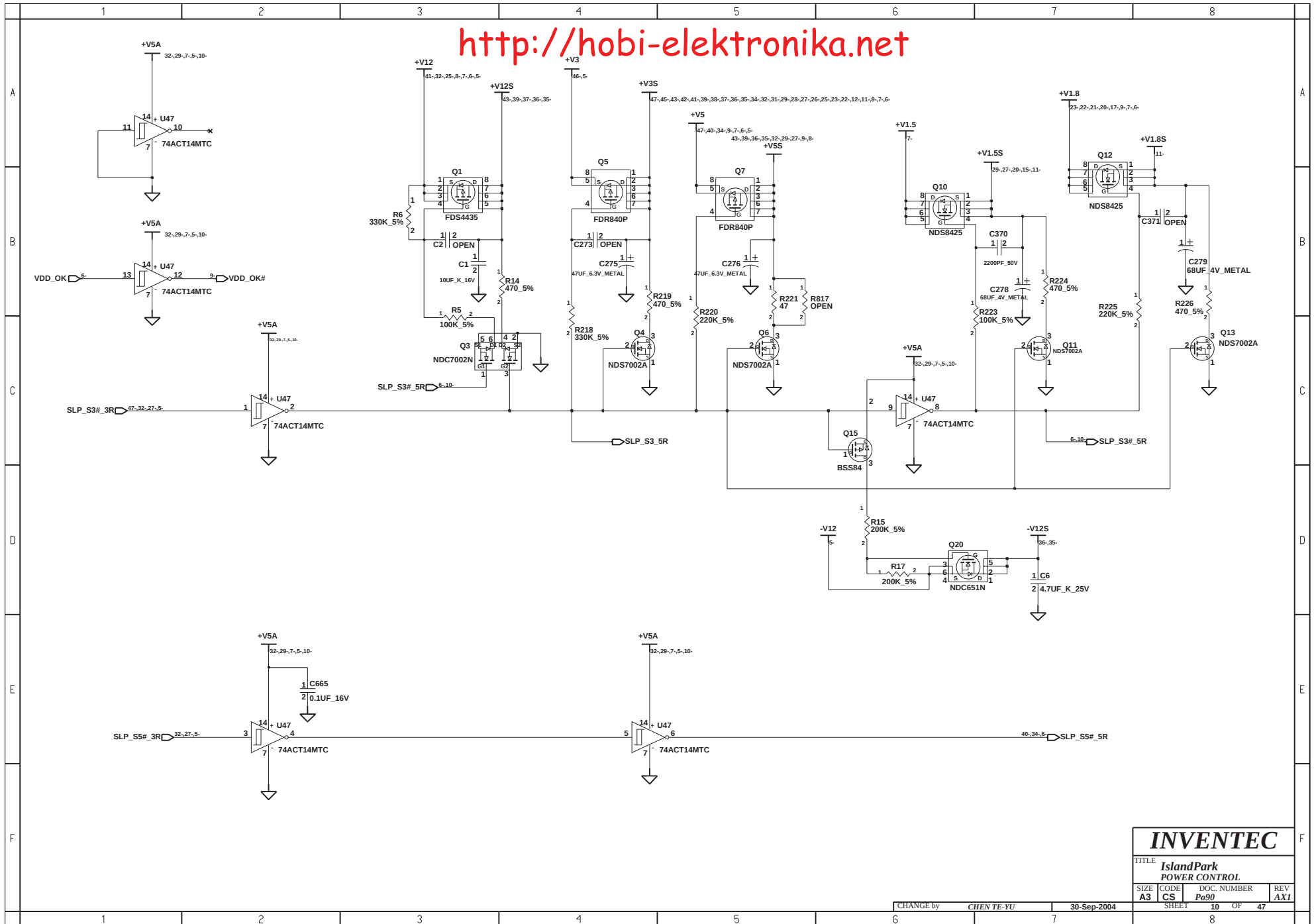
TITLE **IslandPark
DDR POWER**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Po90	AXI

CHANGE by **CHEN TE-YU** 30-Sep-2004

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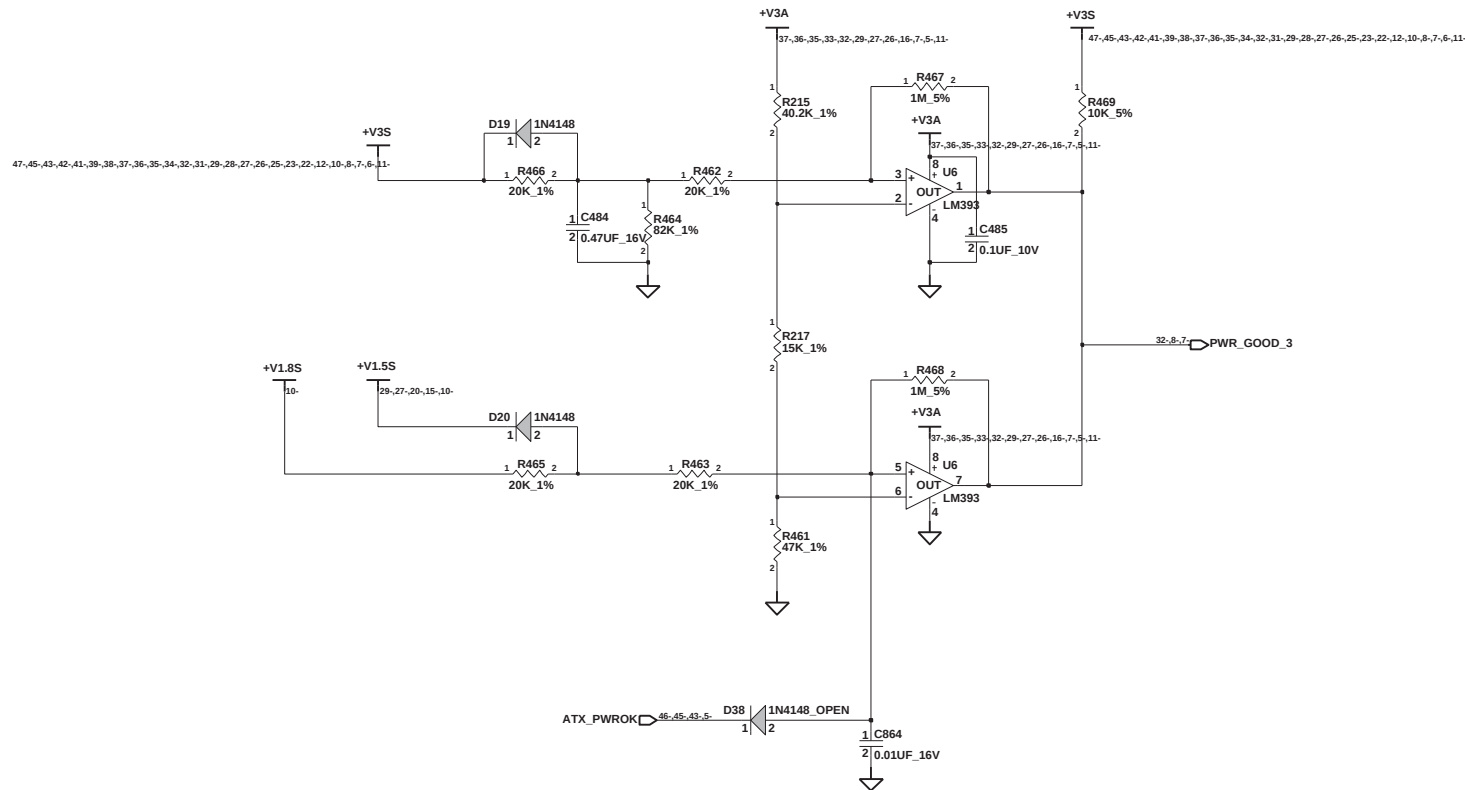
INVENTEC

TITLE			
IslandPark POWER CONTROL			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Po90	AXI

CHANGE by CHEN TE-YU 30-Sep-2004

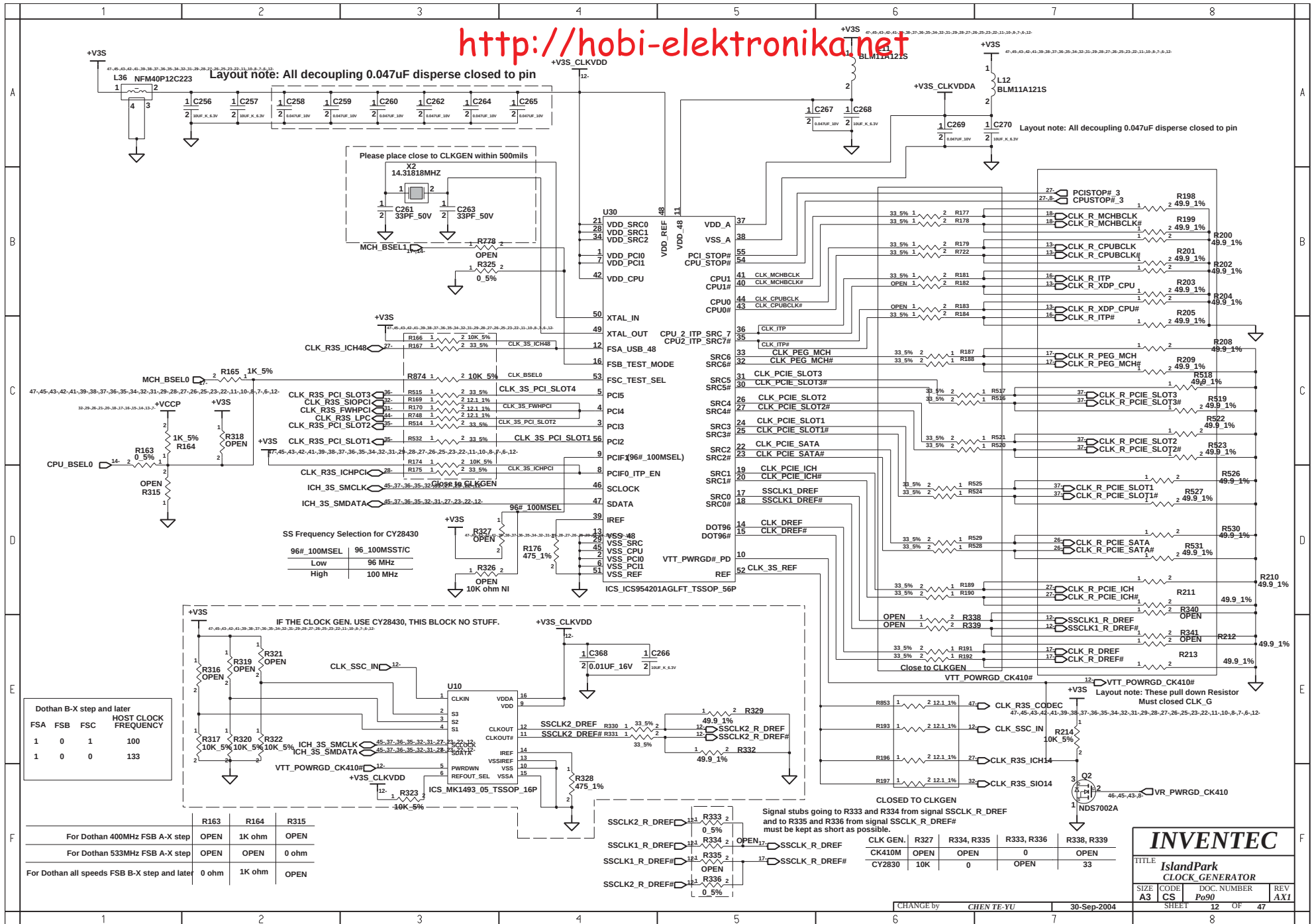
SHEET 10 OF 47

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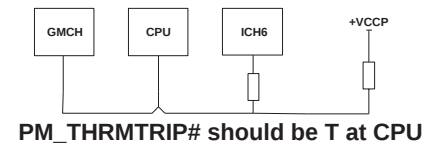
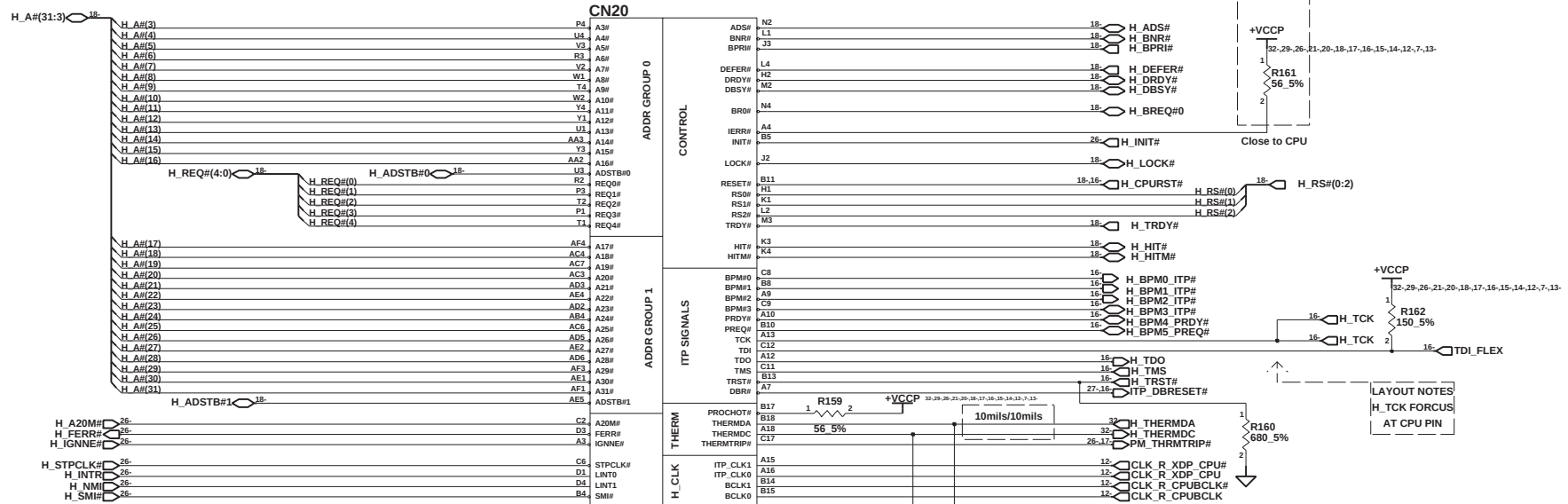


INVENTEC			
TITLE IslandPark POWER GOOD			
SIZE A3	CODE CS	DOC. NUMBER Po90	REV AXI
CHANGE by CHEN TE-YU		30-Sep-2004	
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INVENTEC

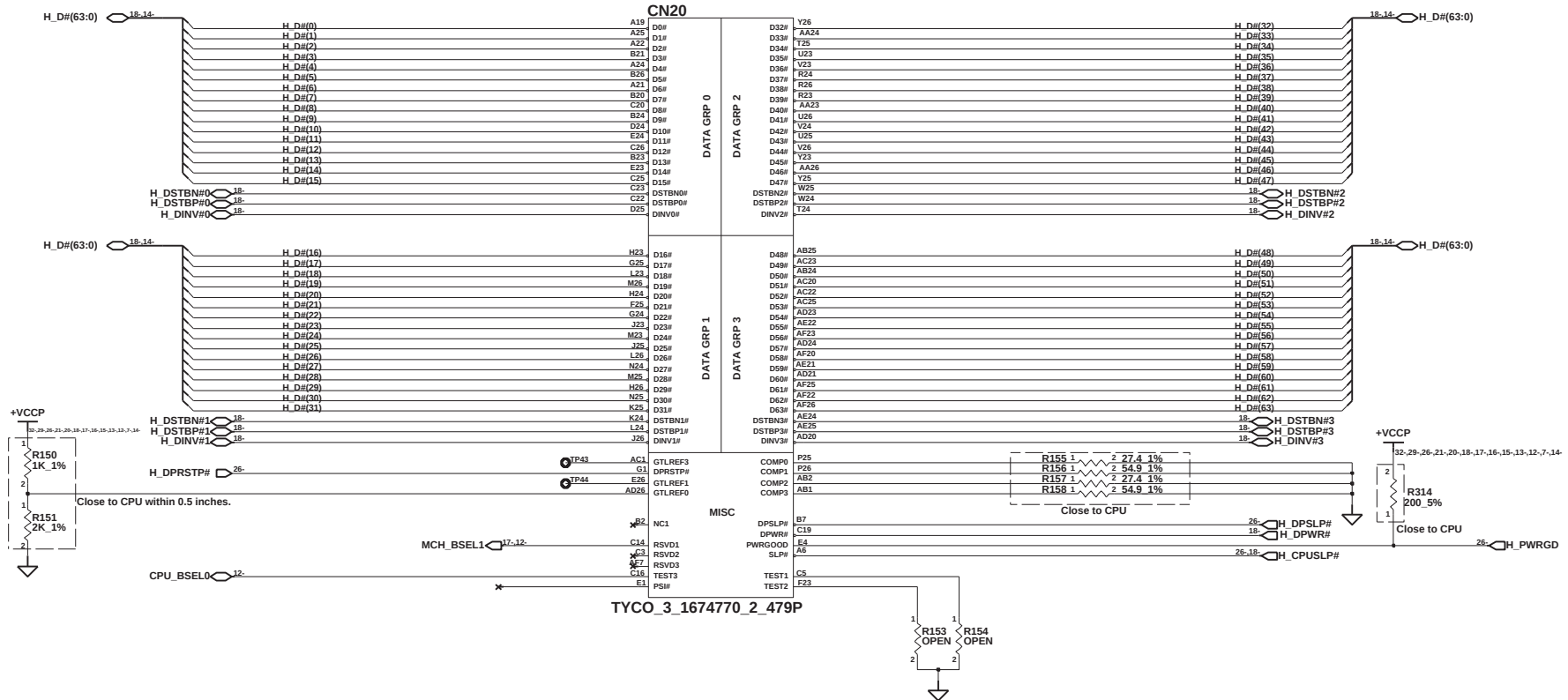
TITLE
IslandPark
DOTHAN-1

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Po90	AXI

CHANGE by **CHEN TE-YU** 30-Sep-2004

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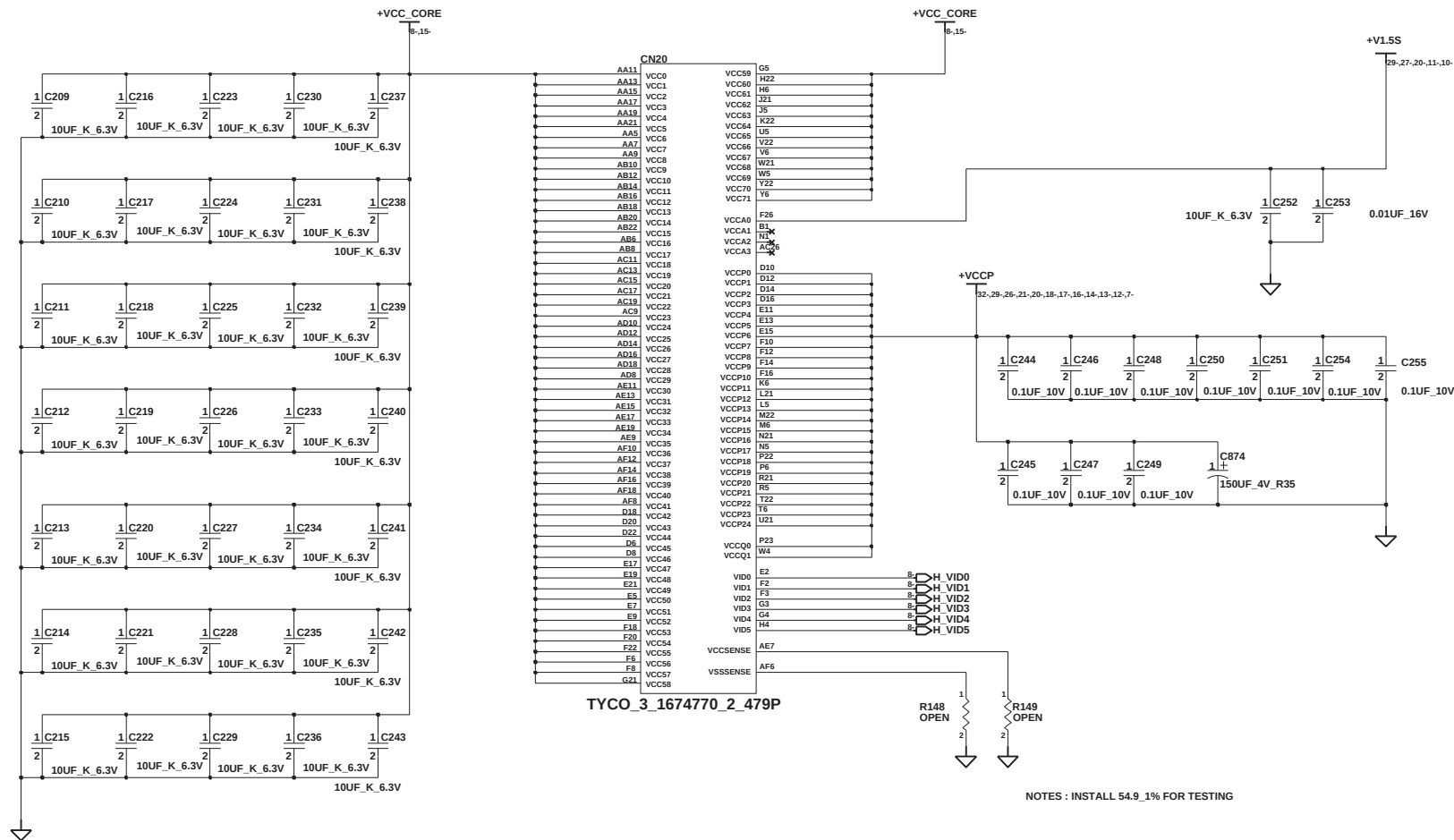
INVENTEC

TITLE			
IslandPark			
DOTHAN-2			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Po90	AXI

CHANGE by CHEN TE-YU 30-Sep-2004

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INVENTEC

TITLE
IslandPark
DOTHAN-3

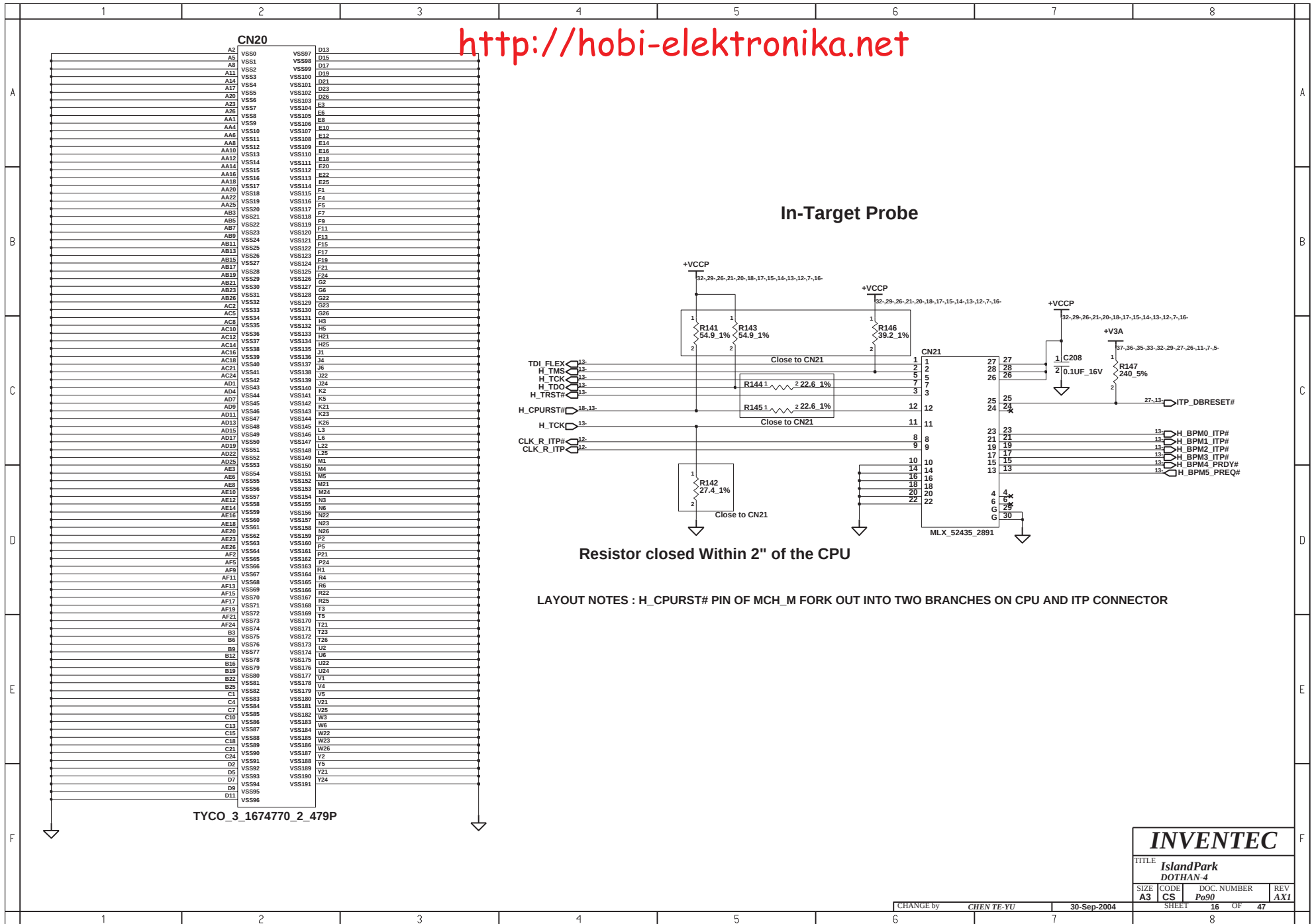
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Po90	AXI

CHANGE by **CHEN TE-YU** 30-Sep-2004

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8

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12345678

ABCDEF

NOTE: CFG[2:0] STRP:001b:533MT/5
101b:400MT/5

DMI

DMI_TXN(3:0) 27- DMI TXN(0) AA31 DMIRXN0
DMI TXN(1) AB35 DMIRXN1
DMI TXN(2) AC31 DMIRXN2
DMI TXN(3) AD35 DMIRXN3

DMI_TXP(3:0) 27- DMI TXP(0) Y31 DMIRXP0
DMI TXP(1) AB31 DMIRXP1
DMI TXP(2) AC35 DMIRXP2
DMI TXP(3) AD35 DMIRXP3

DMI_RXN(3:0) 27- DMI RXN(0) AA33 DMITXN0
DMI RXN(1) AB37 DMITXN1
DMI RXN(2) AC33 DMITXN2
DMI RXN(3) AD37 DMITXN3

DMI_RXP(3:0) 27- DMI RXP(0) Y33 DMITXP0
DMI RXP(1) AA37 DMITXP1
DMI RXP(2) AB33 DMITXP2
DMI RXP(3) AC37 DMITXP3

M_CLK_DDR0# 22- SM_CK0
M_CLK_DDR1# 22- SM_CK1
M_CLK_DDR3 22- SM_CK3
M_CLK_DDR4# 22- SM_CK4

M_CLK_DDR0# 22- SM_CK0#
M_CLK_DDR1# 22- SM_CK1#
M_CLK_DDR3# 22- SM_CK3#
M_CLK_DDR4# 22- SM_CK4#

M_CKE0 24-23- SM_CKE0
M_CKE1 24-23- SM_CKE1
M_CKE2 24-23- SM_CKE2
M_CKE3 24-23- SM_CKE3

M_CS0# 24-23- SM_CS0#
M_CS1# 24-23- SM_CS1#
M_CS2# 24-23- SM_CS2#
M_CS3# 24-23- SM_CS3#

M_OCD0COMP1 AF22 SM_OCD0COMP1
M_OCD0COMP1 AF36 SM_OCD0COMP1

M_ODT0 24-23- AP14 SM_ODT0
M_ODT1 24-23- AL15 SM_ODT1
M_ODT2 24-23- AM11 SM_ODT2
M_ODT3 24-23- AN10 SM_ODT3

MCH_SMRCOMP1 AK10 SMRCOMP1
MCH_SMRCOMP2 AK11 SMRCOMP2
MCH_SMRCOMP3 AF37 SMRCOMP3
MCH_SMRCOMP4 AD3 SMRCOMP4
MCH_SMRCOMP5 AE27 SMRCOMP5
MCH_SMRCOMP6 AF9 SMRCOMP6
MCH_SMRCOMP7 AF10 SMRCOMP7

Layout note:
Route as short as possible

R131 40.2 1%
R132 1 40.2 1%
R133 80.6 1%
R134 80.6 1%
R135 2 80.6 1%
R136 2 80.6 1%
R137 10K 5%
R138 10K 5%
R139 24.9 1%
R140 2 80.6 1%
R141 2 80.6 1%
R142 2 80.6 1%
R143 2 80.6 1%
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R302 2 80.6 1%
R303

TITLE			
<i>IslandPark</i> <i>ALVISO-1</i>			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Po90	AX1
SHEET 17 OF 47			

CHANGE by	CHEN TE-YU	30-Sep-2004
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[illegible]

TITLE			
IslandPark ALVISO-2-HOST			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Po90	AX1
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MA_DATA(63:0)

U3

MA_DATA(0)	AG35	SADQ0
MA_DATA(1)	AH35	SADQ1
MA_DATA(2)	AL35	SADQ2
MA_DATA(3)	AL37	SADQ3
MA_DATA(4)	AH35	SADQ4
MA_DATA(5)	AJ35	SADQ5
MA_DATA(6)	AK37	SADQ6
MA_DATA(7)	AL34	SADQ7
MA_DATA(8)	AM35	SADQ8
MA_DATA(9)	AN35	SADQ9
MA_DATA(10)	AP32	SADQ10
MA_DATA(11)	AM31	SADQ11
MA_DATA(12)	AM34	SADQ12
MA_DATA(13)	AM35	SADQ13
MA_DATA(14)	AL32	SADQ14
MA_DATA(15)	AM32	SADQ15
MA_DATA(16)	AN31	SADQ16
MA_DATA(17)	AP31	SADQ17
MA_DATA(18)	AN28	SADQ18
MA_DATA(19)	AP28	SADQ19
MA_DATA(20)	AL30	SADQ20
MA_DATA(21)	AM30	SADQ21
MA_DATA(22)	AM28	SADQ22
MA_DATA(23)	AL28	SADQ23
MA_DATA(24)	AN27	SADQ24
MA_DATA(25)	AM27	SADQ25
MA_DATA(26)	AM23	SADQ26
MA_DATA(27)	AM22	SADQ27
MA_DATA(28)	AL23	SADQ28
MA_DATA(29)	AM24	SADQ29
MA_DATA(30)	AN22	SADQ30
MA_DATA(31)	AP22	SADQ31
MA_DATA(32)	AM9	SADQ32
MA_DATA(33)	AL9	SADQ33
MA_DATA(34)	AL6	SADQ34
MA_DATA(35)	AP7	SADQ35
MA_DATA(36)	AP11	SADQ36
MA_DATA(37)	AP10	SADQ37
MA_DATA(38)	AL7	SADQ38
MA_DATA(39)	AM7	SADQ39
MA_DATA(40)	AN5	SADQ40
MA_DATA(41)	AN6	SADQ41
MA_DATA(42)	AN3	SADQ42
MA_DATA(43)	AP9	SADQ43
MA_DATA(44)	AP6	SADQ44
MA_DATA(45)	AM6	SADQ45
MA_DATA(46)	AL4	SADQ46
MA_DATA(47)	AM3	SADQ47
MA_DATA(48)	AK2	SADQ48
MA_DATA(49)	AK3	SADQ49
MA_DATA(50)	AG2	SADQ50
MA_DATA(51)	AG1	SADQ51
MA_DATA(52)	AL3	SADQ52
MA_DATA(53)	AM2	SADQ53
MA_DATA(54)	AH3	SADQ54
MA_DATA(55)	AG3	SADQ55
MA_DATA(56)	AF3	SADQ56
MA_DATA(57)	AE3	SADQ57
MA_DATA(58)	AD6	SADQ58
MA_DATA(59)	AC4	SADQ59
MA_DATA(60)	AF2	SADQ60
MA_DATA(61)	AF1	SADQ61
MA_DATA(62)	AD4	SADQ62
MA_DATA(63)	AD5	SADQ63

ITL_ALVISO_UFCBGA_1257P

MB_DATA(63:0)

U3

MB_DATA(0)	AE31	SBDQ0
MB_DATA(1)	AE32	SBDQ1
MB_DATA(2)	AG32	SBDQ2
MB_DATA(3)	AG36	SBDQ3
MB_DATA(4)	AE34	SBDQ4
MB_DATA(5)	AE33	SBDQ5
MB_DATA(6)	AF31	SBDQ6
MB_DATA(7)	AF30	SBDQ7
MB_DATA(8)	AH33	SBDQ8
MB_DATA(9)	AH32	SBDQ9
MB_DATA(10)	AK31	SBDQ10
MB_DATA(11)	AG30	SBDQ11
MB_DATA(12)	AG34	SBDQ12
MB_DATA(13)	AG33	SBDQ13
MB_DATA(14)	AH31	SBDQ14
MB_DATA(15)	AJ31	SBDQ15
MB_DATA(16)	AK30	SBDQ16
MB_DATA(17)	AJ30	SBDQ17
MB_DATA(18)	AH29	SBDQ18
MB_DATA(19)	AH28	SBDQ19
MB_DATA(20)	AK29	SBDQ20
MB_DATA(21)	AH30	SBDQ21
MB_DATA(22)	AH27	SBDQ22
MB_DATA(23)	AG26	SBDQ23
MB_DATA(24)	AF24	SBDQ24
MB_DATA(25)	AG23	SBDQ25
MB_DATA(26)	AJ22	SBDQ26
MB_DATA(27)	AK22	SBDQ27
MB_DATA(28)	AH24	SBDQ28
MB_DATA(29)	AH23	SBDQ29
MB_DATA(30)	AG22	SBDQ30
MB_DATA(31)	AJ21	SBDQ31
MB_DATA(32)	AG10	SBDQ32
MB_DATA(33)	AG9	SBDQ33
MB_DATA(34)	AG8	SBDQ34
MB_DATA(35)	AH5	SBDQ35
MB_DATA(36)	AH11	SBDQ36
MB_DATA(37)	AH10	SBDQ37
MB_DATA(38)	AJ9	SBDQ38
MB_DATA(39)	AK9	SBDQ39
MB_DATA(40)	AJ7	SBDQ40
MB_DATA(41)	AK6	SBDQ41
MB_DATA(42)	AJ4	SBDQ42
MB_DATA(43)	AH5	SBDQ43
MB_DATA(44)	AK8	SBDQ44
MB_DATA(45)	AJ8	SBDQ45
MB_DATA(46)	AJ5	SBDQ46
MB_DATA(47)	AK4	SBDQ47
MB_DATA(48)	AG5	SBDQ48
MB_DATA(49)	AG4	SBDQ49
MB_DATA(50)	AD6	SBDQ50
MB_DATA(51)	AD9	SBDQ51
MB_DATA(52)	AH4	SBDQ52
MB_DATA(53)	AG6	SBDQ53
MB_DATA(54)	AE8	SBDQ54
MB_DATA(55)	AD7	SBDQ55
MB_DATA(56)	AC5	SBDQ56
MB_DATA(57)	AB8	SBDQ57
MB_DATA(58)	AB5	SBDQ58

TITLE IslandPark ALVISO-3-DDR2			
SIZE A3	CODE CS	DOC. NUMBER Po90	REV AX1

CS	P090	AXI
SHEET	19	OF 47

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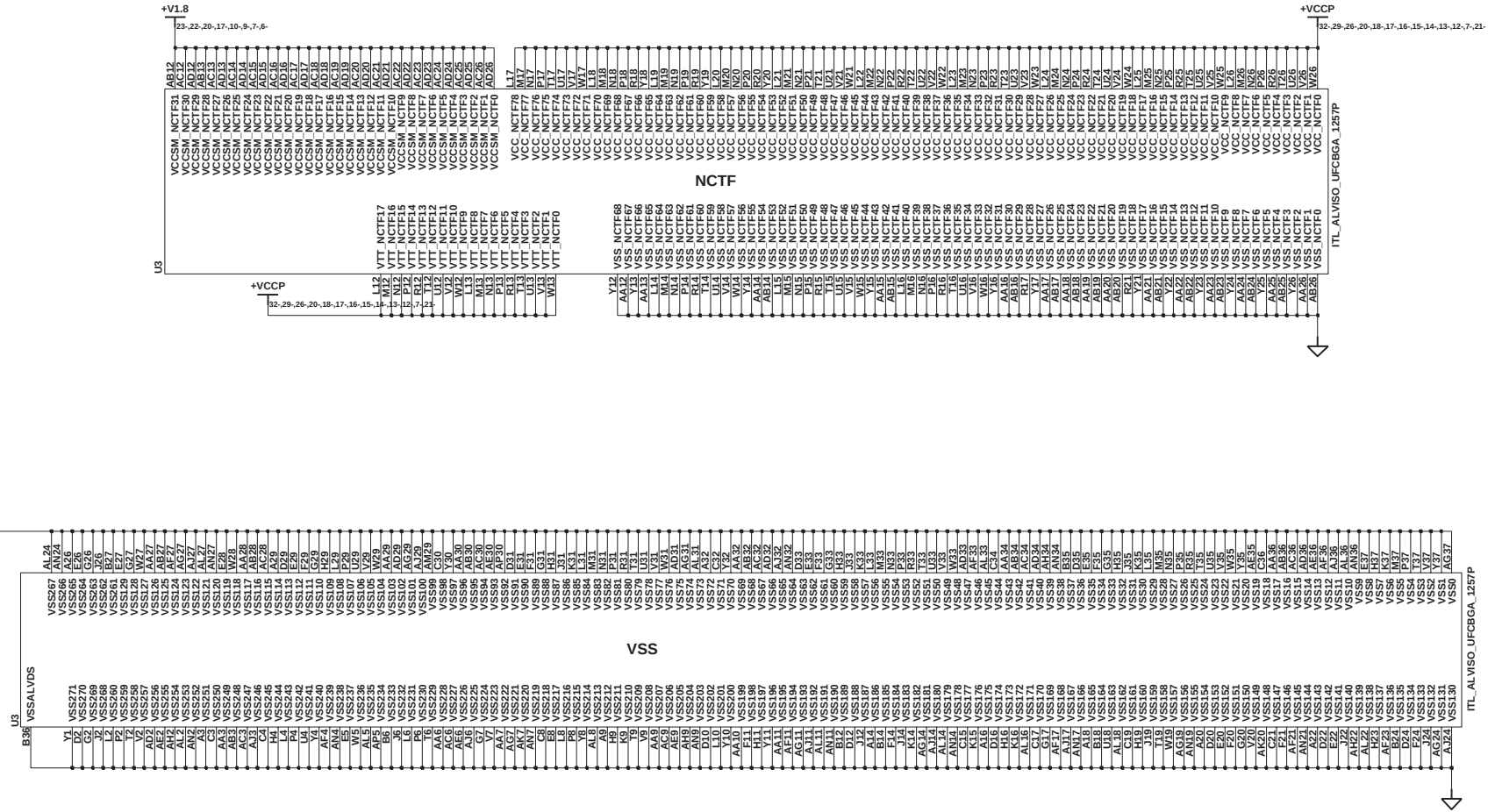
The schematic diagram illustrates the power supply and signal connections for the ALVISO-4 module. It features a central power supply section with multiple voltage rails: +V1.5S, +V2.5S, +V1.8, +V1.5S_PEG, +V1.5S_3GBLL, +V1.5S_3GBG, +V1.5S_DORDLL, and +V1.5S. These rails are connected to various components including capacitors (C49, C297, C55, C298, C57, C58, C62, C79, C50, C53, C59, C61, C63, C66, C67, C68, C72, C75, C80, C74, C79, C77, C73, C76, C78, C300, C64, C367, C69, C70, C302, C46, C47, C48, C51, C54, C56, C60, C299, C732, C303, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100, C101, C102, C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C118, C119, C120, C121, C122, C123, C124, C125, C126, C127, C128, C129, C130, C131, C132, C133, C134, C135, C136, C137, C138, C139, C140, C141, C142, C143, C144, C145, C146, C147, C148, C149, C150, C151, C152, C153, C154, C155, C156, C157, C158, C159, C160, C161, C162, C163, C164, C165, C166, C167, C168, C169, C170, C171, C172, C173, C174, C175, C176, C177, C178, C179, C180, C181, C182, C183, C184, C185, C186, C187, C188, C189, C190, C191, C192, C193, C194, C195, C196, C197, C198, C199, C200, C201, C202, C203, C204, C205, C206, C207, C208, C209, C210, C211, C212, C213, C214, C215, C216, C217, C218, C219, C220, C221, C222, C223, C224, C225, C226, C227, C228, C229, C230, C231, C232, C233, C234, C235, C236, C237, C238, C239, C240, C241, C242, C243, C244, C245, C246, C247, C248, C249, C250, C251, C252, C253, C254, C255, C256, C257, C258, C259, C260, C261, C262, C263, C264, C265, C266, C267, C268, C269, C270, C271, C272, C273, C274, C275, C276, C277, C278, C279, C280, C281, C282, C283, C284, C285, C286, C287, C288, C289, C290, C291, C292, C293, C294, C295, C296, C297, C298, C299, C300, C301, C302, C303, C304, C305, C306, C307, C308, C309, C310, C311, C312, C313, C314, C315, C316, C317, C318, C319, C320, C321, C322, C323, C324, C325, C326, C327, C328, C329, C330, C331, C332, C333, C334, C335, C336, C337, C338, C339, C340, C341, C342, C343, C344, C345, C346, C347, C348, C349, C350, C351, C352, C353, C354, C355, C356, C357, C358, C359, C360, C361, C362, C363, C364, C365, C366, C367, C368, C369, C370, C371, C372, C373, C374, C375, C376, C377, C378, C379, C380, C381, C382, C383, C384, C385, C386, C387, C388, C389, C390, C391, C392, C393, C394, C395, C396, C397, C398, C399, C400, C401, C402, C403, C404, C405, C406, C407, C408, C409, C410, C411, C412, C413, C414, C415, C416, C417, C418, C419, C420, C421, C422, C423, C424, C425, C426, C427, C428, C429, C430, C431, C432, C433, C434, C435, C436, C437, C438, C439, C440, C441, C442, C443, C444, C445, C446, C447, C448, C449, C450, C451, C452, C453, C454, C455, C456, C457, C458, C459, C460, C461, C462, C463, C464, C465, C466, C467, C468, C469, C470, C471, C472, C473, C474, C475, C476, C477, C478, C479, C480, C481, C482, C483, C484, C485, C486, C487, C488, C489, C490, C491, C492, C493, C494, C495, C496, C497, C498, C499, C500, C501, C502, C503, C504, C505, C506, C507, C508, C509, C510, C511, C512, C513, C514, C515, C516, C517, C518, C519, C520, C521, C522, C523, C524, C525, C526, C527, C528, C529, C530, C531, C532, C533, C534, C535, C536, C537, C538, C539, C540, C541, C542, C543, C544, C545, C546, C547, C548, C549, C550, C551, C552, C553, C554, C555, C556, C557, C558, C559, C560, C561, C562, C563, C564, C565, C566, C567, C568, C569, C570, C571, C572, C573, C574, C575, C576, C577, C578, C579, C580, C581, C582, C583, C584, C585, C586, C587, C588, C589, C590, C591, C592, C593, C594, C595, C596, C597, C598, C599, C600, C601, C602, C603, C604, C605, C606, C607, C608, C609, C610, C611, C612, C613, C614, C615, C616, C617, C618, C619, C620, C621, C622, C623, C624, C625, C626, C627, C628, C629, C630, C631, C632, C633, C634, C635, C636, C637, C638, C639, C640, C641, C642, C643, C644, C645, C646, C647, C648, C649, C650, C651, C652, C653, C654, C655, C656, C657, C658, C659, C660, C661, C662, C663, C664, C665, C666, C667, C668, C669, C670, C671, C672, C673, C674, C675, C676, C677, C678, C679, C680, C681, C682, C683, C684, C685, C686, C687, C688, C689, C690, C691, C692, C693, C694, C695, C696, C697, C698, C699, C700, C701, C702, C703, C704, C705, C706, C707, C708, C709, C710, C711, C712, C713, C714, C715, C716, C717, C718, C719, C720, C721, C722, C723, C724, C725, C726, C727, C728, C729, C730, C731, C732, C733, C734, C735, C736, C737, C738, C739, C740, C741, C742, C743, C744, C745, C746, C747, C748, C749, C750, C751, C752, C753, C754, C755, C756, C757, C758, C759, C760, C761, C762, C763, C764, C765, C766, C767, C768, C769, C770, C771, C772, C773, C774, C775, C776, C777, C778, C779, C780, C781, C782, C783, C784, C785, C786, C787, C788, C789, C790, C791, C792, C793, C794, C795, C796, C797, C798, C799, C800, C801, C802, C803, C804, C805, C806, C807, C808, C809, C810, C811, C812, C813, C814, C815, C816, C817, C818, C819, C820, C821, C822, C823, C824, C825, C826, C827, C828, C829, C830, C831, C832,

TITLE			
IslandPark ALVISO-4-POWER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Po90	AX
SHEET		20	OF 47

CHANGE by	CHEN TE-YU	30-Sep-2004
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A3	CS	P090	AA
SHEET		20	OF 47

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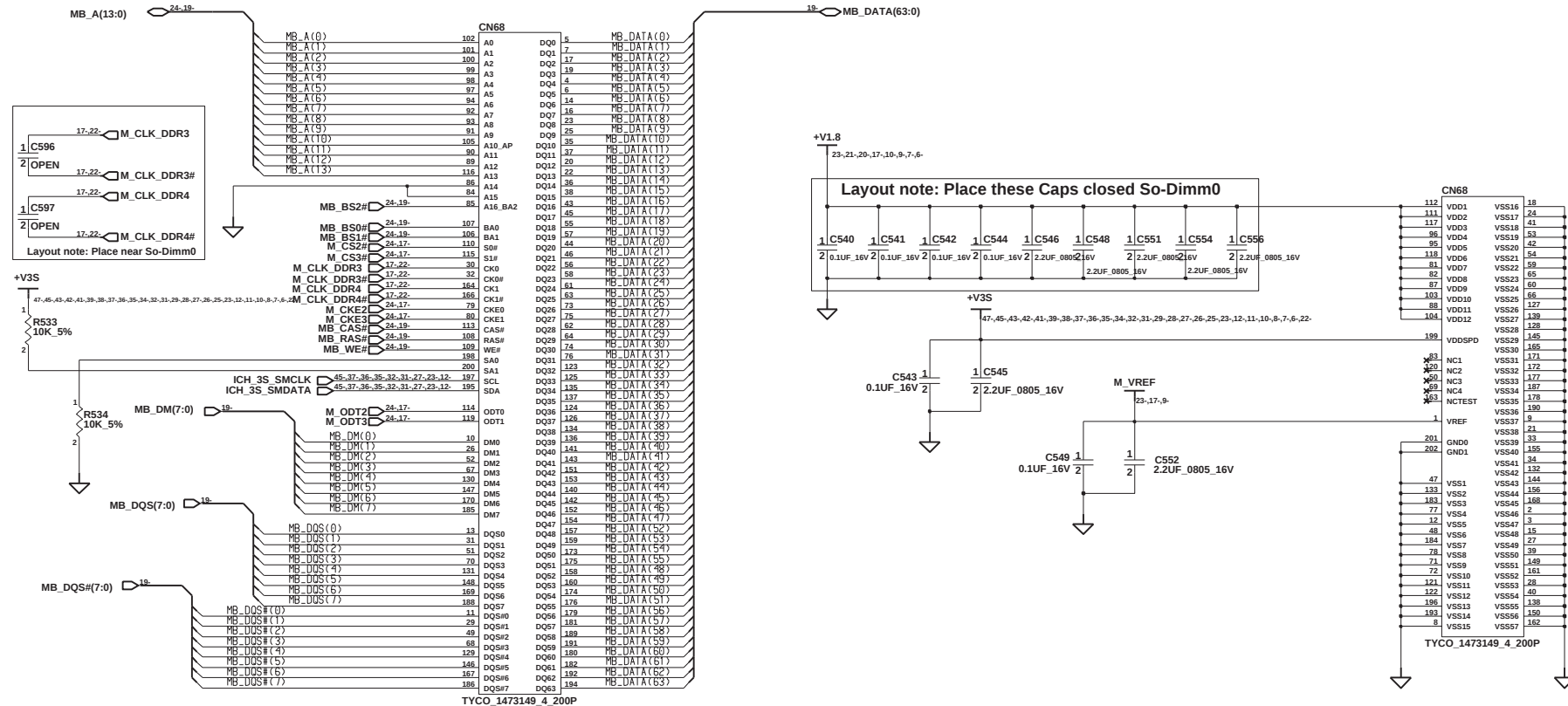
INVENTEC

TITLE IslandPark ALVISO-5-POWER			
SIZE A3	CODE CS	DOC. NUMBER Po90	REV AX1
SHEET 21		OF 47	

CHANGE by CHEN TE-YU 30-Sep-2004

1 2 3 4 5 6 7 8

<http://hobi-elektronika.net>



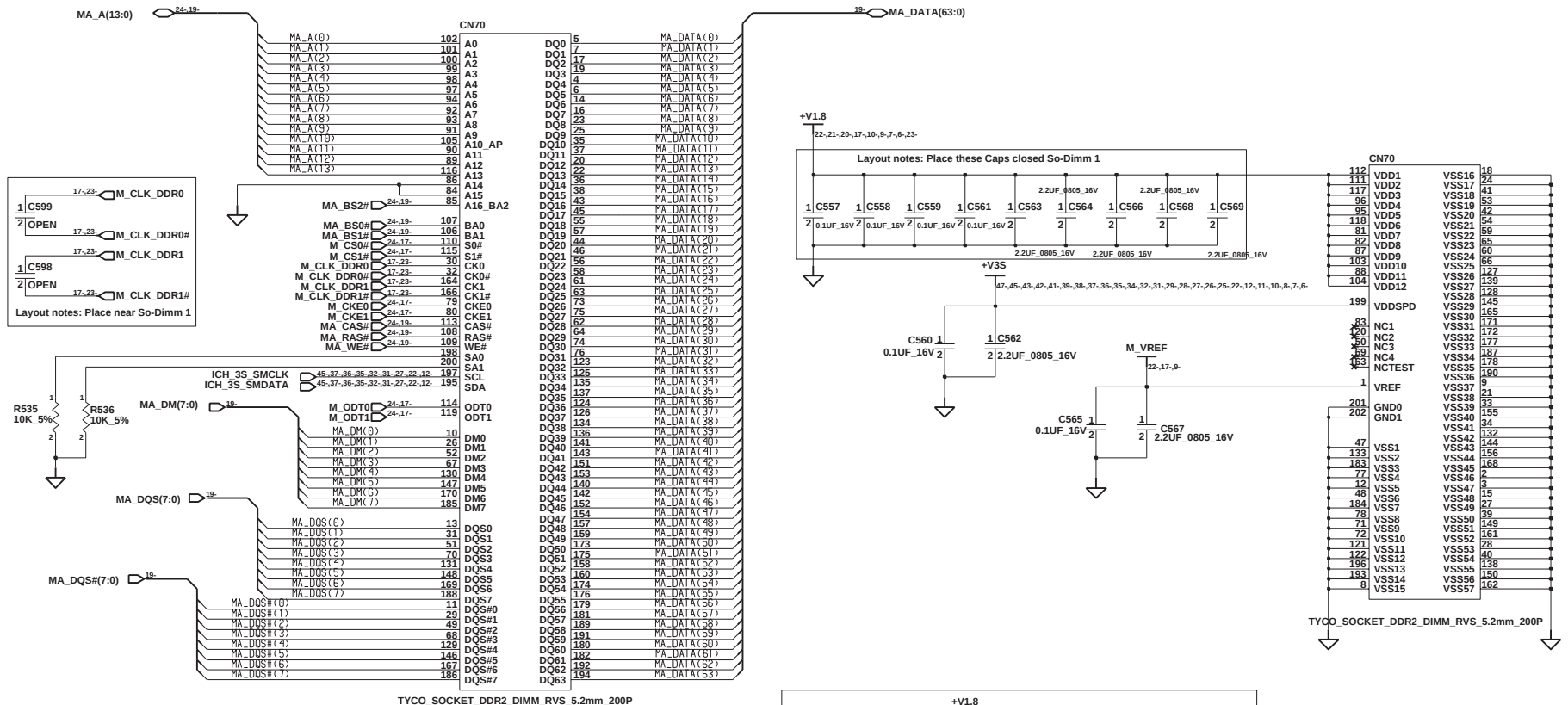
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INVENTEC

TITLE
IslandPark
DDR2 DIMM0

SIZE CODE DOC. NUMBER REV
A3 CS Po90 SHEET 22 OF 47 AXI

CHANGE by CHEN TE-YU 30-Sep-2004



SO DIMM1 5.2mm

INVENTEC

TITLE
**IslandPark
DDR2 DIMM1**

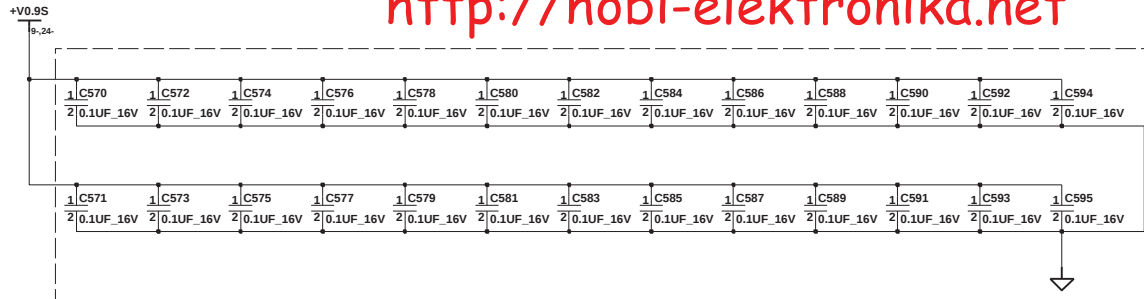
SIZE CODE DOC. NUMBER REV
A3 CS Po90

SHEET 23 OF 47

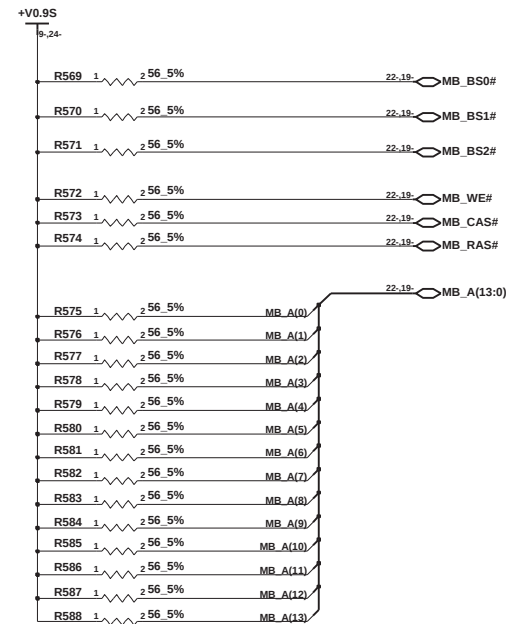
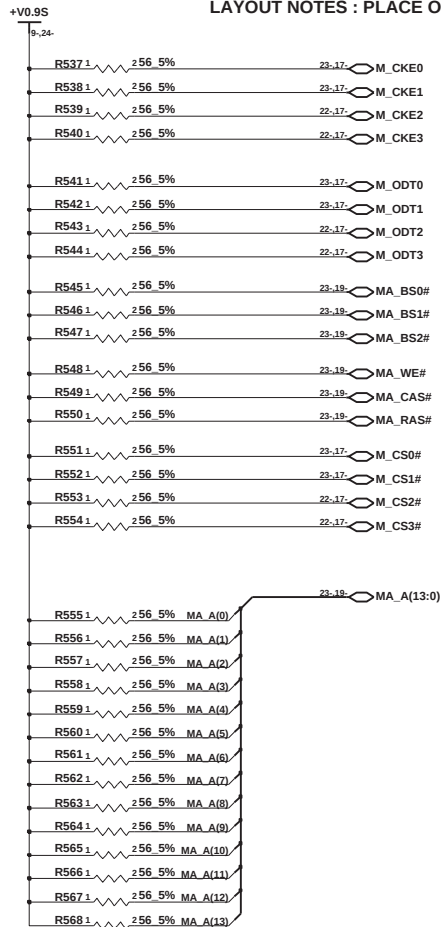
CHANGE by CHEN TE-YU 30-Sep-2004

8

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LAYOUT NOTES : PLACE ONE CAP CLOSE TO EVERY 2 PULL UP RESISTOR TERMINATED TO +V0.9S



INVENTEC

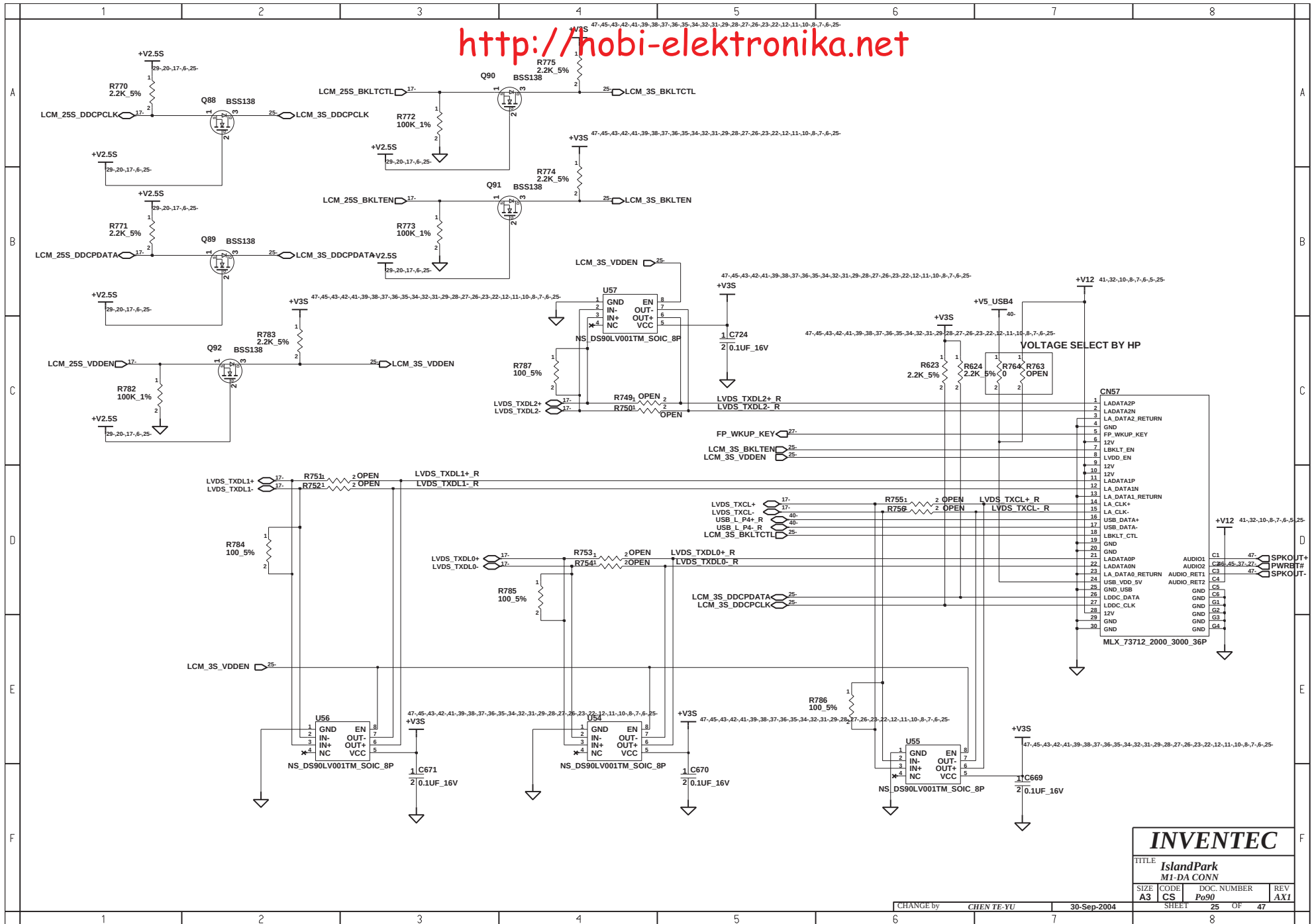
TITLE
IslandPark
DDR2 DAMPING

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Po90	AXI

CHANGE by CHEN TE-YU 30-Sep-2004

SHEET 24 OF 47

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INVENTEC

TITLE
**IslandPark
M1-DA Conn**

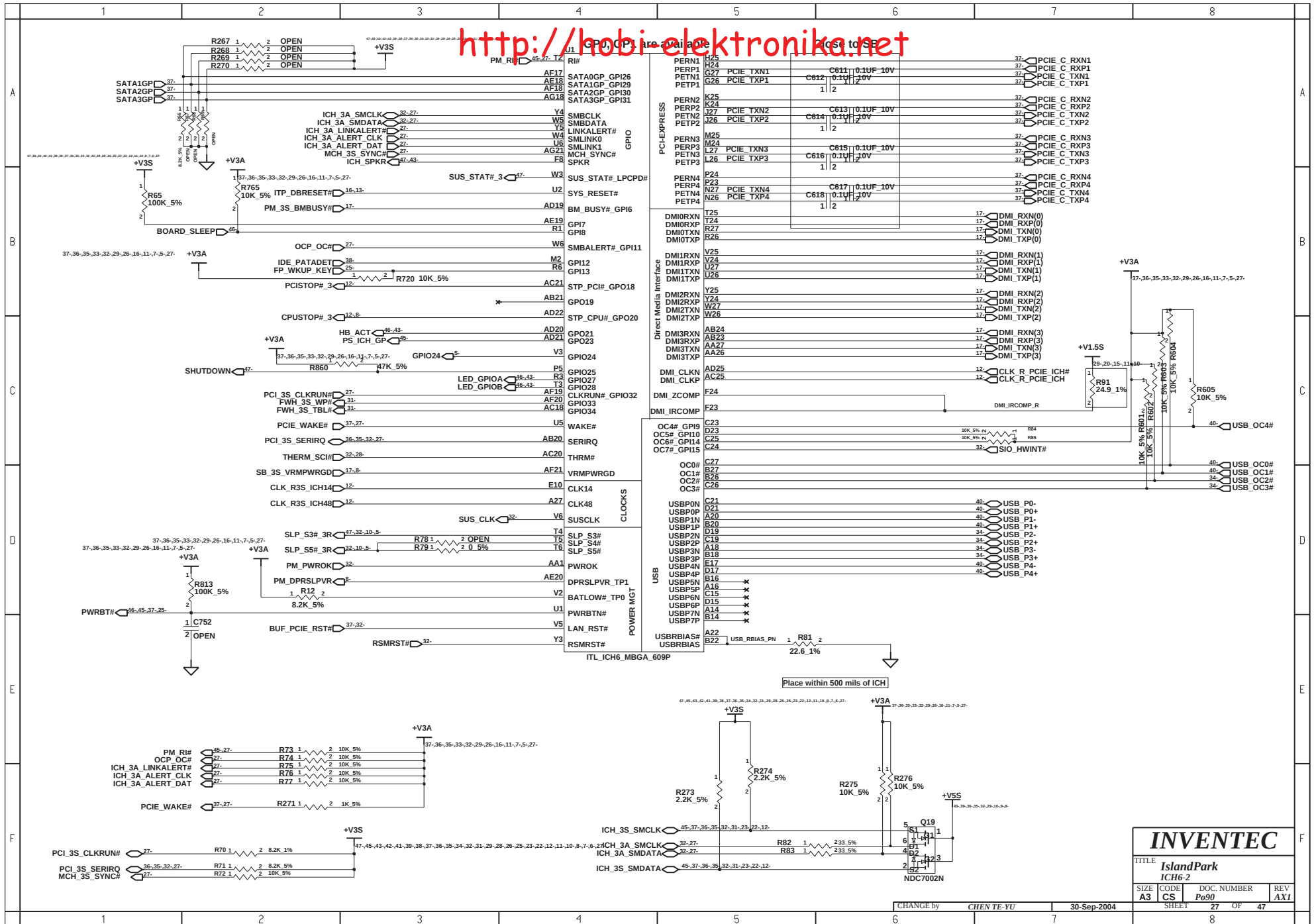
SIZE A3	CODE CS	DOC. NUMBER Po90	REV AXI
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CHANGE by **CHEN TE-YU** 30-Sep-2004

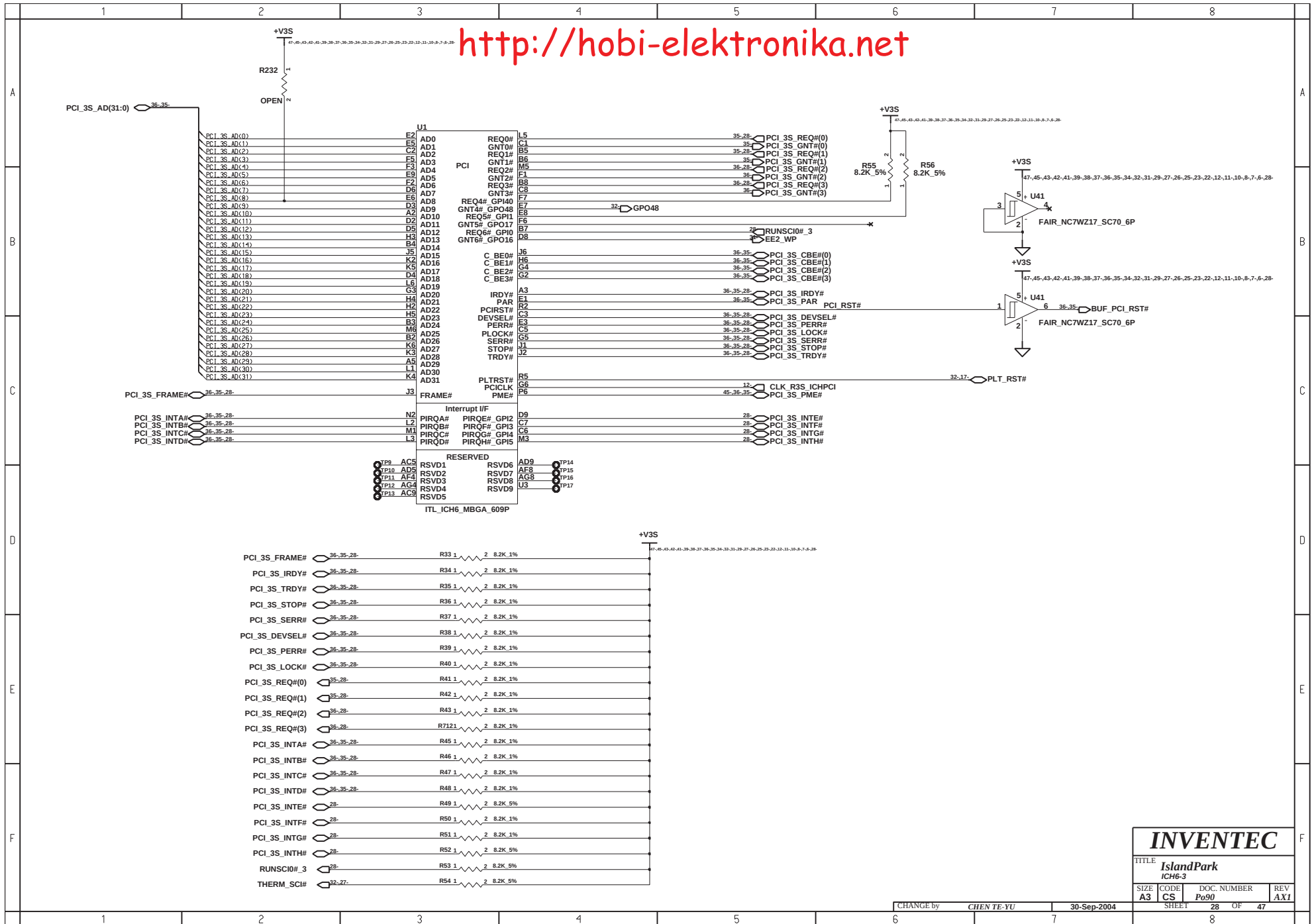
SHEET 25 OF 47

SIZE A3	CODE CS	DOC. NUMBER <i>Po90</i>	RE AX
SHEET 26 OF 47			

<http://hobielektronika.net>



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[illegible]

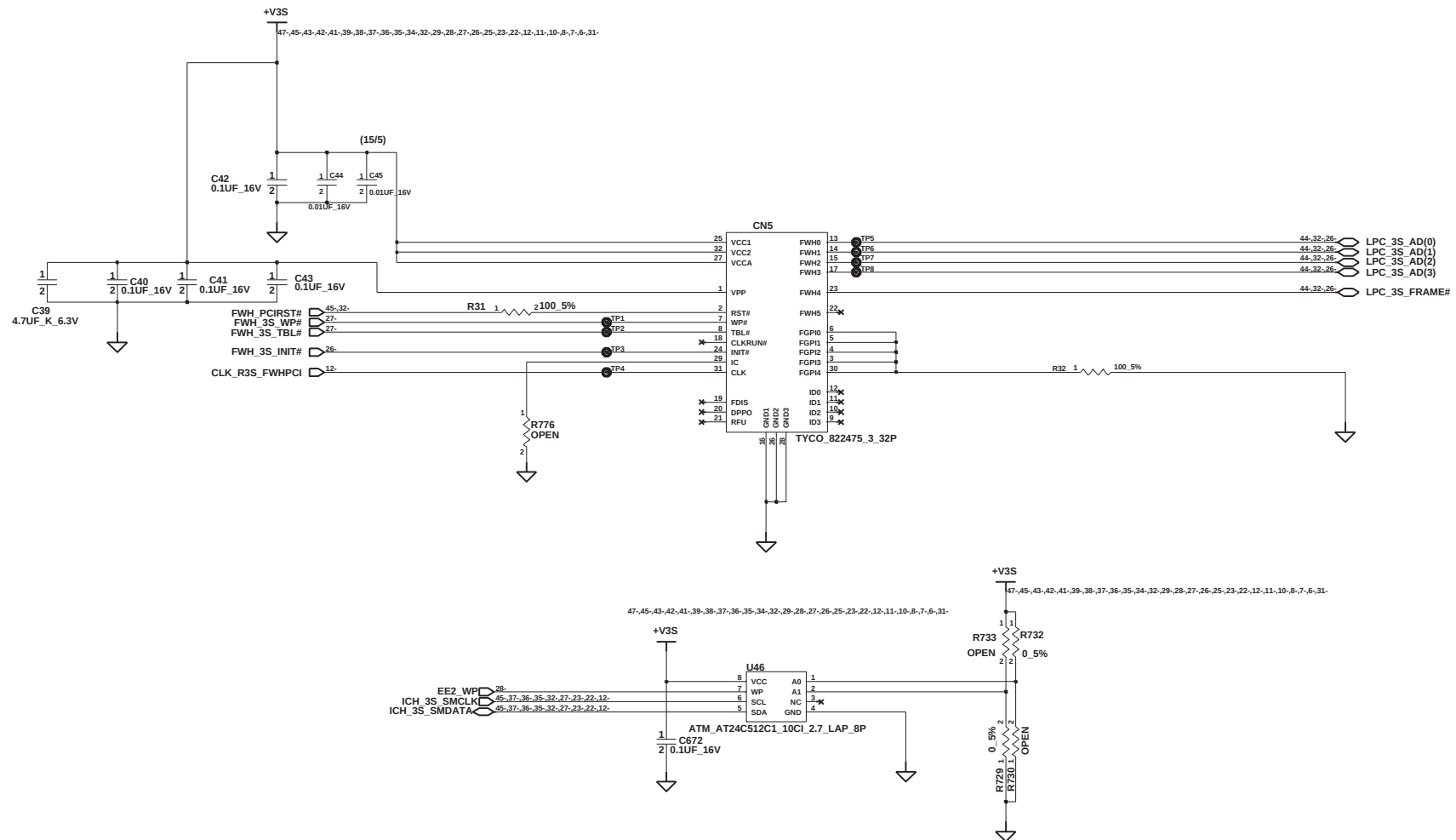
<http://hobi-elektronika.net>

U1	
E27	VSS172
Y6	VSS171
Y27	VSS170
Y26	VSS169
Y23	VSS168
W7	VSS167
W25	VSS166
W24	VSS165
W23	VSS164
W1	VSS163
V4	VSS162
V27	VSS161
V26	VSS160
V23	VSS159
U25	VSS158
U23	VSS157
U15	VSS156
U13	VSS155
T7	VSS154
T27	VSS153
T26	VSS152
T23	VSS151
T16	VSS150
T15	VSS149
T14	VSS148
T13	VSS147
T12	VSS146
T1	VSS145
R4	VSS144
R25	VSS143
R24	VSS142
R23	VSS141
R17	VSS140
R16	VSS139
R15	VSS138
R14	VSS137
R13	VSS136
R12	VSS135
R11	VSS134
P22	VSS133
P16	VSS132
P15	VSS131
P14	VSS130
P13	VSS129
P12	VSS128
N7	VSS127
N17	VSS126
N16	VSS125
N15	VSS124
N14	VSS123
N13	VSS122
N12	VSS121
N11	VSS120
M4	VSS119
M27	VSS118
M26	VSS117
M23	VSS116
M16	VSS115
M15	VSS114
M14	VSS113
M13	VSS112
M12	VSS111
L25	VSS110
L24	VSS109
L23	VSS108
L15	VSS107
L13	VSS106
K7	VSS105
K27	VSS104
K26	VSS103
K23	VSS102
K1	VSS101
J4	VSS100
J25	VSS99
J24	VSS98
H27	VSS97
H26	VSS96
H23	VSS95
G8	VSS94
G7	VSS93
G21	VSS92
G12	VSS91
G1	VSS90
	VSS89
	VSS88
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	VSS11
	VSS10
	VSS9
	VSS8
	VSS7
	VSS6
	VSS5
	VSS4
	VSS3
	VSS2
	VSS1

ITL_ICH6_MBG6_609P

INVENTEC			
TITLE IslandPark			
ICH6-5			
SIZE A3	CODE CS	DOC. NUMBER Po90	REV AXI
CHANGE by CHEN TE-YU		30-Sep-2004	
SHEET		30	OF 47
		8	

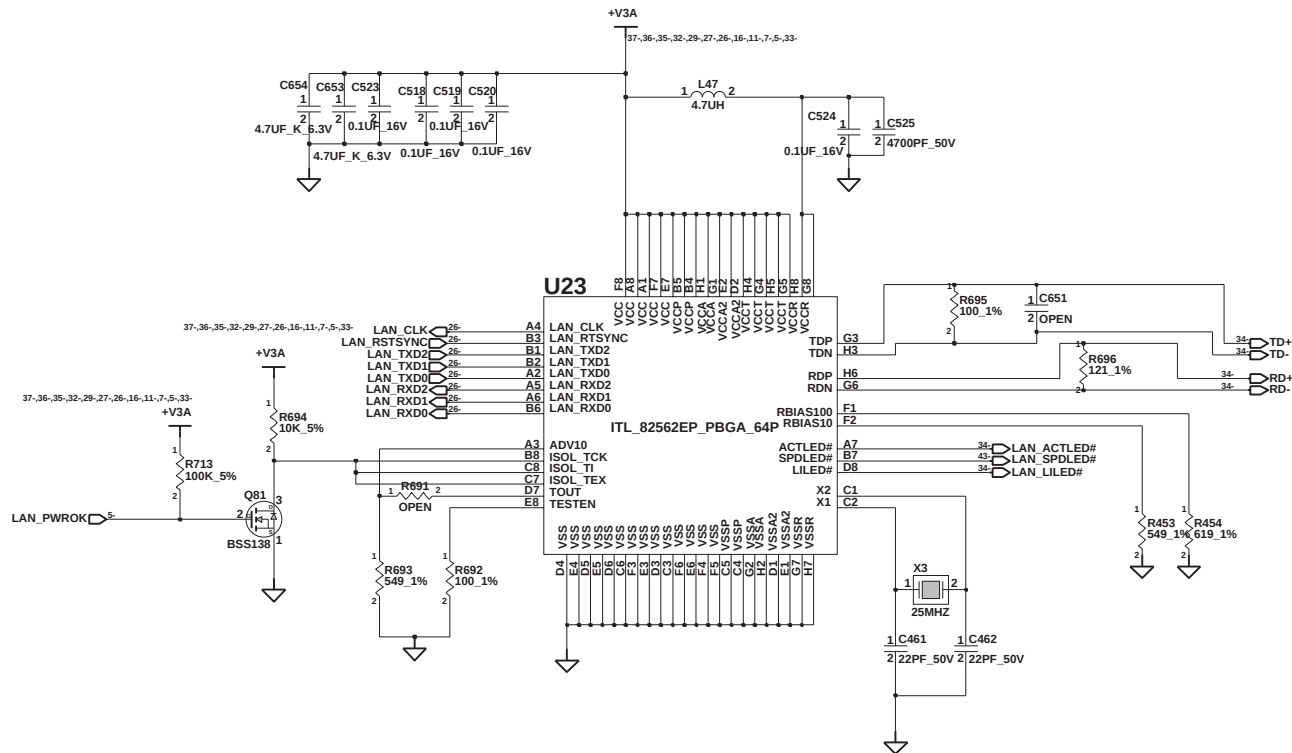
<http://hobi-elektronika.net>



INVENTEC			
TITLE IslandPark FWH			
SIZE A3	CODE CS	DOC. NUMBER Po90	REV AXI
CHANGE by CHEN TE-YU		30-Sep-2004	
SHEET 31		OF 47	
		8	

SIZE A3	CODE CS	DOC. NUMBER <i>Po90</i>	REV AX
SHEET 32 OF 47			

<http://hobi-elektronika.net>



INVENTEC

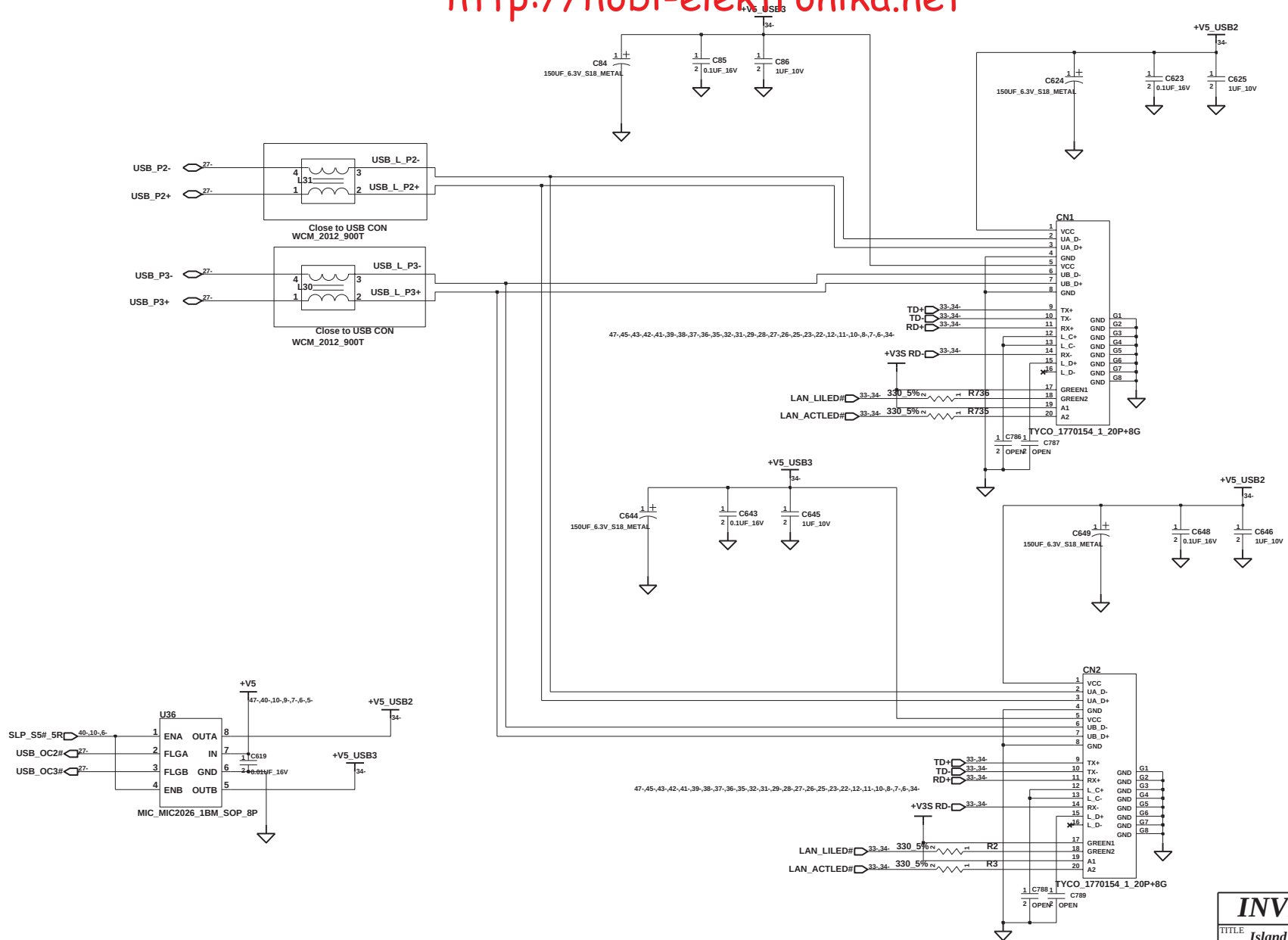
TITLE
IslandPark
LAN

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Po90	AXI

CHANGE by CHEN TE-YU 30-Sep-2004

SHEET 33 OF 47

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INVENTEC

TITLE			
IslandPark			
RJ45&USB CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Po90	AXI
SHEET		34	OF 47

CHANGE by CHEN TE-YU 30-Sep-2004

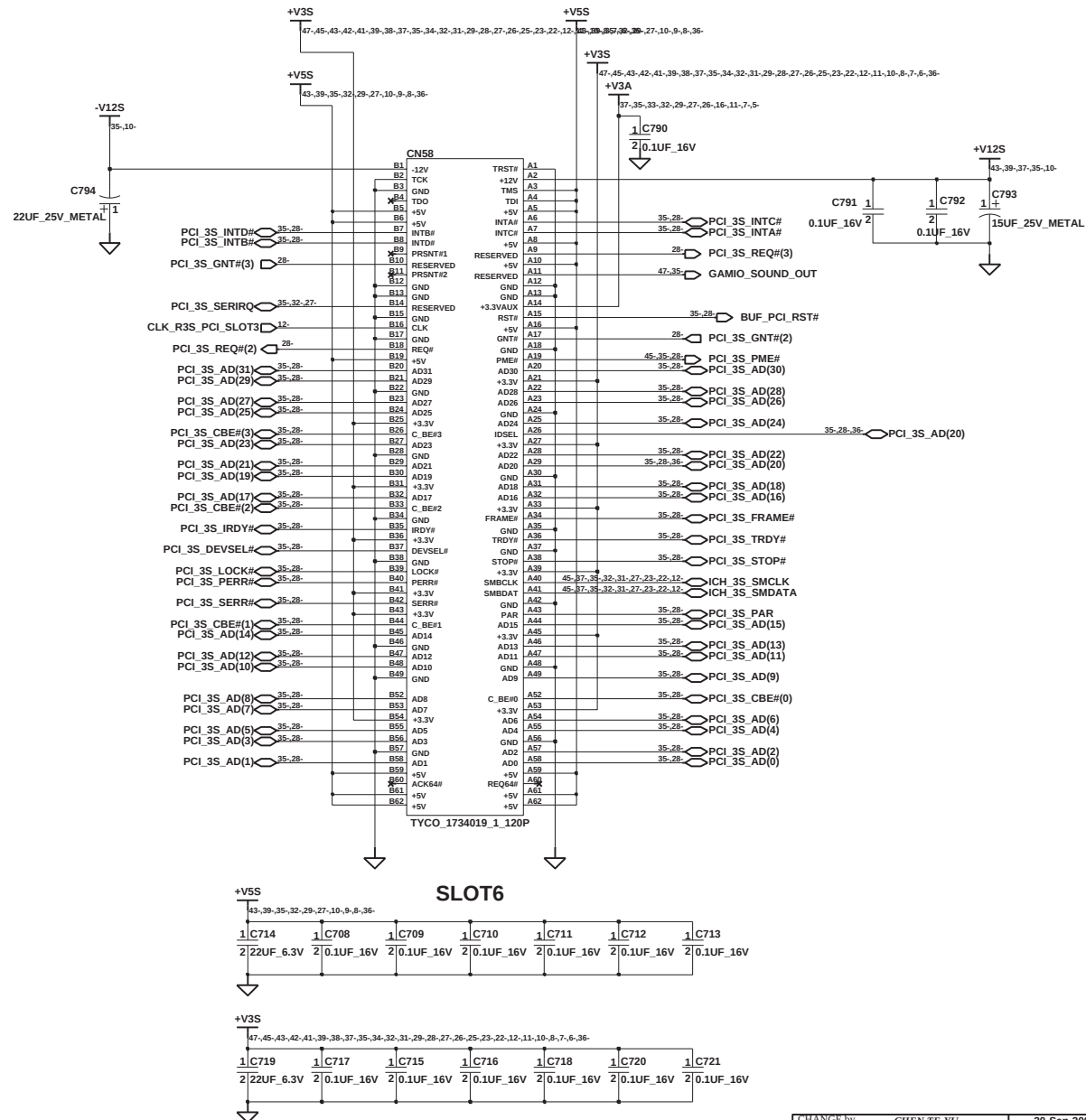
http://hobi-elektronika.net

The image shows a detailed PCB layout for a PCI slot board, divided into two main sections: SLOT4 and SLOT5. Each section contains a complex network of components and connections.

Key Components and Connections:

- Power and Ground:** +V5S, +V3S, +V3A, -V12S, and various ground connections.
- Capacitors:** C797, C798, C799, C800, C801, C802, C803, C804.
- Resistors:** 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, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62.
- ICs:** TI93C46 (U1, U2, U3, U4), TI93C46 (U5, U6, U7, U8), TI93C46 (U9, U10, U11, U12), TI93C46 (U13, U14, U15, U16), TI93C46 (U17, U18, U19, U20), TI93C46 (U21, U22, U23, U24), TI93C46 (U25, U26, U27, U28), TI93C46 (U29, U30, U31, U32), TI93C46 (U33, U34, U35, U36), TI93C46 (U37, U38, U39, U40), TI93C46 (U41, U42, U43, U44), TI93C46 (U45, U46, U47, U48), TI93C46 (U49, U50, U51, U52), TI93C46 (U53, U54, U55, U56), TI93C46 (U57, U58, U59, U60), TI93C46 (U61, U62, U63, U64), TI93C46 (U65, U66, U67, U68), TI93C46 (U69, U70, U71, U72), TI93C46 (U73, U74, U75, U76), TI93C46 (U77, U78, U79, U80), TI93C46 (U81, U82, U83, U84), TI93C46 (U85, U86, U87, U88), TI93C46 (U89, U90, U91, U92), TI93C46 (U93, U94, U95, U96), TI93C46 (U97, U98, U99, U100), TI93C46 (U101, U102, U103, U104), TI93C46 (U105, U106, U107, U108), TI93C46 (U109, U110, U111, U112), TI93C46 (U113, U114, U115, U116), TI93C46 (U117, U118, U119, U120), TI93C46 (U121, U122, U123, U124), TI93C46 (U125, U126, U127, U128), TI93C46 (U129, U130, U131, U132), TI93C46 (U133, U134, U135, U136), TI93C46 (U137, U138, U139, U140), TI93C46 (U141, U142, U143, U144), TI93C46 (U145, U146, U147, U148), TI93C46 (U149, U150, U151, U152), TI93C46 (U153, U154, U155, U156), TI93C46 (U157, U158, U159, U160), TI93C46 (U161, U162, U163, U164), TI93C46 (U165, U166, U167, U168), TI93C46 (U169, U170, U171, U172), TI93C46 (U173, U174, U175, U176), TI93C46 (U177, U178, U179, U180), TI93C46 (U181, U182, U183, U184), TI93C46 (U185, U186, U187, U188), TI93C46 (U189, U190, U191, U192), TI93C46 (U193, U194, U195, U196), TI93C46 (U197, U198, U199, U200), TI93C46 (U201, U202, U203, U204), TI93C46 (U205, U206, U207, U208), TI93C46 (U209, U210, U211, U212), TI93C46 (U213, U214, U215, U216), TI93C46 (U217, U218, U219, U220), TI93C46 (U221, U222, U223, U224), TI93C46 (U225, U226, U227, U228), TI93C46 (U229, U230, U231, U232), TI93C46 (U233, U234, U235, U236), TI93C46 (U237, U238, U239, U240), TI93C46 (U241, U242, U243, U244), TI93C46 (U245, U246, U247, U248), TI93C46 (U249, U250, U251, U252), TI93C46 (U253, U254, U255, U256), TI93C46 (U257, U258, U259, U260), TI93C46 (U261, U262, U263, U264), TI93C46 (U265, U266, U267, U268), TI93C46 (U269, U270, U271, U272), TI93C46 (U273, U274, U275, U276), TI93C46 (U277, U278, U279, U280), TI93C46 (U281, U282, U283, U284), TI93C46 (U285, U286, U287, U288), TI93C46 (U289, U290, U291, U292), TI93C46 (U293, U294, U295, U296), TI93C46 (U297, U298, U299, U300), TI93C46 (U301, U302, U303, U304), TI93C46 (U305, U306, U307, U308), TI93C46 (U309, U310, U311, U312), TI93C46 (U313, U314, U315, U316), TI93C46 (U317, U318, U319, U320), TI93C46 (U321, U322, U323, U324), TI93C46 (U325, U326, U327, U328), TI93C46 (U329, U330, U331, U332), TI93C46 (U333, U334, U335, U336), TI93C46 (U337, U338, U339, U340), TI93C46 (U341, U342, U343, U344), TI93C46 (U345, U346, U347, U348), TI93C46 (U349, U350, U351, U352), TI93C46 (U353, U354, U355, U356), TI93C46 (U357, U358, U359, U360), TI93C46 (U361, U362, U363, U364), TI93C46 (U365, U366, U367, U368), TI93C46 (U369, U370, U371, U372), TI93C46 (U373, U374, U375, U376), TI93C46 (U377, U378, U379, U380), TI93C46 (U381, U382, U383, U384), TI93C46 (U385, U386, U387, U388), TI93C46 (U389, U390, U391, U392), TI93C46 (U393, U394, U395, U396), TI93C46 (U397, U398, U399, U400), TI93C46 (U401, U402, U403, U404), TI93C46 (U405, U406, U407, U408), TI93C46 (U409, U410, U411, U412), TI93C46 (U413, U414, U415, U416), TI93C46 (U417, U418, U419, U420), TI93C46 (U421, U422, U423, U424), TI93C46 (U425, U426, U427, U428), TI93C46 (U429, U430, U431, U432), TI93C46 (U433, U434, U435, U436), TI93C46 (U437, U438, U439, U440), TI93C46 (U441, U442, U443, U444), TI93C46 (U445, U446, U447, U448), TI93C46 (U449, U450, U451, U452), TI93C46 (U453, U454, U455, U456), TI93C46 (U457, U458, U459, U460), TI93C46 (U461, U462, U463, U464), TI93C46 (U465, U466, U467, U468), TI93C46 (U469, U470, U471, U472), TI93C46 (U473, U474, U475, U476), TI93C46 (U477, U478, U479, U480), TI93C46 (U481, U482, U483, U484), TI93C46 (U485, U486, U487, U488), TI93C46 (U489, U490, U491, U492), TI93C46 (U493, U494, U495, U496), TI93C46 (U497, U498, U499, U500), TI93C46 (U501, U502, U503, U504), TI93C46 (U505, U506, U507, U508), TI93C46 (U509, U510, U511, U512), TI93C46 (U513, U514, U515, U516), TI93C46 (U517, U518, U

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INVENTEC

TITLE
IslandPark
PCI SLOT 3&4

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Po90	AXI

SHEET	OF
36	47

CHANGE by CHEN TE-YU 30-Sep-2004

8

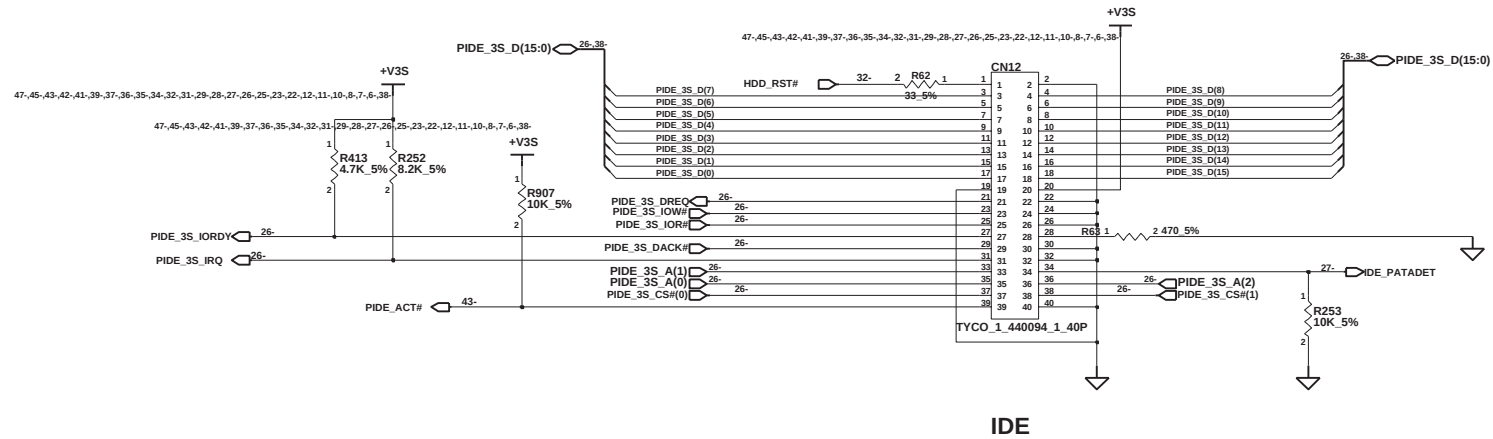
The image is a technical schematic of a PCI-Express slot PCB layout. It is divided into several sections:

- Slot Configurations:** Four slot layouts are shown, labeled SLOT1, SLOT2, SLOT3, and an unlabeled slot. Each slot layout includes pin headers for ICH_3S_SMDCLK, ICH_3S_SMDATA, PCIE_WAKE#, PCIE_C_TXP, PCIE_C_TXN, and SATA signals. It also shows connections to power planes (+V3A, +V3S, +V12S) and ground planes.
- Power Regulation:** A section at the bottom right shows a power regulation circuit with capacitors (C304, C308, C312, C305, C309, C313, C306, C310, C314) and inductors (L304, L308, L312, L305, L309, L313, L306, L310, L314) connected to a +V3S input.
- Component Footprints:** Various component footprints are shown, including resistors (R245, R246, R247, R248, R249), capacitors (C307, C311, C315, C316, C317, C318), and integrated circuits (IC1, IC2, IC3, IC4, IC5, IC6, IC7, IC8, IC9, IC10, IC11, IC12, IC13, IC14, IC15, IC16, IC17, IC18, IC19, IC20, IC21, IC22, IC23, IC24, IC25, IC26, IC27, IC28, IC29, IC30, IC31, IC32, IC33, IC34, IC35, IC36, IC37, IC38, IC39, IC40, IC41, IC42, IC43, IC44, IC45, IC46, IC47, IC48, IC49, IC50, IC51, IC52, IC53, IC54, IC55, IC56, IC57, IC58, IC59, IC60, IC61, IC62, IC63, IC64, IC65, IC66, IC67, IC68, IC69, IC70, IC71, IC72, IC73, IC74, IC75, IC76, IC77, IC78, IC79, IC80, IC81, IC82, IC83, IC84, IC85, IC86, IC87, IC88, IC89, IC90, IC91, IC92, IC93, IC94, IC95, IC96, IC97, IC98, IC99, IC100, IC101, IC102, IC103, IC104, IC105, IC106, IC107, IC108, IC109, IC110, IC111, IC112, IC113, IC114, IC115, IC116, IC117, IC118, IC119, IC120, IC121, IC122, IC123, IC124, IC125, IC126, IC127, IC128, IC129, IC130, IC131, 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SIZE A3	CODE CS	DOC. NUMBER <i>P090</i>	REV AX
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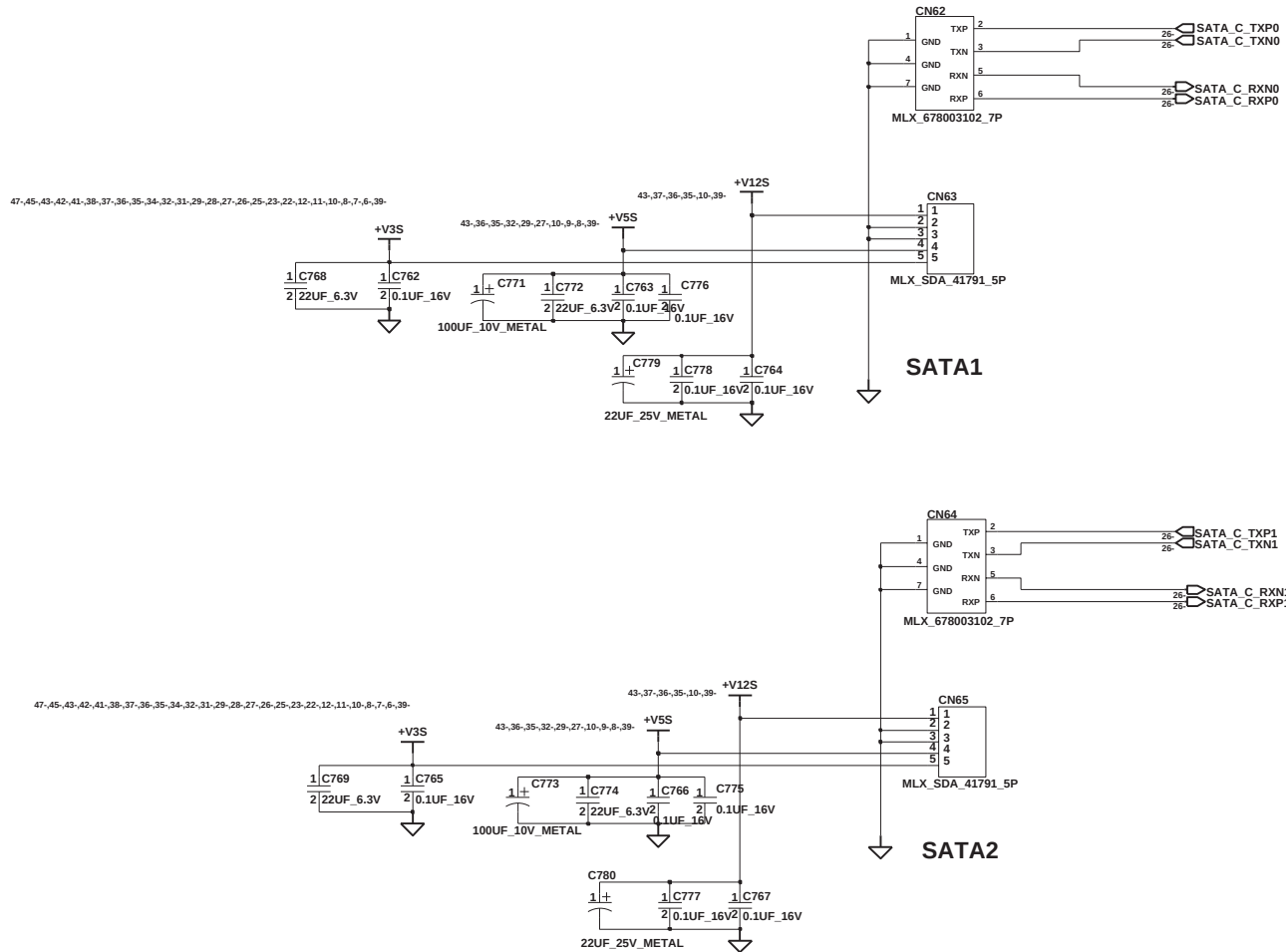
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IDE

INVENTEC			
TITLE IslandPark PATA HDD CONN			
SIZE A3	CODE CS	DOC. NUMBER Po90	REV AXI
CHANGE by CHEN TE-YU		30-Sep-2004	
SHEET		38	OF 47

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INVENTEC

TITLE
IslandPark
Serial-ATA Con

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Po90	AXI

CHANGE by **CHEN TE-YU** 30-Sep-2004

SHEET 39 OF 47

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The diagram illustrates the internal wiring of a USB connector, showing two versions: USB L_P1- and USB L_P0-. The circuit includes various components such as capacitors (C458, C459, C460, C620, C621, C622, C626, C627, C629), inductors (L43, L42, L32), and integrated circuits (U38, U58, WCM_2012_900T, CN49, CN69, AMP_787617_1_8P, TYCO_C_1470972_4P, R851, R852, R864, R865). The diagram also shows power supply connections for +V5, +V5_USB0, and +V5_USB1.

USB L_P1- Version:

- U38: MIC_MIC2026_1BM_SOP_8P. Pins: 1 (ENA OUTA), 2 (FLGA IN), 3 (FLGB GND), 4 (ENB OUTB), 5 (GND), 6 (GND), 7 (GND), 8 (GND).
- U58: MIC_MIC2026_1BM_SOP_8P. Pins: 1 (ENA OUTA), 2 (FLGA IN), 3 (FLGB GND), 4 (ENB OUTB), 5 (GND), 6 (GND), 7 (GND), 8 (GND).
- WCM_2012_900T: USB L_P1- and USB L_P1+.
- C458: 150UF_6.3V_S18_METAL.
- C459: 0.1UF_16V.
- C460: 1UF_10V.
- CN49: AMP_787617_1_8P.

USB L_P0- Version:

- U58: MIC_MIC2026_1BM_SOP_8P. Pins: 1 (ENA OUTA), 2 (FLGA IN), 3 (FLGB GND), 4 (ENB OUTB), 5 (GND), 6 (GND), 7 (GND), 8 (GND).
- WCM_2012_900T: USB L_P0- and USB L_P0+.
- C620: 0.1UF_16V.
- C621: 150UF_6.3V_S18_METAL.
- C622: 1UF_10V.
- CN69: TYCO_C_1470972_4P.
- R851: R852.
- R864: R865.

Legend:

- USB L_P1-: USB L_P1- (Pin 1)
- USB L_P1+: USB L_P1+ (Pin 2)
- USB L_P0-: USB L_P0- (Pin 1)
- USB L_P0+: USB L_P0+ (Pin 2)
- USB L_P4-: USB L_P4- (Pin 1)
- USB L_P4+: USB L_P4+ (Pin 2)

Legend:

- USB L_P1-: USB L_P1- (Pin 1)
- USB L_P1+: USB L_P1+ (Pin 2)
- USB L_P0-: USB L_P0- (Pin 1)
- USB L_P0+: USB L_P0+ (Pin 2)
- USB L_P4-: USB L_P4- (Pin 1)
- USB L_P4+: USB L_P4+ (Pin 2)

Legend:

- USB L_P1-: USB L_P1- (Pin 1)
- USB L_P1+: USB L_P1+ (Pin 2)
- USB L_P0-: USB L_P0- (Pin 1)
- USB L_P0+: USB L_P0+ (Pin 2)
- USB L_P4-: USB L_P4- (Pin 1)
- USB L_P4+: USB L_P4+ (Pin 2)

Legend:

- USB L_P1-: USB L_P1- (Pin 1)
- USB L_P1+: USB L_P1+ (Pin 2)
- USB L_P0-: USB L_P0- (Pin 1)
- USB L_P0+: USB L_P0+ (Pin 2)
- USB L_P4-: USB L_P4- (Pin 1)
- USB L_P4+: USB L_P4+ (Pin 2)

Legend:

- USB L_P1-: USB L_P1- (Pin 1)
- USB L_P1+: USB L_P1+ (Pin 2)
- USB L_P0-: USB L_P0- (Pin 1)
- USB L_P0+: USB L_P0+ (Pin 2)
- USB L_P4-: USB L_P4- (Pin 1)
- USB L_P4+: USB L_P4+ (Pin 2)

Legend:

- USB L_P1-: USB L_P1- (Pin 1)
- USB L_P1+: USB L_P1+ (Pin 2)
- USB L_P0-: USB L_P0- (Pin 1)
- USB L_P0+: USB L_P0+ (Pin 2)
- USB L_P4-: USB L_P4- (Pin 1)
- USB L_P4+: USB L_P4+ (Pin 2)

Legend:

- USB L_P1-: USB L_P1- (Pin 1)
- USB L_P1+: USB L_P1+ (Pin 2)
- USB L_P0-: USB L_P0- (Pin 1)
- USB L_P0+: USB L_P0+ (Pin 2)
- USB L_P4-: USB L_P4- (Pin 1)
- USB L_P4+: USB L_P4+ (Pin 2)

Legend:

- USB L_P1-: USB L_P1- (Pin 1)
- USB L_P1+: USB L_P1+ (Pin 2)
- USB L_P0-: USB L_P0- (Pin 1)
- USB L_P0+: USB L_P0+ (Pin 2)
- USB L_P4-: USB L_P4- (Pin 1)
- USB L_P4+: USB L_P4+ (Pin 2)

Legend:

- USB L_P1-: USB L_P1- (Pin 1)
- USB L_P1+: USB L_P1+ (Pin 2)
- USB L_P0-: USB L_P0- (Pin 1)
- USB L_P0+: USB L_P0+ (Pin 2)
- USB L_P4-: USB L_P4- (Pin 1)
- USB L_P4+: USB L_P4+ (Pin 2)

Legend:

- USB L_P1-: USB L_P1- (Pin 1)
- USB L_P1+: USB L_P1+ (Pin 2)
- USB L_P0-: USB L_P0- (Pin 1)
- USB L_P0+: USB L_P0+ (Pin 2)
- USB L_P4-: USB L_P4- (Pin 1)
- USB L_P4+: USB L_P4+ (Pin 2)

Legend:

- USB L_P1-: USB L_P1- (Pin 1)
- USB L_P1+: USB L_P1+ (Pin 2)
- USB L_P0-: USB L_P0- (Pin 1)
- USB L_P0+: USB L_P0+ (Pin 2)
- USB L_P4-: USB L_P4- (Pin 1)
- USB L_P4+: USB L_P4+ (Pin 2)

Legend:

- USB L_P1-: USB L_P1- (Pin 1)
- USB L_P1+: USB L_P1+ (Pin 2)
- USB L_P0-: USB L_P0- (Pin 1)
- USB L_P0+: USB L_P0+ (Pin 2)
- USB L_P4-: USB L_P4- (Pin 1)
- USB L_P4+: USB L_P4+ (Pin 2)

Legend:

- USB L_P1-: USB L_P1- (Pin 1)
- USB L_P1+: USB L_P1+ (Pin 2)
- USB L_P0-: USB L_P0- (Pin 1)
- USB L_P0+: USB L_P0+ (Pin 2)
- USB L_P4-: USB L_P4- (Pin 1)
- USB L_P4+: USB L_P4+ (Pin 2)

Legend:

- USB L_P1-: USB L_P1- (Pin 1)
- USB L_P1+: USB L_P1+ (Pin 2)
- USB L_P0-: USB L_P0- (Pin 1)
- USB L_P0+: USB L_P0+ (Pin 2)
- USB L_P4-: USB L_P4- (Pin 1)
- USB L_P4+: USB L_P4+ (Pin 2)

Legend:

- USB L_P1-: USB L_P1- (Pin 1)
- USB L_P1+: USB L_P1+ (Pin 2)
- USB L_P0-: USB L_P0- (Pin 1)
- USB L_P0+: USB L_P0+ (Pin 2)
- USB L_P4-: USB L_P4- (Pin 1)
- USB L_P4+: USB L_P4+ (Pin 2)

Legend:

- USB L_P1-: USB L_P1- (Pin 1)
- USB L_P1+: USB L_P1+ (Pin 2)
- USB L_P0-: USB L_P0- (Pin 1)
- USB L_P0+: USB L_P0+ (Pin 2)
- USB L_P4-: USB L_P4- (Pin 1)
- USB L_P4+: USB L_P4+ (Pin 2)

Legend:

- USB L_P1-: USB L_P1- (Pin 1)
- USB L_P1+: USB L_P1+ (Pin 2)
- USB L_P0-: USB L_P0- (Pin 1)
- USB L_P0+: USB L_P0+ (Pin 2)
- USB L_P4-: USB L_P4- (Pin 1)
- USB L_P4+: USB L_P4+ (Pin 2)

Legend:

- USB L_P1-: USB L_P1- (Pin 1)
- USB L_P1+: USB L_P1+ (Pin 2)
- USB L_P0-: USB L_P0- (Pin 1)
- USB L_P0+: USB L_P0+ (Pin 2)
- USB L_P4-: USB L_P4- (Pin 1)
- USB L_P4+: USB L_P4+ (Pin 2)

Legend:

- USB L_P1-: USB L_P1- (Pin 1)
- USB L_P1+: USB L_P1+ (Pin 2)
- USB L_P0-: USB L_P0- (Pin 1)
- USB L_P0+: USB L_P0+ (Pin 2)
- USB L_P4-: USB L_P4- (Pin 1)
- USB L_P4+: USB L_P4+ (Pin 2)

Legend:

- USB L_P1-: USB L_P1- (Pin 1)
- USB L_P1+: USB L_P1+ (Pin 2)
- USB L_P0-: USB L_P0- (Pin 1)
- USB L_P0+: USB L_P0+ (Pin 2)
- USB L_P4-: USB L_P4- (Pin 1)
- USB L_P4+: USB L_P4+ (Pin 2)

Legend:

- USB L_P1-: USB L_P1- (Pin 1)
- USB L_P1+: USB L_P1+ (Pin 2)
- USB L_P0-: USB L_P0- (Pin 1)
- USB L_P0+: USB L_P0+ (Pin 2)
- USB L_P4-: USB L_P4- (Pin 1)
- USB L_P4+: USB L_P4+ (Pin 2)

Legend:

- USB L_P1-: USB L_P1- (Pin 1)
- USB L_P1+: USB L_P1+ (Pin 2)
- USB L_P0-: USB L_P0- (Pin 1)
- USB L_P0+: USB L_P0+ (Pin 2)
- USB L_P4-: USB L_P4- (Pin 1)
- USB L_P4+: USB L_P4+ (Pin 2)</

TITLE			
IslandPark			
USB CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Po90	AX1
SHEET		40	OF 47
8			

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FAN1

FAN2

FAN3

FAN4

FAN5

INVENTEC

TITLE: **IslandPark**
Fan CONN

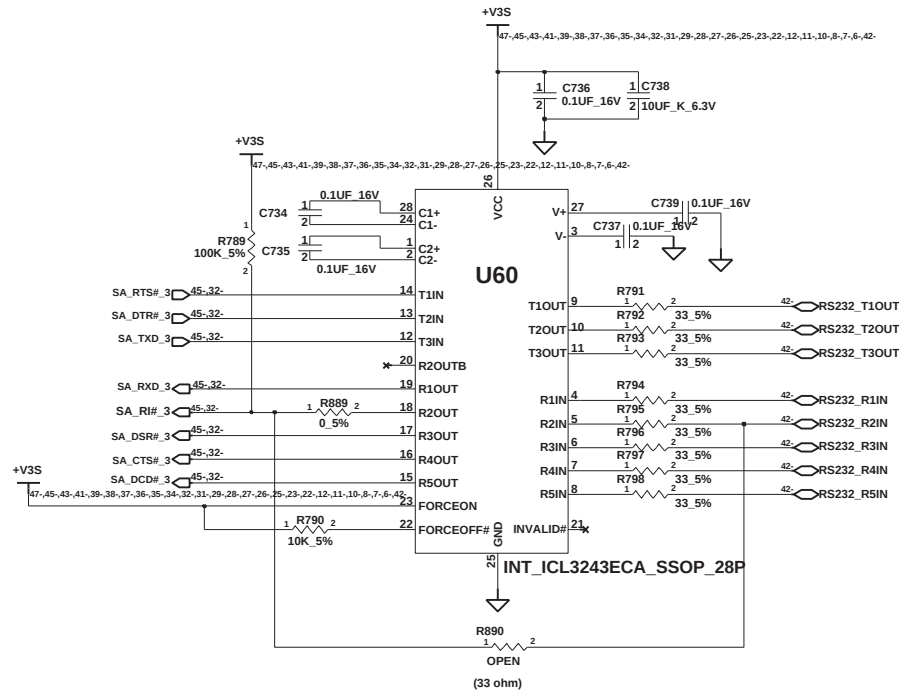
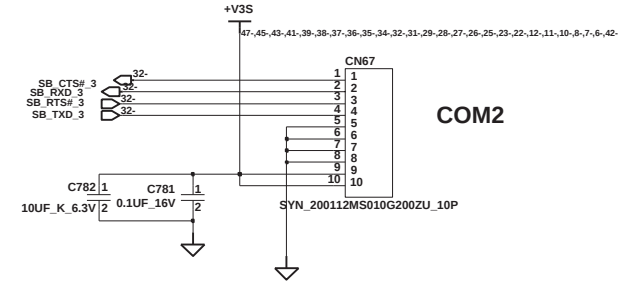
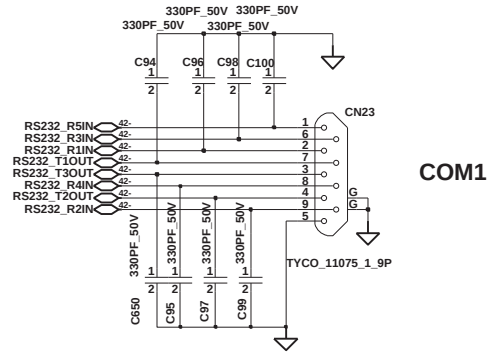
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Po90	AX1

CHANGE by: CHEN TE-YU 30-Sep-2004

SHEET 41 OF 47

TITLE			
IslandPark Fan CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Po90	AX1
SHEET		41	OF 47
8			

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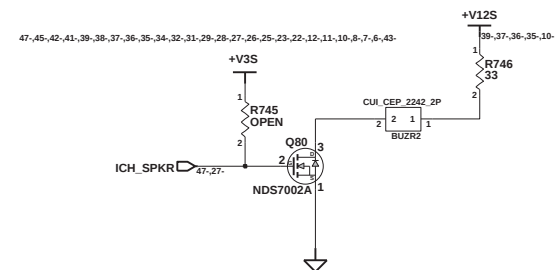
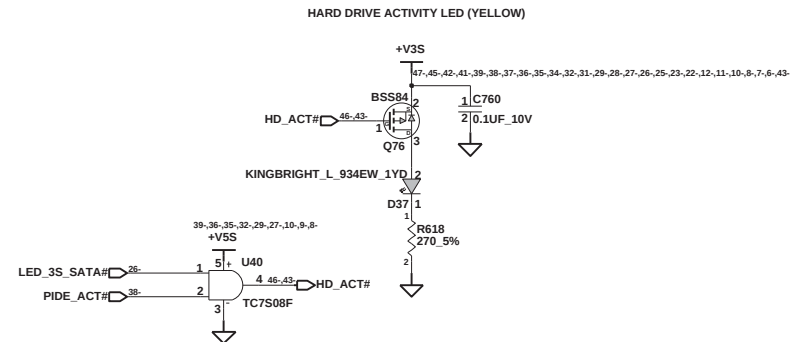
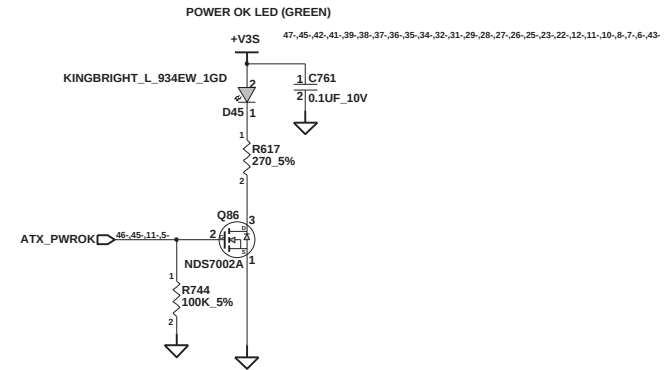
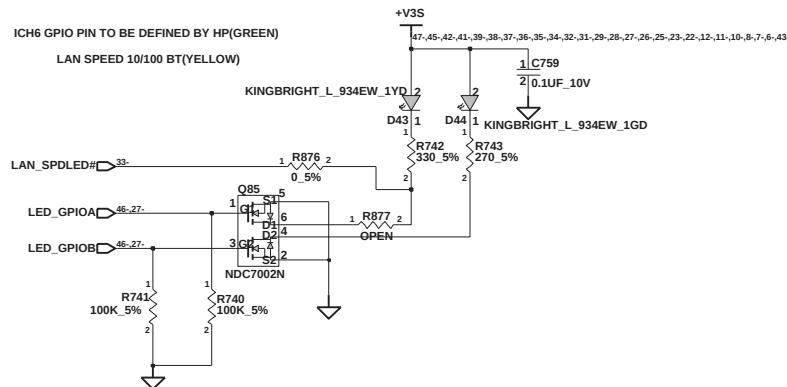
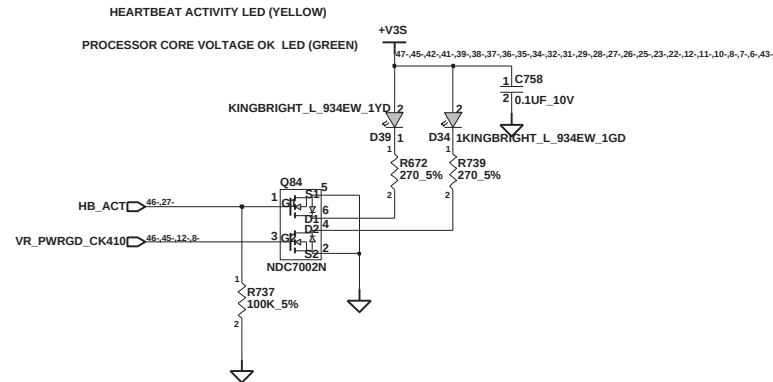


INVENTEC

TITLE			
IslandPark SERIAL PORT			
SIZE A3	CODE CS	DOC. NUMBER Po90	REV AXI
SHEET		42 OF	47

CHANGE by CHEN TE-YU 30-Sep-2004

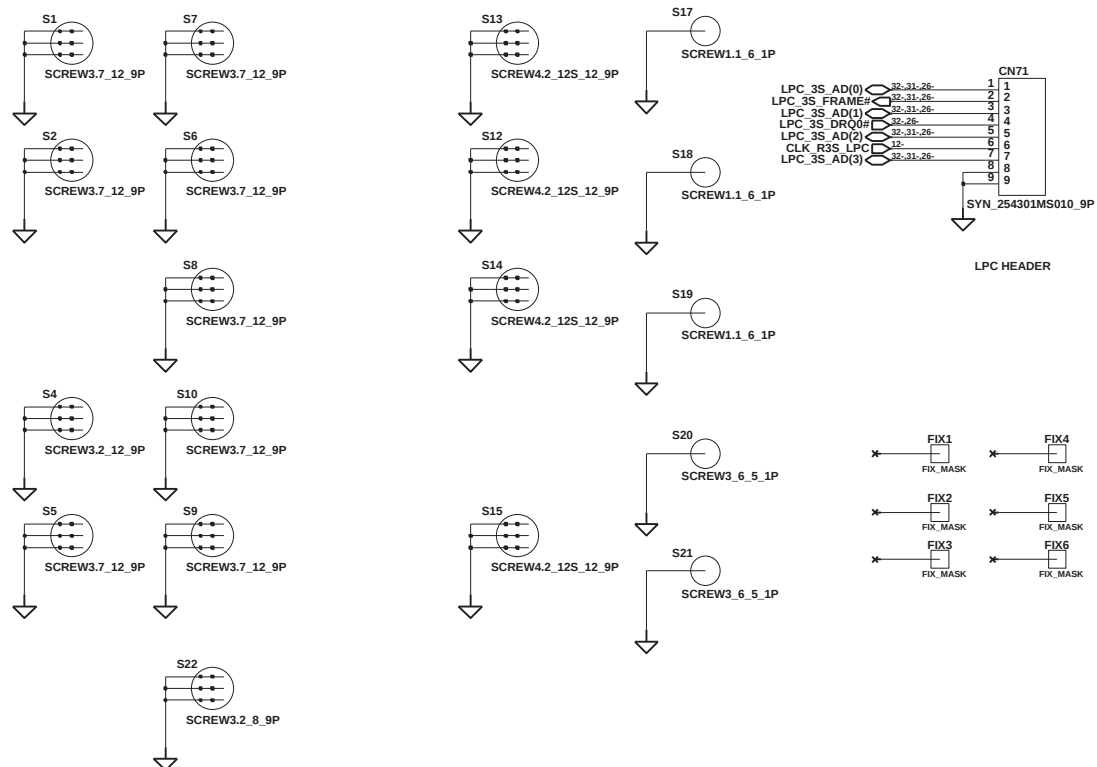
<http://hobi-elektronika.net>



INVENTEC

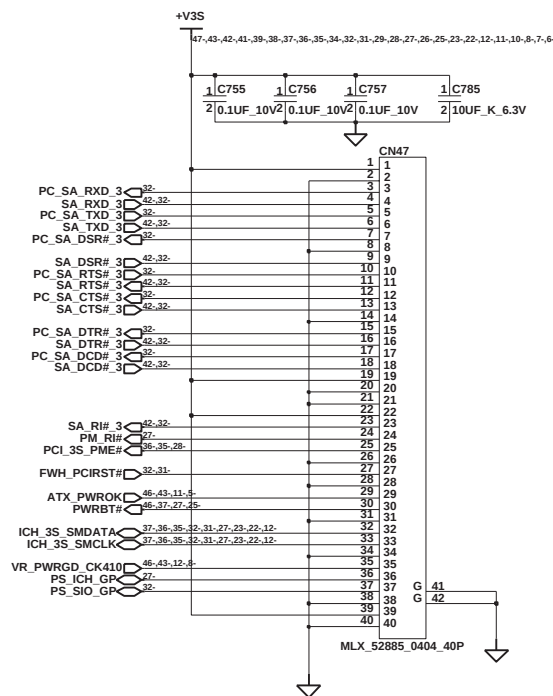
TITLE			
IslandPark LEDS&BUZZER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Po90	AXI
CHANGE by		30-Sep-2004	
SHEET		43	OF 47

<http://hobi-elektronika.net>



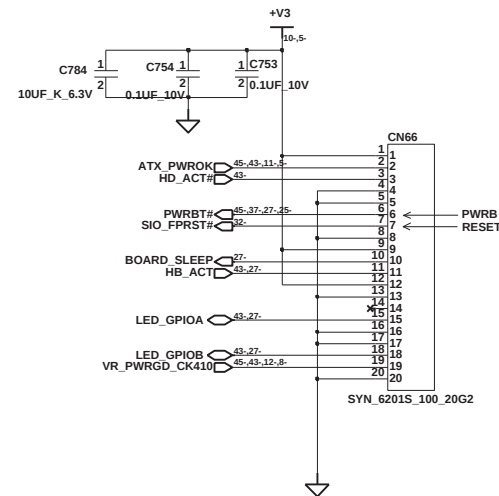
INVENTEC			
TITLE			
IslandPark			
LPC HEADER & SCREW			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Po90	AXI
CHANGE by		30-Sep-2004	
SHEET		44	OF 47
		8	

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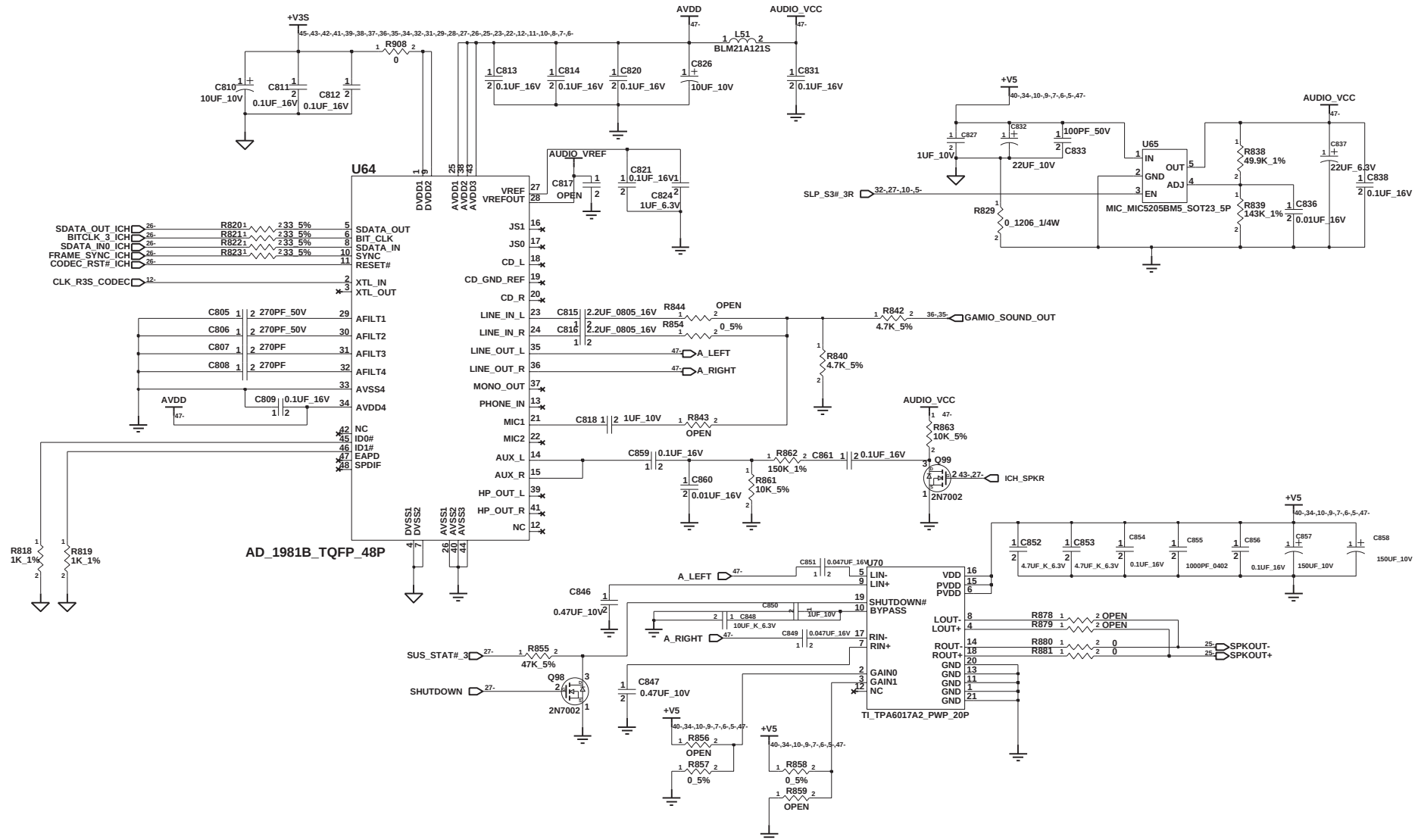
INVENTEC			
TITLE IslandPark POWER CONTROLLER			
SIZE A3	CODE CS	DOC. NUMBER Po90	REV AXI
CHANGE by CHEN TE-YU		30-Sep-2004	
SHEET 45		OF 47	

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INVENTEC			
TITLE			
IslandPark			
Front Panel Header			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Po90	AXI
CHANGE by		30-Sep-2004	
CHEN TE-YU			
SHEET		46	OF 47
		8	

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INVENTEC

TITLE
IslandPark
AC97 CODEC & Amplifier

SIZE A3	CODE CS	DOC. NUMBER Po90	REV AX1
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CHANGE by **CHEN TE-YU** 30-Sep-2004

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