Normal / Mirror Setting Table		
	Normal	Mirror
YDIOU	O	X
YDIOD	X	O
U_DF	H	L
U_DB	L	H

X-BACK/Right

X-FRONT/Left

Close to J4

Close to J3

Close to J3,J4

Close to U300

Close to U401

Close to J1

U300

U401

High Aging

high Aging

Path balance between U300 &U401

Path balance between U300 &U401

Td(sec) = R(Ω) * C(F) * 0.79
=0.022u * 5.62M * 0.79 = 97mS

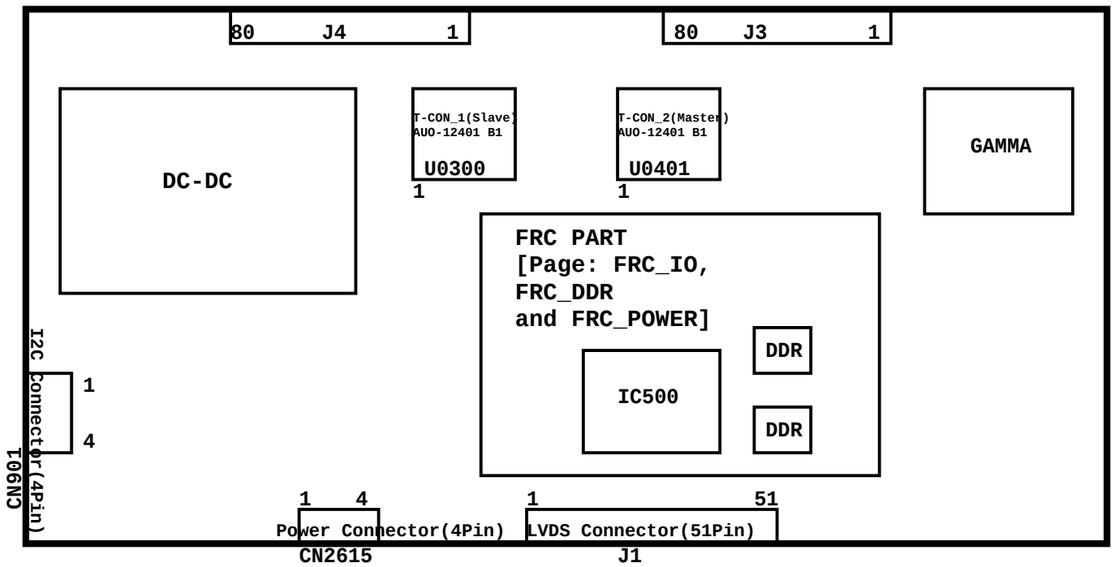
12Vin

FRCBlock

Model Name	T315HW02 V3 Tcom MEMC Board
Top View	
Size	Custom
Document Number	T315HW02 V3 Tcom/MEMC Board
Rev	EC02
Date	Wednesday, October 01, 2008
Sheet	1 of 10

友達光電電視顯示器產品研發處

AUO Confidential



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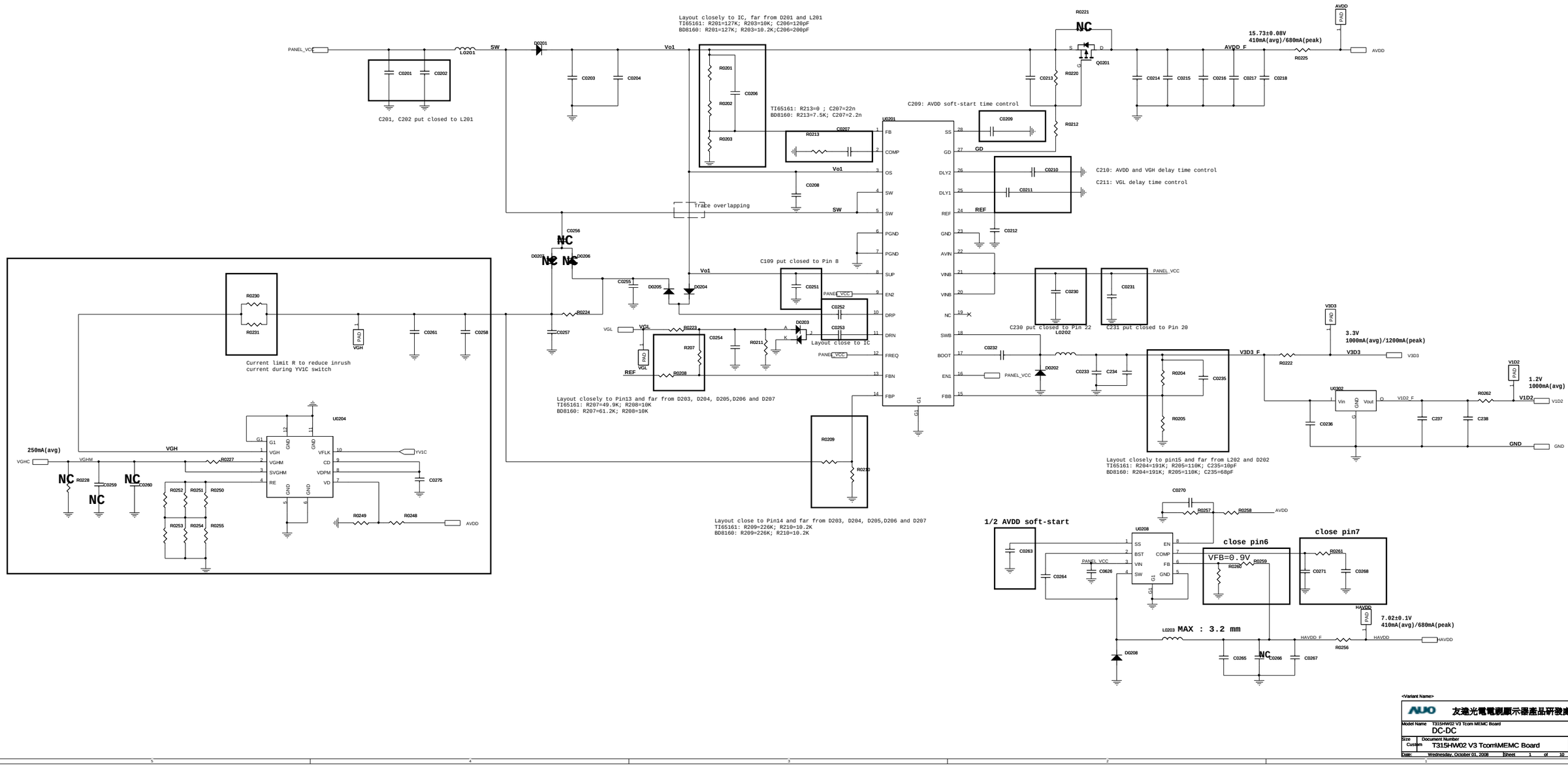
友達光電電視顯示器產品研發處

Model Name	T315HW02 V3 Tcom MEMC Board	
	Placement	
Size C	Document Number T315HW02 V3 Tcom\MEMC Board	Rev EC02
Date: Wednesday, October 01, 2008	Sheet 1 of 10	



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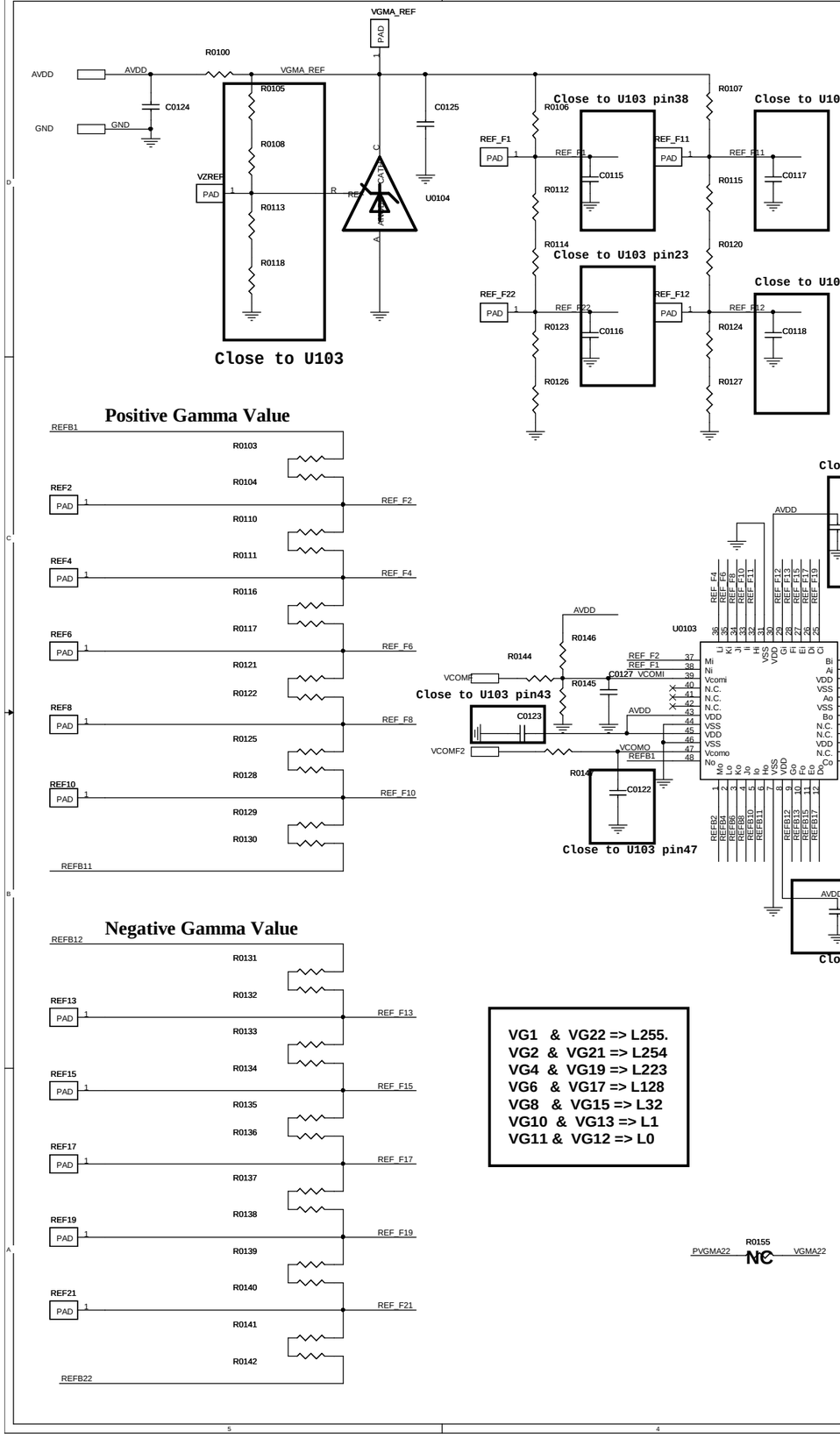
友達光電電視顯示器產品研發處		
Model Name: T315HW02 V3 Tcom MEMC Board		
DC-DC		
Size: Custom	Document Number: T315HW02 V3 Tcom\MEMC Board	Rev: EC02
Date: Wednesday, October 01, 2008	Sheet 1 of 10	


VGMA_REF
R0100
AVDD
C0124
GND
R0105
R0108
R0113
R0118
VZREF
U0104
C0125
Close to U103 pin38
Close to U103 pin32
Close to U103 pin23
Close to U103 pin29
Close to U103
Positive Gamma Value
REFB1
REF2
REF4
REF6
REF8
REF10
REFB11
R0103
R0104
R0110
R0111
R0116
R0117
R0121
R0122
R0125
R0128
R0129
R0130
REF_F2
REF_F4
REF_F6
REF_F8
REF_F10
Close to U103 pin30
Close to U103 pin22
Close to U103 pin43
Close to U103 pin47
Close to U103 pin15
Close to U103 pin8
U0103
C0119
C0123
C0122
C0126
C0120
C0121
R0144
R0145
R0146
VCOMF
VCOMF2
REFB1
Negative Gamma Value
REFB12
REF13
REF15
REF17
REF19
REF21
REFB22
R0131
R0132
R0133
R0134
R0135
R0136
R0137
R0138
R0139
R0140
R0141
R0142
REF_F13
REF_F15
REF_F17
REF_F19
REF_F21
VG1 & VG22 => L255.
VG2 & VG21 => L254
VG4 & VG19 => L223
VG6 & VG17 => L128
VG8 & VG15 => L32
VG10 & VG13 => L1
VG11 & VG12 => L0
R0101
RN104
RN105
RN106
VGMA[1..22]
C0101
C0102
C0103
C0104
C0105
C0106
C0107
C0108
C0109
C0110
C0111
C0112
C0113
C0114
VG1
VG2
VG4
VG6
VG8
VG10
VG11
VG12
VG13
VG15
VG17
VG19
VG21
VG22
R0143
AVDD
R0171
NC
AVDD_MGA
C0170
C0171
R0156
MPVGMA1
VGMA1
RN108
RN107
RN109
R0157
MPVGMA22
VGMA22
U0105
R0172
R0173
VCOMF2
R0174
V3D3
R0175
C0174
C0173
R0176
V3D3_MGA
R0180
R0181
R0177
R0178
SCL_GA
SDA_GA
Max9669 Programmable Gamma Buffer
U108A
U108B
U108C
U108D
R0169
R0179
C0163
R0170
R0148
R0160
AVDD_GA
R0161
C0164
R0162
C0165
R0159
R0158
C0160
R0165
R0167
BANK_SEL
R0168
R0166
R0163
R0164
C0156
U101
R0155
R0154
RN102
RN101
RN103
V3D3
U0102
C0158
R0182
R0183
PA5_A
PA4_A
PA3_A
PA2_A
ISL24813 Programmable Gamma Buffer
<Variant Name>
友達光電電視顯示器產品研發處
Model Name T315HW02 V3 Tcom MEMC Board
Gamma
Size Custom
Document Number T315HW02 V3 Tcom\MEMC Board
Rev EC02
Date: Wednesday, October 01, 2008
Sheet 1 of 10

Data Mapping Setting Table	
PIX_SFT_EN	0
MODE41	1
FRVS1	0
FRVS2	0
BRVS	0
CHPXF	0
CHPXB	0
CHFB	0
CHML	0
CHRB	1
CHPN	1

120HZ

Close to U401

Close to U401

Closed to pin65 of U401

Closed to pin56 of U401

For KME use

When ODEN is low or OPEN,
OD_EN(Internal Register)
0 : OD disable
1 : OD enable

When ODEN is high,
OD_EN(Internal Register)
0 : OD enable
1 : OD disable

AUO12401 K1

T2

On Bottom Layer

Closed to pin117 of U401

Closed to pin127 of U401

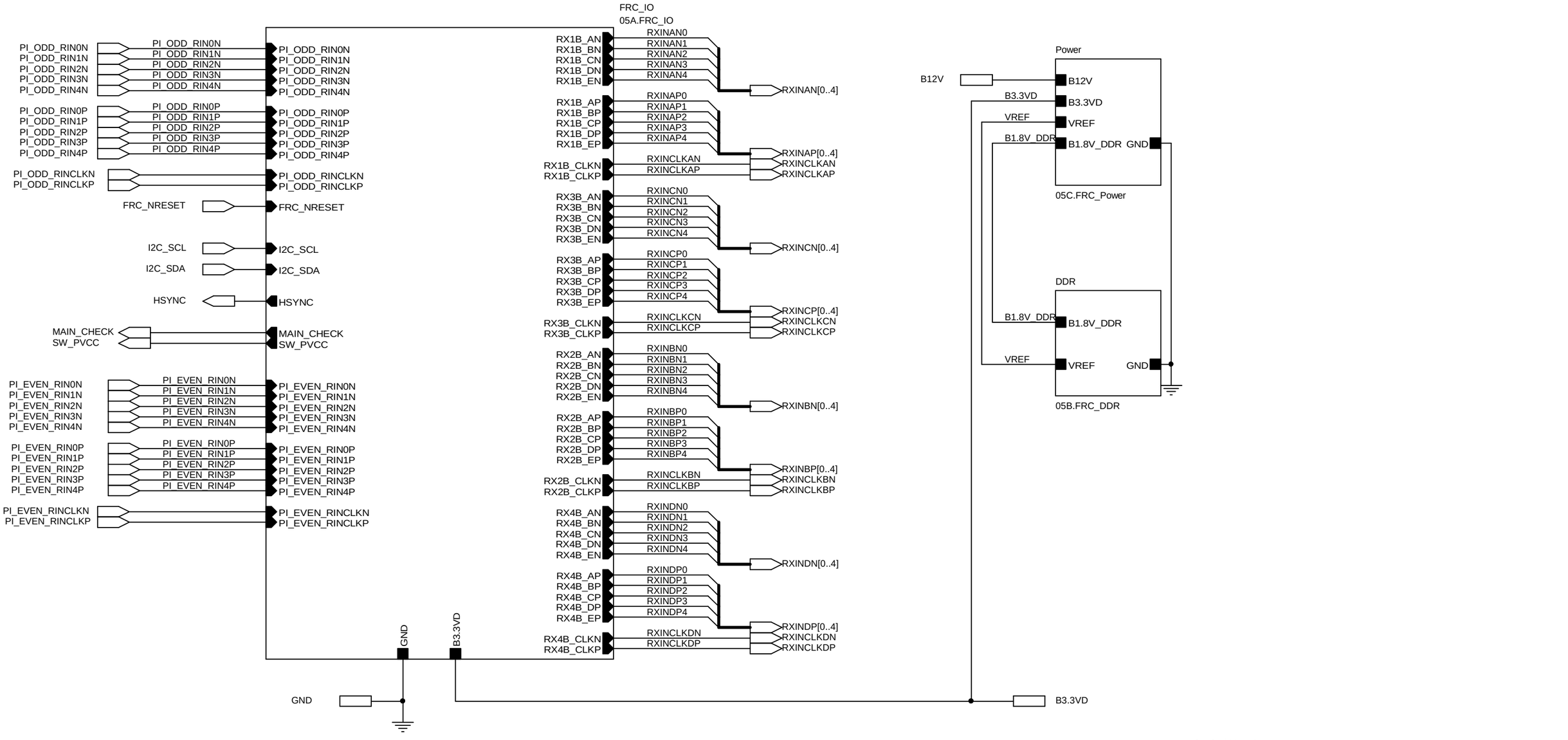
Closed to pin33 of U401

Closed to pin8 of U402

<Variant Name>

友達光電電視顯示器產品研發處

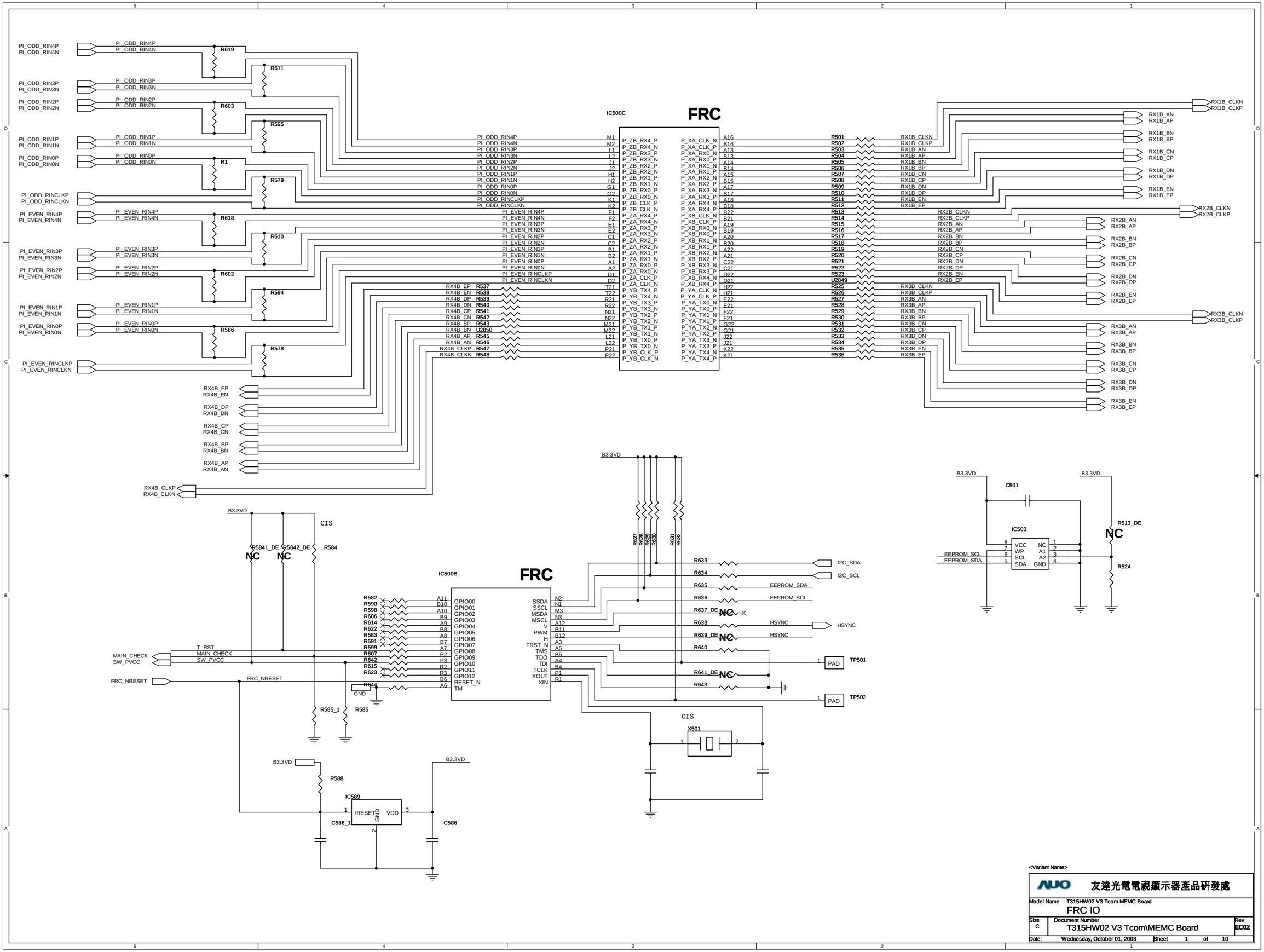
Model Name	T315HW02 V3 Tcom MEMC Board		
	Tcom(Master)		
Size	Document Number		Rev
Custom	T315HW02 V3 Tcom\MEMC Board		EC02
Date:	Wednesday, October 01, 2008	Sheet 1 of 10	



<Variant Name>

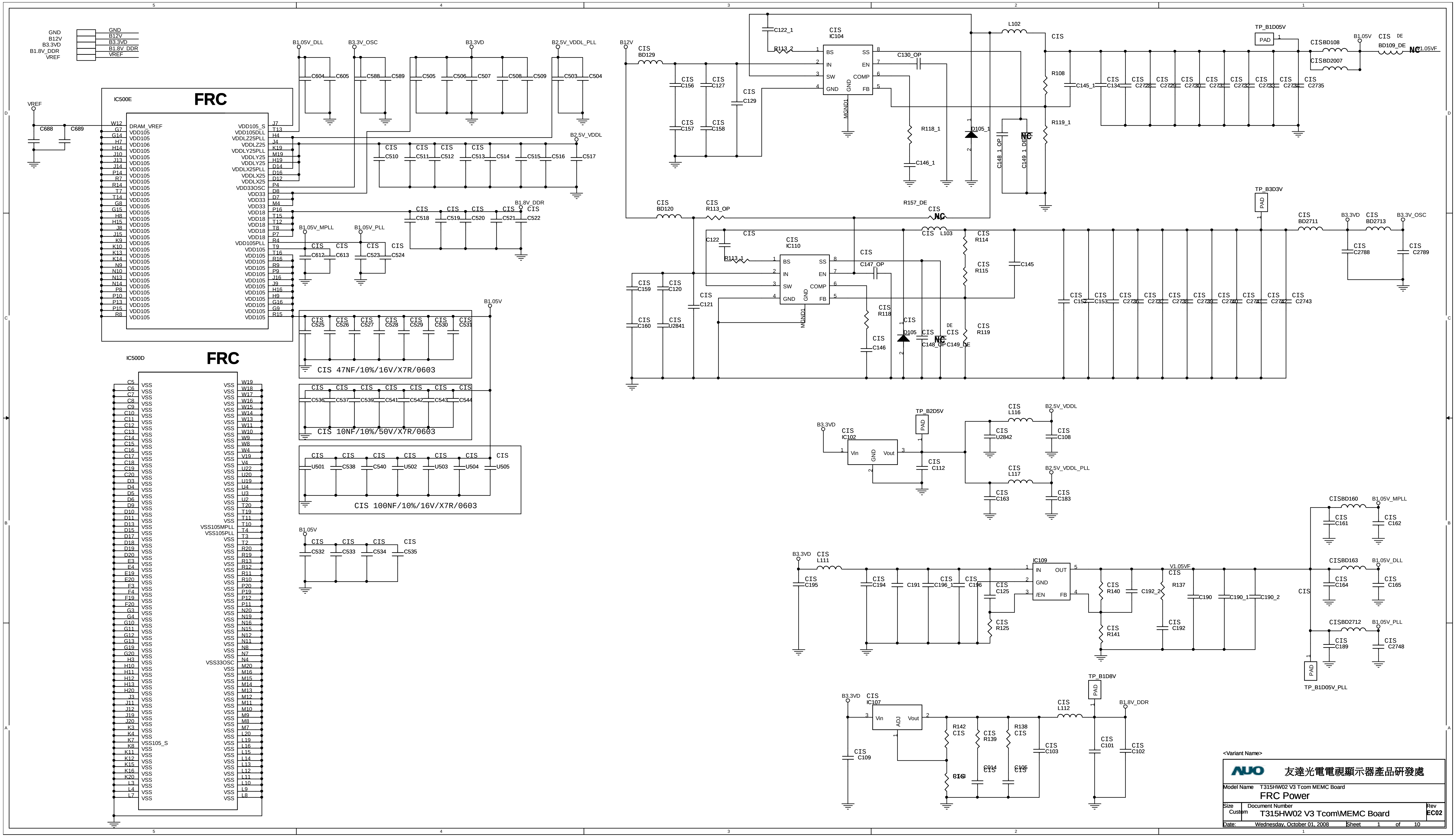
友達光電電視顯示器產品研發處

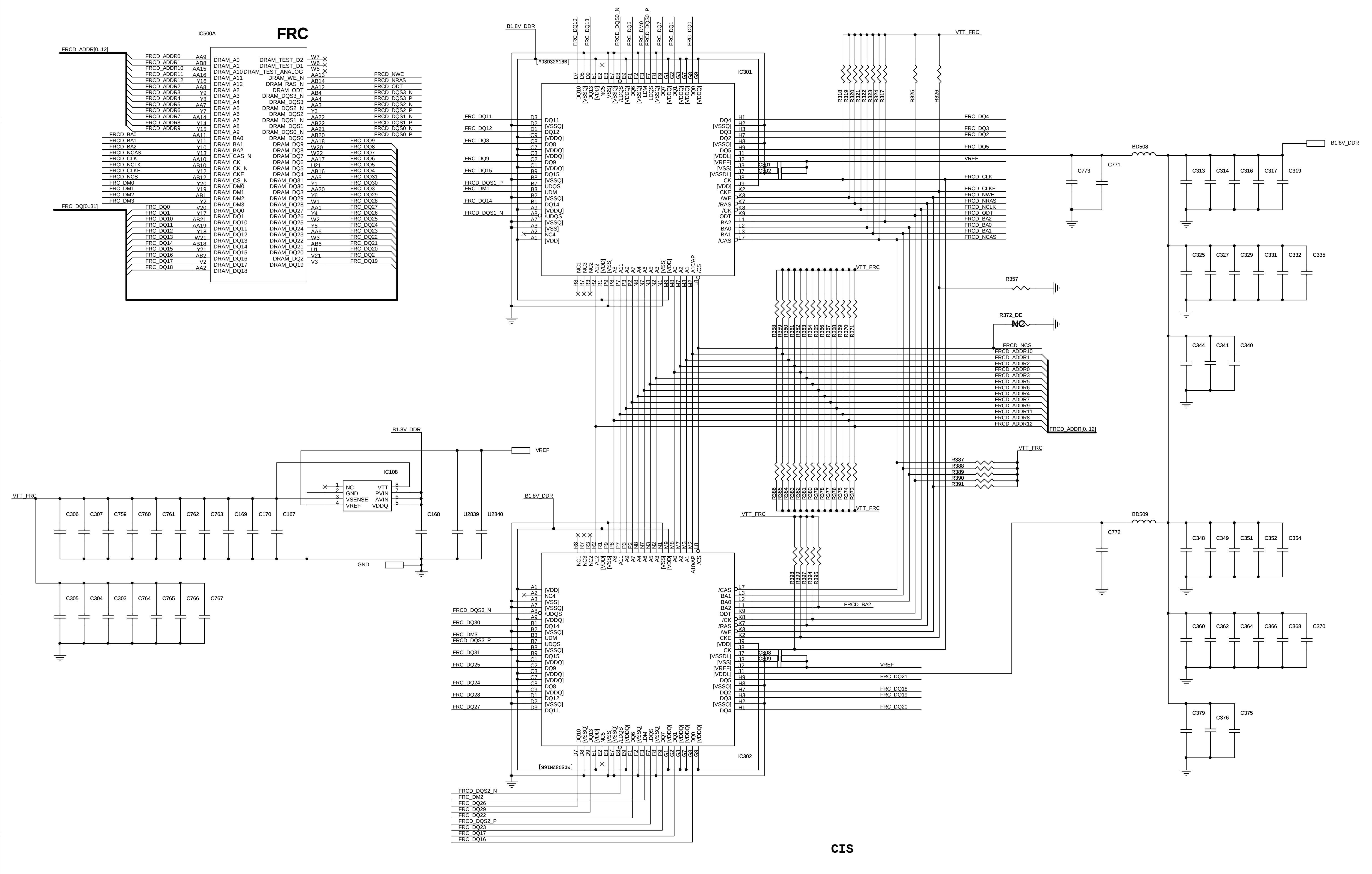
Model Name	T315HW02 V3 Tcom MEMC Board	
	FRC Top	
Size B	Document Number T315HW02 V3 Tcom\MEMC Board	Rev EC02
Date: Wednesday, October 01, 2008	Sheet 1 of 10	



<Variant Name>

AUO	友達光電電視顯示器產品研發處
Model Name	T315HW02 V3 Tcom MEMC Board
	FRC IO
Size: C	Document Number: T315HW02 V3 Tcom\MEMC Board
Rev: EC02	
Date: Wednesday, October 01, 2008	Sheet 1 of 10


FRC
IC500E
IC500D
CIS 47NF/10%/16V/X7R/0603
CIS 10NF/10%/50V/X7R/0603
CIS 100NF/10%/16V/X7R/0603
<Variant Name>
AUO 友達光電電視顯示器產品研發處
Model Name T315HW02 V3 Tcom MEMC Board
FRC Power
Size Custom
Document Number T315HW02 V3 Tcom\MEMC Board
Rev EC02
Date: Wednesday, October 01, 2008
Sheet 1 of 10



<Variant Name>

友達光電電視顯示器產品研發處

Model Name	T315HW02 V3 Tcom MEMC Board	
	FRC DDR	
Size: Custom	Document Number: T315HW02 V3 Tcom\MEMC Board	Rev: EC02
Date: Wednesday, October 01, 2008	Sheet 1 of 10	

Data Mapping Setting Table	
PIX_SFT_EN	0
MODE41	1
FRVS1	0
FRVS2	0
BRVS	0
CHPXF	0
CHPXB	0
CHFB	0
CHML	0
CHRB	1
CHPN	1

120HZ

Close to U300

Close to U300

Closed to pin65 of U300

For KME use

When ODEN is low or OPEN,
OD_EN(Internal Register)
0 : OD disable
1 : OD enable

When ODEN is high,
OD_EN(Internal Register)
0 : OD enable
1 : OD disable

Closed to pin56 of U300

U0300

AUO12401 K1

T1

Closed to pin117 of U300

Closed to pin127 of U300

Closed to pin33 of U300

On Bottom Layer

Closed to pin8 of U301

<Variant Name>

友達光電電視顯示器產品研發處

Model Name	T315HW02 V3 Tcom MEMC Board		
	Tcom(Slave)		
Size	Document Number		Rev
Custom	T315HW02 V3 Tcom\MEMC Board		EC02
Date:	Wednesday, October 01, 2008	Sheet 1 of 10	