King Kong Series
LCD Monitor System
Service manual

REV: A

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Chapter 4 The Features Of OSD

Chapter 1 Specifications

- **Product Specification**
- **Construction of input signal**
- **Support mode table**

Product spec.

1. Analog input signals

(1) Video signals	Input system:	RGB separate
	Signal level:	Analog GB:0.7Vp-p
	Polarity:	Positive
	Input impedance:	75Ω
(2) Synchronization signals	Input system:	Separate sync
	Signal level:	TTL
	Polarity:	Positive or Negative
(3) Audio signal	Signal level:	0.7Vrms (max)
	Output:	1W speaker x 2
(4) Compliant timing	See Support mode table.	
(5) Input connectors:	D-sub mini 15pin	
	Audio	

2. Video frequency bandwidth 130MHz dot clock

3. Resolution

Horizontal:	1280 dots (max)
Vertical:	1024 lines
non-interlaced (max)	

4. Synchronization frequency

Horizontal synchronization:	24.8-80.0kHz
Vertical synchronization:	56~85Hz

5. Power supply

Input voltage:	AC100-240V
Frequency:	50/60Hz
Power consumption:	48W (max)
Power management:	5W (max)

6. Back light Fluorescent light: Cold cathode tube × 4

7. Display colors Approx. 16.7 million

8. Power management VESA DPMS, ENERGY STAR® Compliance

Item	DPMS Mode	Display	Power LED	Power Consumption	Recovery Time	H-sync	Y-sync
1	On	Normal	Green	Normal	---	On	On
2	Stand By	No Display	Amber	≦ 5W	3 sec	< 10 Khz	On
3	Suspend	No Display	Amber	≦ 5W	3 sec	On	< 10 hz
4	Active-Off	No Display	Amber	≦ 5W	3 sec	< 10 Khz	< 10 hz

9. Plug & Play VESA DDC 1/2B Compliance

Display Quality

1. LCD spec

3.0 ELECTRICAL SPECIFICATIONS

3.1 Electrical Characteristics

< Table 3. Electrical specifications > (Ta = 25℃)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Remark
Power Input Voltage	V_{DD}	3.0	3.3	3.6	V	
	V_{AA}	11.5	12.0	12.5	V	
Power Input Current	I_{DD}	-	91	698	mA	Note 1
	I_{AA}	-	345	450	mA	
"H" level Differential input	V_{IL}	100			mV	Note 2
"L" level Differential input	V_{IH}			-100	mV	
Back-light lamp Voltage	V_{BL}		800		Vrms	
Back-light lamp Current	I_{BL}		6		mArms	Per CCFL
Back-light Lamp Operating Frequency	F_L		50		KHz	Note
Lamp Start Voltage	Vs		1200	1550 (0℃)	Vrms	Note 4
			900	1100 (25℃)	Vrms	
Lamp Life	Hr	-	30,000		Hours	
Power Consumption	P_{DD}	-	0.31	-	W	
	P_{AA}	-	4.14	-	W	
	P_{BL}	-	19.2	-	W	Note5
	P_{total}	-	23.65	-	W	

Notes :

1. Test Pattern of power supply current
   - Typ : Vertical color bar
   - Max : Vertical 2 line skip (I_{DD})
     L255 Gray Scale (I_{AA})
2. LVDS Receiver common mode voltage, V_{CM} = 1.2V
3. The lamp frequency should be selected as different as possible from the horizontal synchronous frequency and its harmonics to avoid interference which may cause line flow on the display.
4. The voltage shown above should be applied to the lamps for more than 1 second to startup. Otherwise the lamps may not to be turned on.

5. Calculated value for reference (V_{BL}× I_{BL}) × 4 excluding inverter loss.

4.0 OPTICAL SPECIFICATIONS

4.1 Overview

The test of Optical specifications shall be measured in a dark room (ambient luminance ≤ 1 lux and temperature = 25±2℃) with the equipment of Luminance meter system (Goniometer system and TOPCON BM-5) and test unit shall be located at an approximate distance 50cm from the LCD surface at a viewing angle of θ and Φ equal to 0°. We refer to $\theta_{Ø=0}$ (=θ_3) as the 3 o'clock direction (the "right"), $\theta_{Ø=90}$ (= θ_{12}) as the 12 o'clock direction ("upward"), $\theta_{Ø=180}$ (= θ_9) as the 9 o'clock direction ("left") and $\theta_{Ø=270}$(= θ_6) as the 6 o'clock direction ("bottom"). While scanning θ and/or Ø, the center of the measuring spot on the Display surface shall stay fixed. The measurement shall be executed 30 minutes after lighting at rating with the back-light CCFL being run at a 6 mArms current after 30 minutes warm-up period. Optimum viewing angle direction is 6 o'clock.

4.2 Optical Specifications

<Table 4. Optical Specifications>

Parameter		Symbol	Condition	Min.	Typ.	Max.	Unit	Remark
Viewing Angle range	Horizontal	Θ_3	CR > 10	80			Deg.	Note 1
		Θ_9		80			Deg.	
	Vertical	Θ_{12}		80			Deg.	
		Θ_6		80			Deg.	
Contrast ratio		CR	Θ = 0°	350	400			Note 2
Average Luminance of White		Y_w	Θ = 0°	190	200		cd/m^2	Note 3
White luminance uniformity		Δ Y	I_{BL} = 6.0mA			1.45		Note 4
Reproduction Of color	White	X_W	Θ = 0°	0.282	0.312	0.342		Note 5
		Y_W		0.296	0.326	0.356		
	Red	X_R		0.600	0.630	0.660		
		Y_R		0.305	0.335	0.366		
	Green	X_G		0.256	0.286	0.316		
		Y_G		0.577	0.607	0.637		
	Blue	X_B		0.111	0.141	0.171		
		Y_B		0.058	0.088	0.118		
Response Time	Rise	T_r	Ta= 25° C		25	30	ms	Note 6
	Decay	T_d	Θ = 0°		30	35	ms	
Cross Talk		CT	Θ = 0°			4.0	%	Note 7

3. Electrical Specifications

3-1. Electrical Characteristics

The LM181E1-J3MN requires two power inputs. One is employed to power the LCD electronics and to drive the TFT array and liquid crystal. The other input which powers the CCFL, is typically generated by an inverter. The inverter is an external unit to the LCD.

Table 2. ELECTRICAL CHARACTERISTICS

Parameter	Symbol	Values			Units	Notes
		Min.	Typ.	Max.		
MODULE:						
Power Supply Input Voltage	IV_{AA}	11.2	12.0	12.6	V(DC)	
Power Supply Input Current	I_{CC}	-	0.55	0.9	A	1
Power Consumption	P_C	-	6.6	10.8	Watts	1
LAMP						
Operating Voltage	V_{BL}	690(9mA)	705(8mA)	940(3mA)	V_{RMS}	2
Operating Current	I_{BL}	3.0	8.0	9.0	mA	
Established Starting Voltage at 25℃		-		1250	V_{RMS}	3
Established Starting Voltage at 0℃		-	-	1500	V_{RMS}	
Operating Frequency	F_{bl}	30	60	80	kHz	4
Discharge Stabilization Time	T_S	-	-	3	Minutes	6
Power Consumption(4CCFL's)	P_{BL}	-	22.56	-	Watts	5
Life Time		20,000	30,000	-	Hrs	7

Note)The design of the inverter must have specifications for the lamp in LCD Assembly.

The performance of the Lamp in LCM, for example life time or brightness, is extremely influenced by the characteristics of the DC-AC Inverter. So all the parameters of an inverter should be carefully designed so as not to produce too much leakage current from high-voltage output of the inverter.

When you design or order the inverter, please make sure unwanted lighting caused by the mismatch of the lamp and the inverter(no lighting, flicker, etc) never occurs. When you confirm it, the LCD Assembly should be operated in the same condition as installed in your instrument**.**

Notes:1. The current draw and power consumption specified is for 12.0 Vdc at 25℃and fv at 60Hz. (at 8-gray pattern displayed)

2. The variance of the voltage is ± 10%.
3. The output voltage at the transformer in the inverter must be high considering to the loss of the ballast capacitor in the inverter.
4. The output of the inverter must have symmetrical(negative and positive) voltage waveform and symmetrical current waveform.(Unsymmetrical ratio is less than 10%) Please do not use the inverter which has unsymmetrical voltage and unsymmetrical current and spike wave.
   Lamp frequency may produce interference with horizontal synchronous frequency and as a result this may cause beat on the display. Therefore lamp frequency shall be as away as possible from the horizontal synchronous frequency and from its harmonics in order to prevent interference.
5. The lamp power consumption shown above does not include loss of external inverter.
6. Let's define the brightness of the lamp after being lighted for 5 minutes as 100%.
   T_s is the time required for the brightness of the center of the lamp to be not less than 95%.
7. The life time is determined as the time at which brightness of lamp is 50% compare to that of initial value at the typical lamp current on condition of continuous operating at 25 ± 2℃.

4. Optical Specifications

Optical characteristics are determined after the unit has been 'ON' and stable for approximately 30 minutes in a dark environment at 25℃. The values specified are at an approximate distance 50cm from the LCD surface at a viewing angle of Φ and θ equal to 0°.
Appendix A -1 presents additional information concerning the measurement equipment and method..

Table 8. OPTICAL CHARACTERISTICS

Parameter	Symbol	Values			Units	Notes
		Min.	Typ.	Max.		
Contrast Ratio	CR	200	300	-		1
Surface Luminance, white	L_{WH}	170	200	-	cd/m^2	2
Luminance Variation	δ_{WHITE}	-	1.15	1.30		3
Response Time	Tr					4
Rise Time	Tr_R	-	20	50	msec	
Decay Time	Tr_D	-	30	50		
CIE Color Coordinates						
Red	x_R	0.581	0.611	0.641		
	y_R	0.299	0.329	0.359		
Green	x_G	0.282	0.312	0.342		
	y_G	0.529	0.559	0.589		
Blue	x_B	0.118	0.148	0.178		
	y_B	0.101	0.131	0.161		
White	x_W	0.290	0.320	0.350		
	y_W	0.306	0.336	0.366		
Viewing Angle						
x axis, right ($\Phi = 0^o$)	θ x	+60	+80	–	Degree	5
x axis, left ($\Phi = 180^o$)	θ x	−60	−80	–		
y axis, up ($\Phi = 90^o$)	θ y	+60	+80	–		
y axis, down ($\Phi = 270^o$)	θ y	−60	−80	–		
Cross Talk	–	–	–	4	%	6
Gamma Value(reference value)			2.7			7

Notes 1. Contrast Ratio (CR) is defined mathematically as :

$$\text{Contrast Ratio} = \frac{\text{Surface Luminance with all white pixels}}{\text{Surface Luminance with all black pixels}}$$

2. Surface luminance is the center point across the LCD surface 50cm from the surface with all pixels displaying white under the condition of I_{BL} = 8.0 mArms. For more information see Appendix A - 2.

2.Defect Modes

Black/Bright Spots:	points on the display which appear dark / bright and usually result from the contamination. These defects do not vary in size and intensity(contrast) when contrast is varied.
Dark/Bright Lines:	lines on the display which appear dark / bright and usually result from the contamination.
Polarizer Scratch:	Lines on display which are seen across a darker background and do not vary in size
Polarizer Dent :	White spots on display which appear against a darker background and not vary in size.
Bright dot defect:	Dots(sub-pixels) on display which appear bright in the display area at Black Pattern.
Dark Dot defects:	Dots(sub-pixels) on display which appear dark in the display area at R,G,B Color Pattern.
Line Defects :	All line defects on display which appear bright/ dark such as vertical, horizontal or cross lines.
Mura:	Mura on display which appears darker/brighter against background brightness on parts of display area.

3. Mechanical Inspection

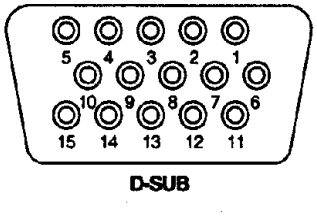
Chassis Gap	max. 0.7mm
Silicone Gasket	silicone material shall not be exposed beyond the material frame edge into the view area
Light Leakage	there shall be no visible light around the edges of the screen

4. Color Temperature : User define

Construction of input signal

Input signal Connectors

D-sub mini 15pin Connector (female)



Pin	Input signal	Pin	Input signal	Pin	Input signal
1	Red video	6	Red video ground	11	Ground
2	Green video	7	Green video ground	12	Data line (SDA)*
3	Blue video	8	Blue video ground	13	H-Sync
4		9		14	V-Sync
5		10	Ground	15	Clock line (SCL)*

*Compliant to VESA DDC.

Support mode table

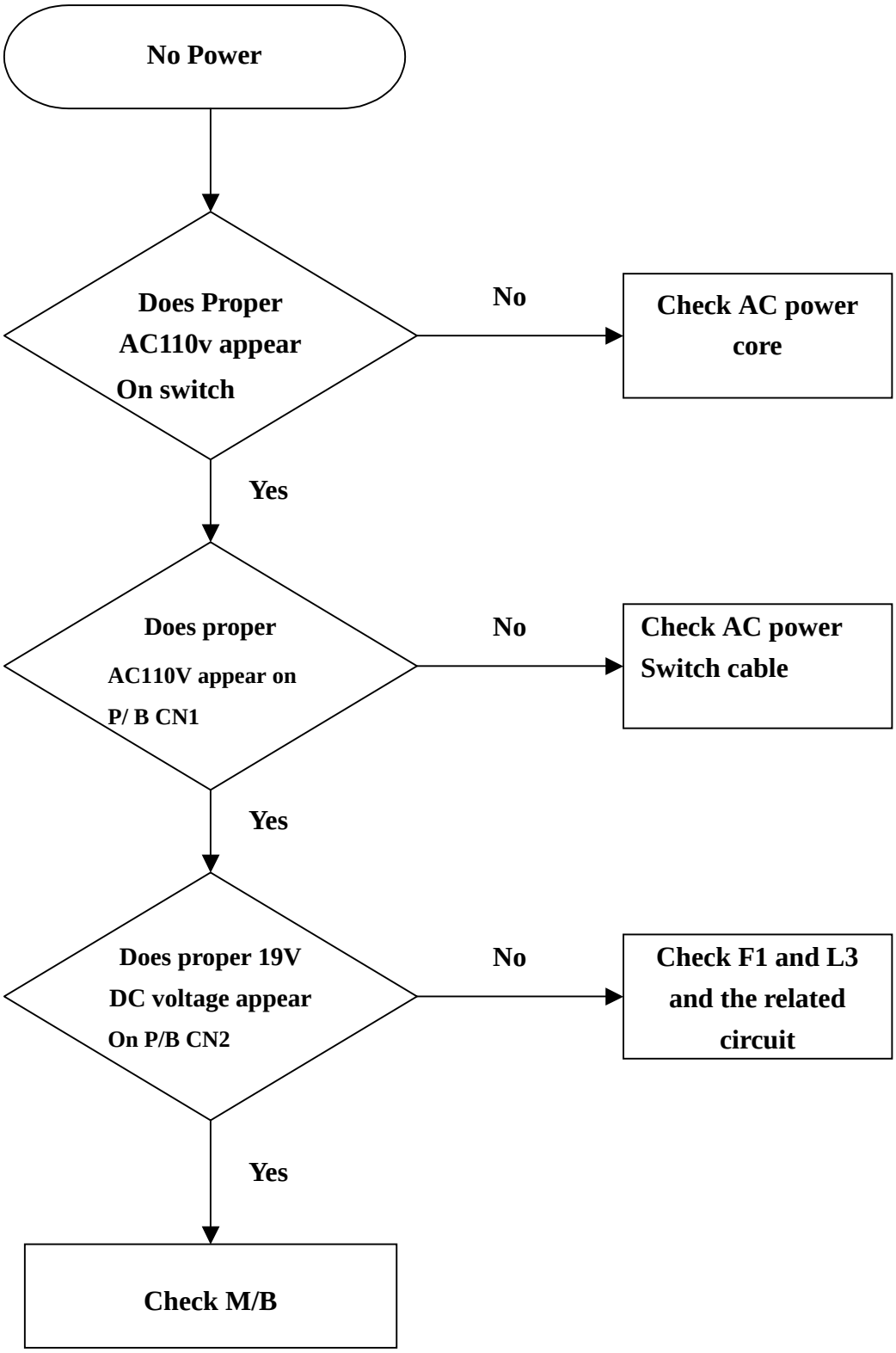
Display Mode			Analog		Digital
			Horizontal Frequency	Vertical Frequency	
VESA	VGA	640 x 480	31.5 Khz	60 Hz	60 Hz
			37.5 Khz	75 Hz	75 Hz
			37.9 Khz	72.8 Hz	72.8 Hz
			43.27 Khz	85 Hz	85Hz
		720 x 400	31.5 Khz	70.1 Hz	70.1 Hz
	SVGA	800 x 600	35.1 Khz	56.3 Hz	56.3 Hz
			37.9 Khz	60.3 Hz	60.3 Hz
			46.9 Khz	75.0 Hz	75.0 Hz
			48.1 Khz	72 Hz	72 Hz
			53.7 Khz	85 Hz	85 Hz
	XGA	1024 x 768	48.4 Khz	60.0 Hz	60.0 Hz
			56.5 Khz	70 Hz	70 Hz
			58.1 Khz	72 Hz	72 Hz
			60.0 Khz	75.0 Hz	75.0 Hz
			68.67 Khz	85.0 Hz	85.0 Hz
	SXGA	1280 x 1024	63.98 Khz	60.02 Hz	60.0 Hz
			79.97 Khz	75.02 Hz	
Macintosh	VGA	640 x 480	35.0 Khz	66.7 Hz	
		832 x 624	49.7 Khz	74.6 Hz	
MS-DOS		640 x 350	31.5 Khz	70.1 Hz	70.1 Hz
PC-9801		640 x 400	24.8 Khz	56.4 Hz	
			31.5 Khz	70.1 Hz	

Chapter 2 Troubleshooting

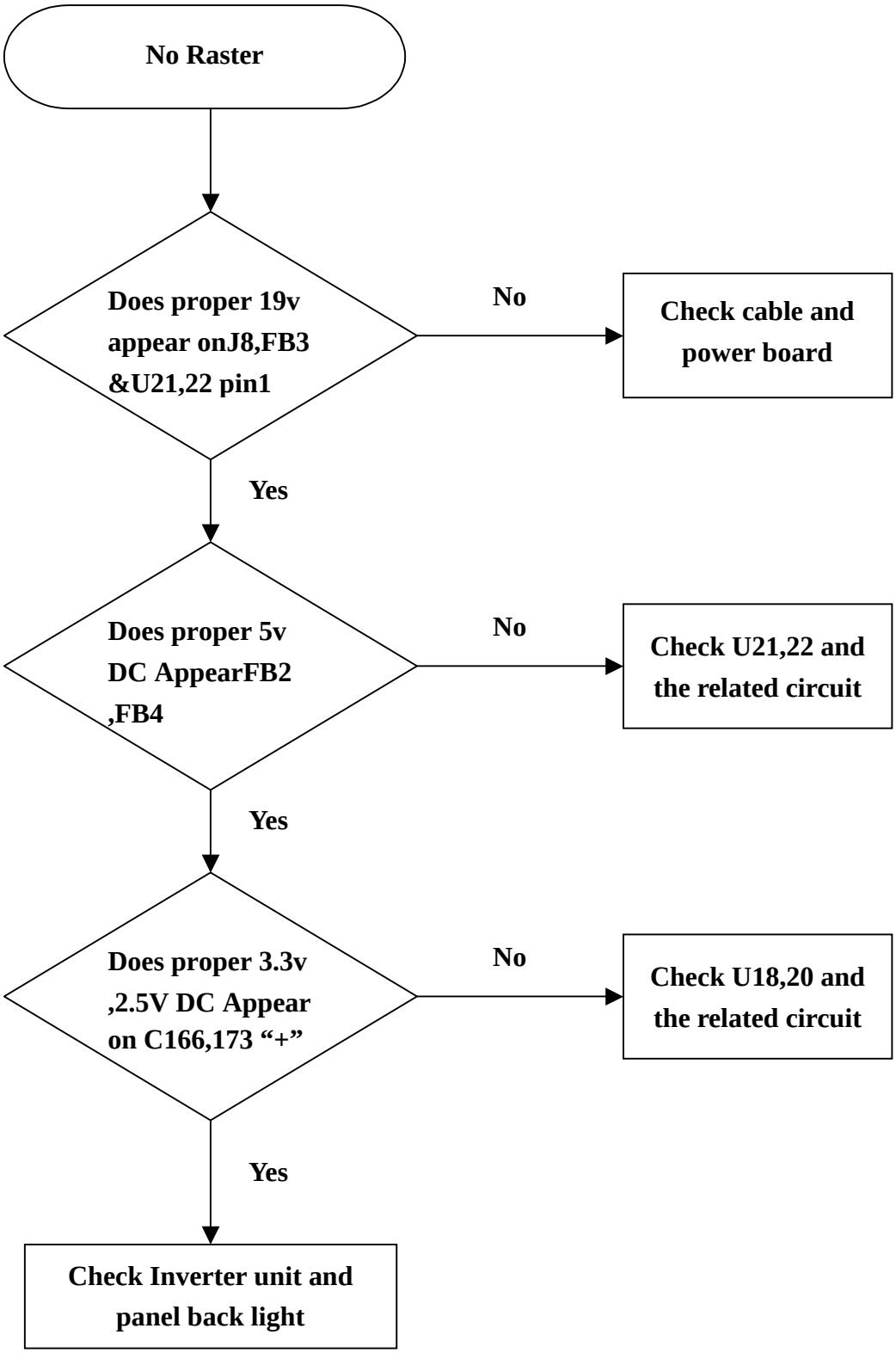
- No Power Problem
- No Raster Problem
- No Video Problem
- Video Abnormal
- Power Saving Problem
- No OSD Function
- No DDC Function

Troubleshooting

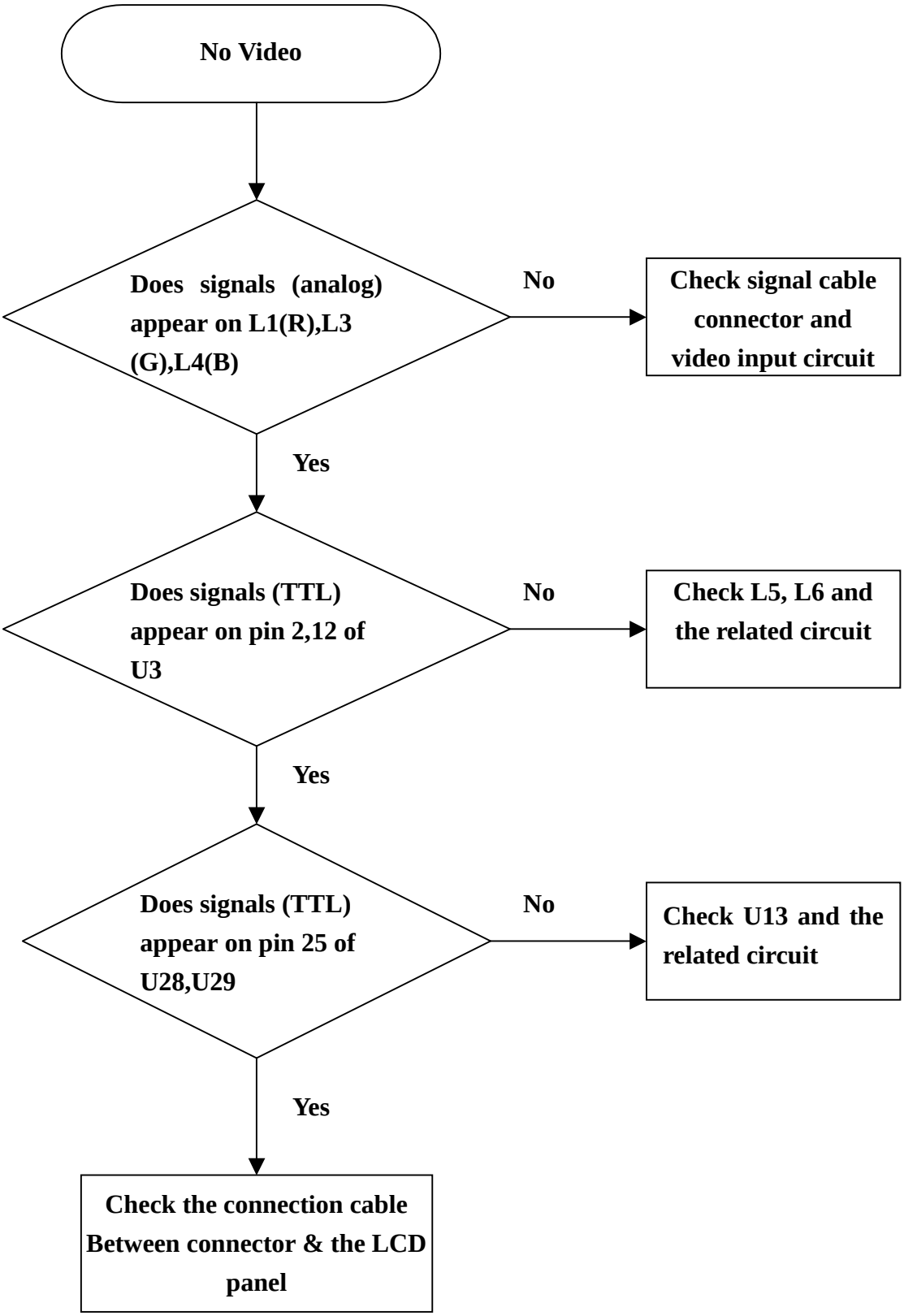
No Power



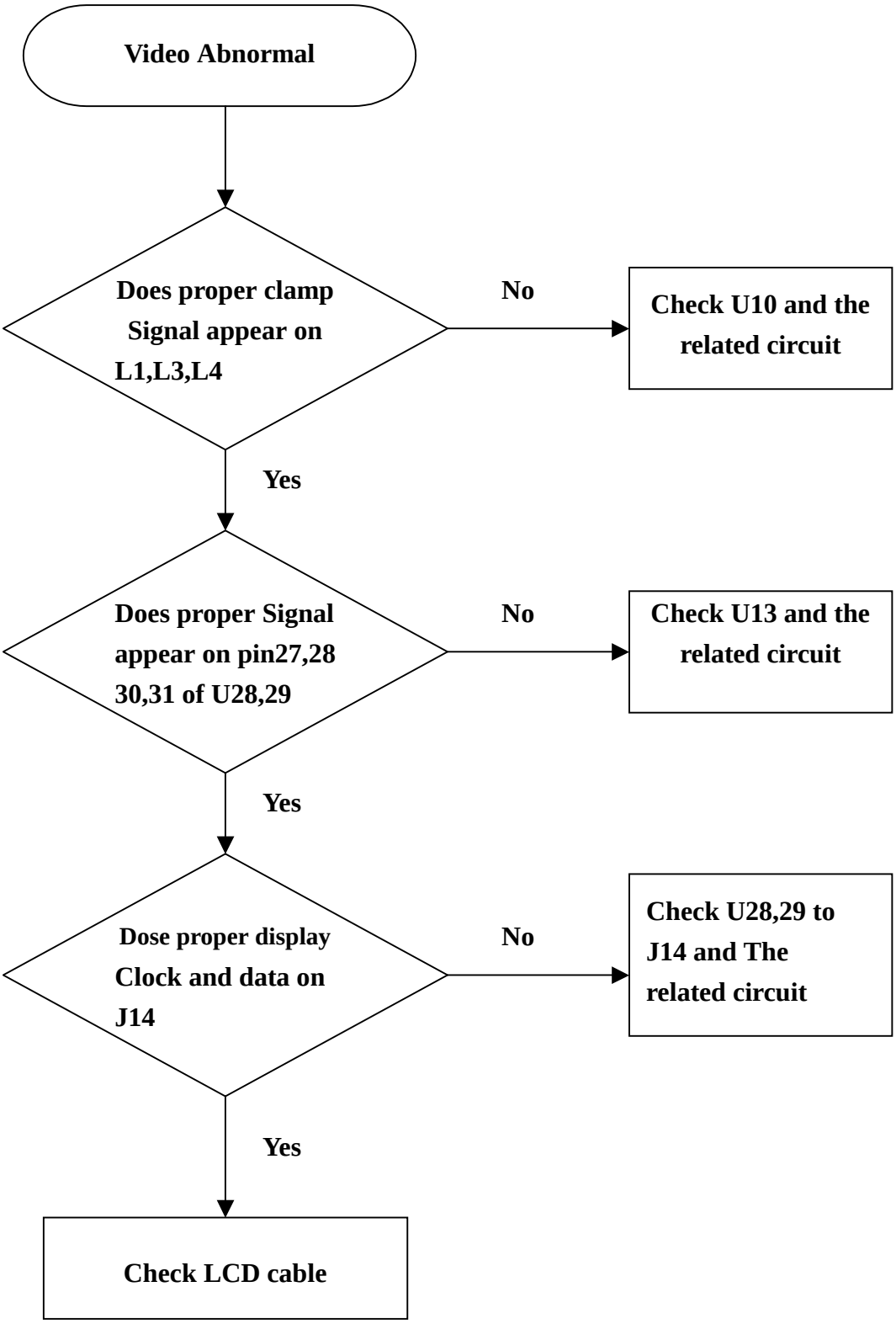
No Raster


No Raster
Does proper 19v appear onJ8,FB3 &U21,22 pin1
No
Check cable and power board
Yes
Does proper 5v DC AppearFB2 ,FB4
No
Check U21,22 and the related circuit
Yes
Does proper 3.3v ,2.5V DC Appear on C166,173 “+”
No
Check U18,20 and the related circuit
Yes
Check Inverter unit and panel back light

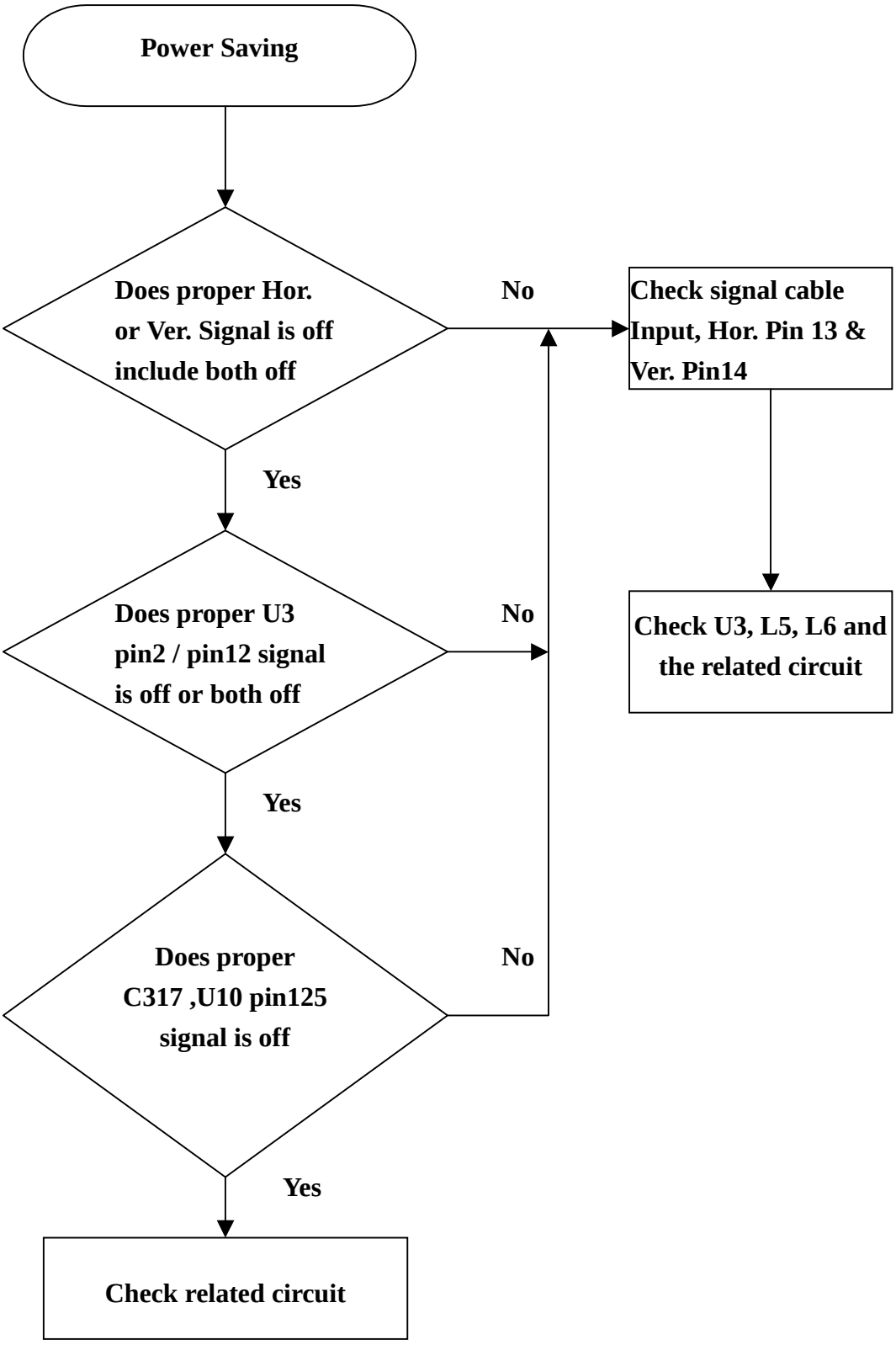
No Video


No Video
Does signals (analog) appear on L1(R),L3 (G),L4(B)
No
Check signal cable connector and video input circuit
Yes
Does signals (TTL) appear on pin 2,12 of U3
No
Check L5, L6 and the related circuit
Yes
Does signals (TTL) appear on pin 25 of U28,U29
No
Check U13 and the related circuit
Yes
Check the connection cable Between connector & the LCD panel

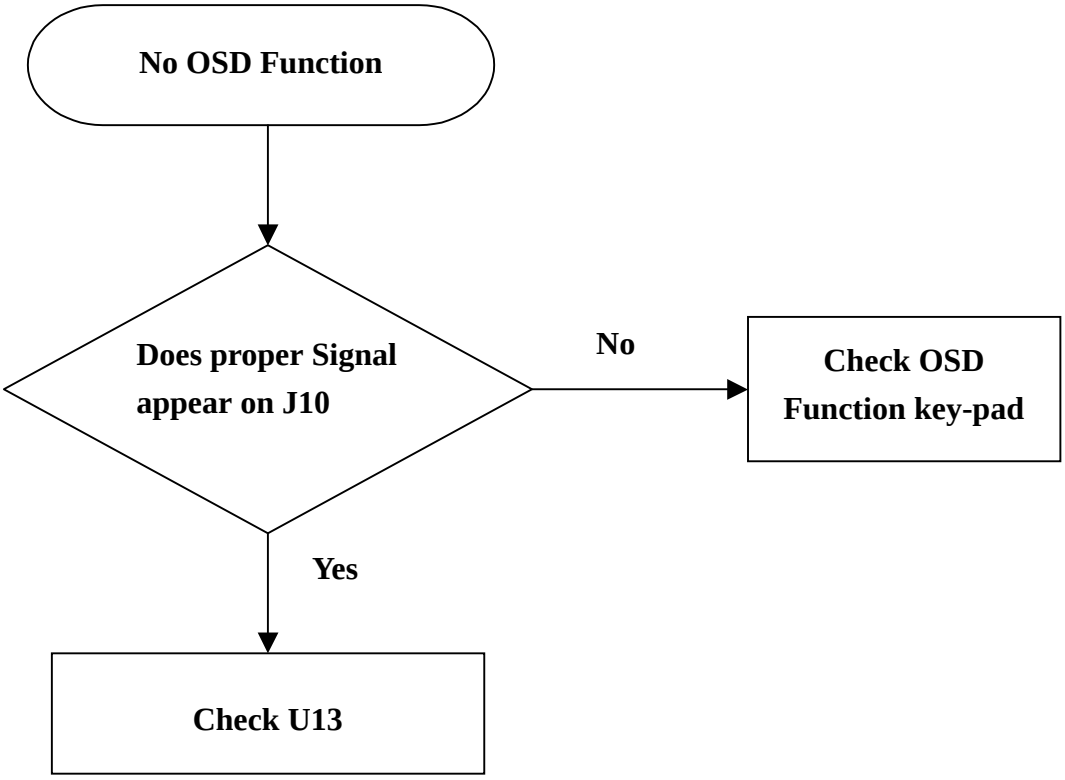
Video Abnormal



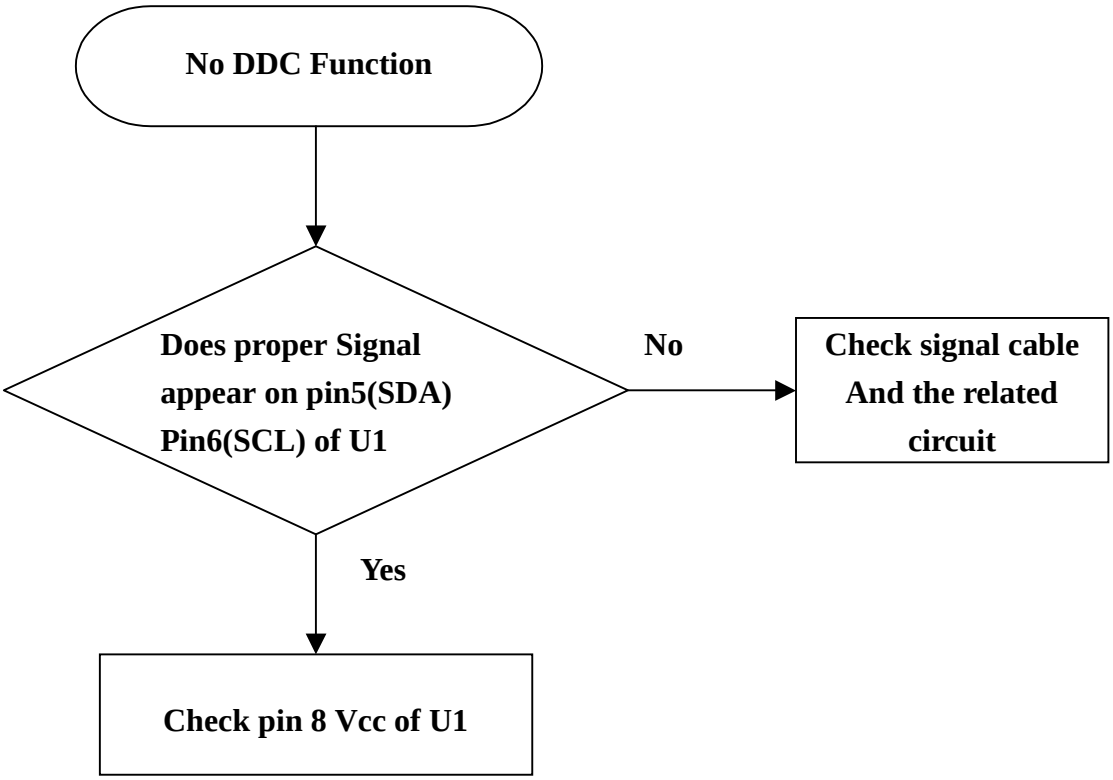
Power Saving



No OSD Function



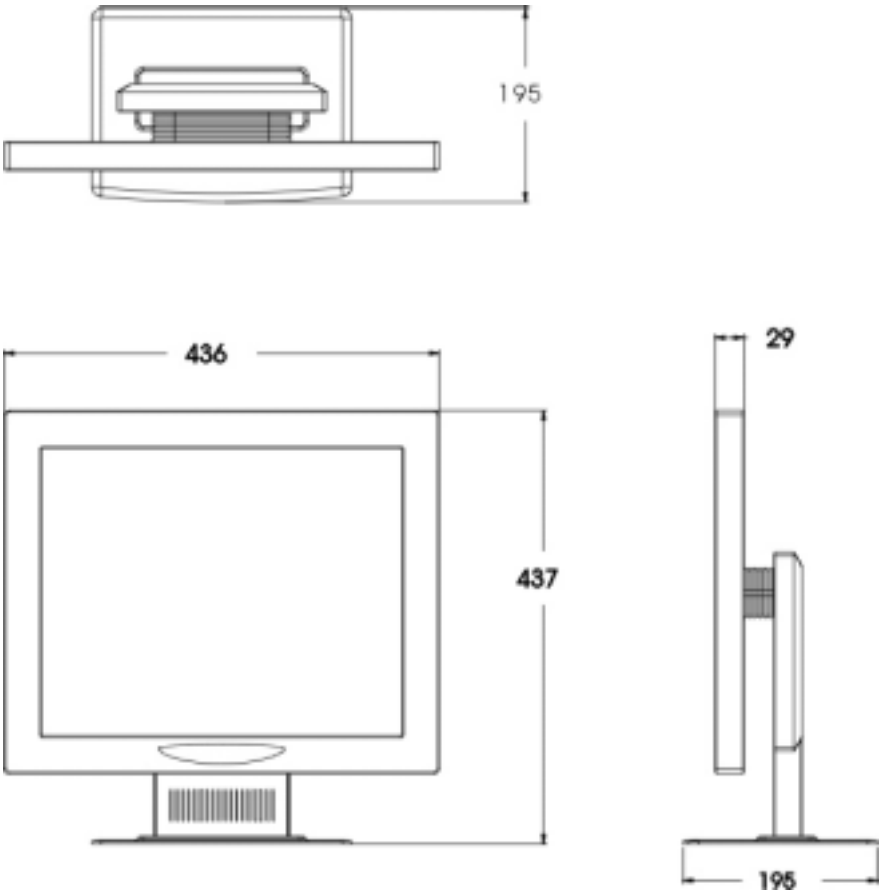
No DDC function



Chapter 3 Technical Overview

- Exploded Drawing
- Connection Guide
- Circuit Diagram
- Circuit Description
- BOM Structure
- Part List

Exploded Drawing

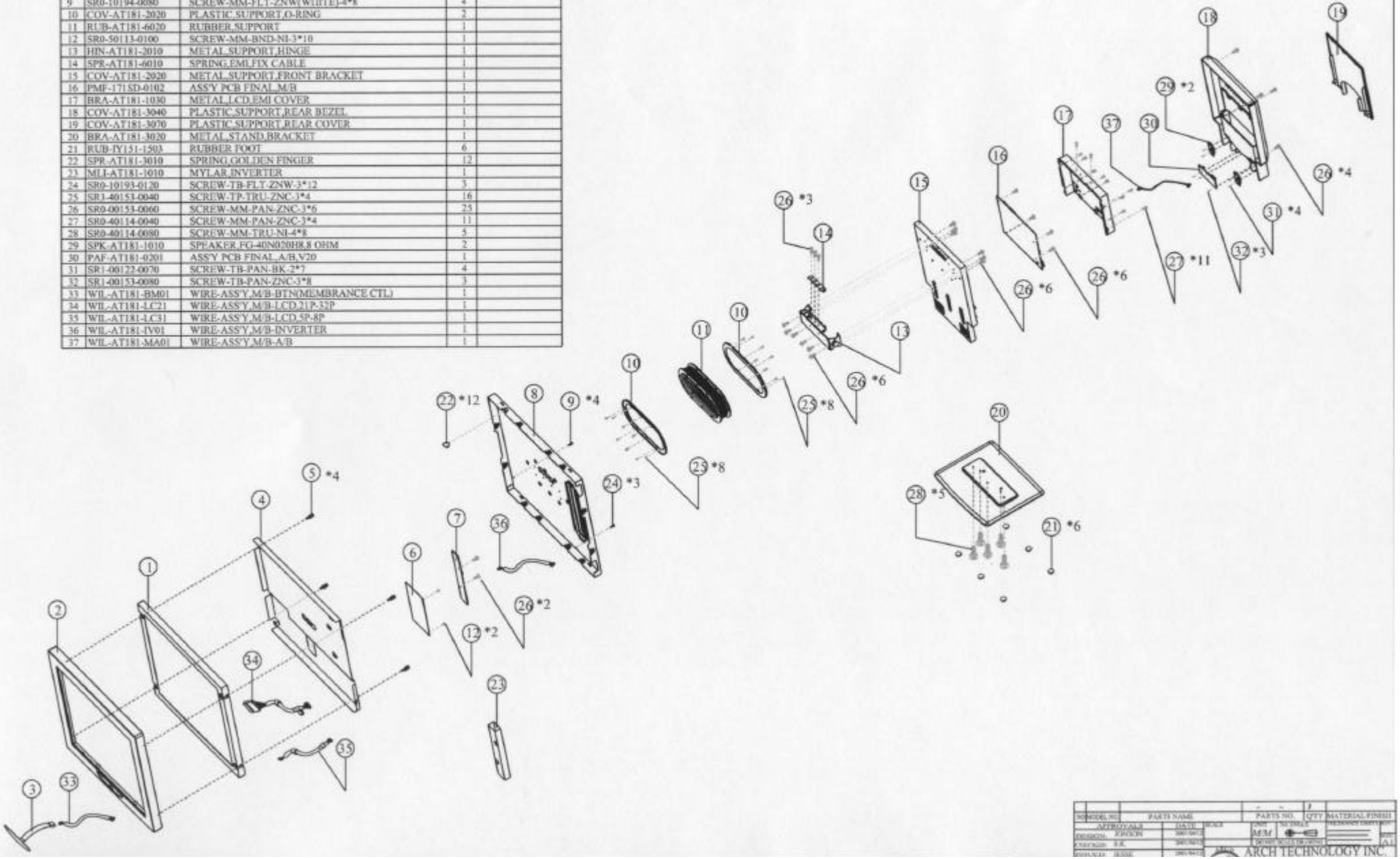


FILE NAME	
CAVITY NO.	
CAV. MATERIAL	

DATE	MARK	REVISION

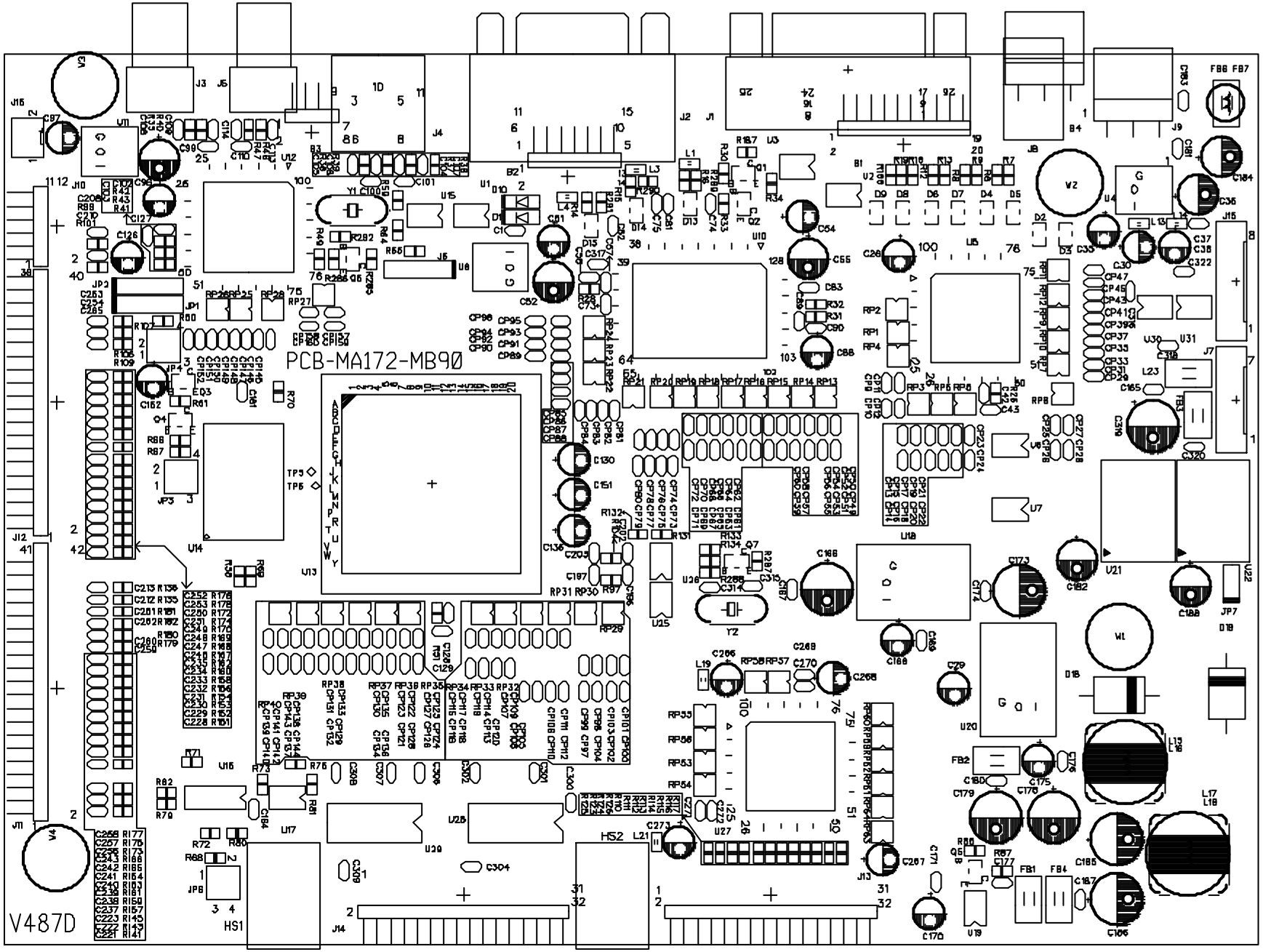
NO.	PARTS NO.	PARTS NAME	QTY	REMARK
1	LCD-LM181E1-41	PANEL,LCD,LM181E1-J3MN	1	
2	COV-AT181-1070	PLASTIC,LCD,FRONT BEZEL	1	
3	BTN-AT181-3301	BUTTON,MEMBRANE CONTROL SWITCHES	1	
4	BRA-AT181-1060	METAL,LCD,HOLDER,EMI	1	
5	SR0-00500-0020	SCREW-MM-STUD-4*(12.3+8.3)	4	
6	BRA-AT181-1070	METAL,LCD,BRACKET,INVERTER	1	
7	IVG-LG181-0401	INVERTER	1	
8	BRA-AT181-1080	METAL,LCD,BRACKET MAIN	1	
9	SR0-10194-0080	SCREW-MM-FLT-ZNW(WHITE)-4*8	4	
10	COV-AT181-2020	PLASTIC,SUPPORT,O-RING	2	
11	RUB-AT181-6020	RUBBER,SUPPORT	1	
12	SR0-50113-0100	SCREW-MM-BND-NI-3*10	1	
13	HIN-AT181-2010	METAL,SUPPORT,HINGE	1	
14	SPR-AT181-6010	SPRING,EMI,FIX CABLE	1	
15	COV-AT181-2020	METAL,SUPPORT,FRONT BRACKET	1	
16	PMF-171SD-0102	ASS'Y PCB FINAL,M/B	1	
17	BRA-AT181-1030	METAL,LCD,EMI COVER	1	
18	COV-AT181-3040	PLASTIC,SUPPORT,REAR BEZEL	1	
19	COV-AT181-3070	PLASTIC,SUPPORT,REAR COVER	1	
20	BRA-AT181-3020	METAL,STAND,BRACKET	1	
21	RUB-IY151-1503	RUBBER FOOT	6	
22	SPR-AT181-3010	SPRING,GOLDEN FINGER	12	
23	MLI-AT181-1010	MYLAR,INVERTER	1	
24	SR0-10193-0120	SCREW-TB-FLT-ZNW-3*12	3	
25	SR1-40153-0040	SCREW-TP-TRU-ZNC-3*4	16	
26	SR0-00153-0060	SCREW-MM-PAN-ZNC-3*6	25	
27	SR0-40114-0040	SCREW-MM-PAN-ZNC-3*4	11	
28	SR0-40114-0080	SCREW-MM-TRU-NI-4*8	5	
29	SPK-AT181-1010	SPEAKER,FG-40N020H8,8 OHM	2	
30	PAF-AT181-0201	ASS'Y PCB FINAL,A/B,V20	1	
31	SR1-00122-0070	SCREW-TB-PAN-BK-2*7	4	
32	SR1-00153-0080	SCREW-TB-PAN-ZNC-3*8	3	
33	WIL-AT181-BM01	WIRE-ASS'Y,M/B-BTN(MEMBRANCE CTL)	1	
34	WIL-AT181-LC21	WIRE-ASS'Y,M/B-LCD,21P-32P	1	
35	WIL-AT181-LC31	WIRE-ASS'Y,M/B-LCD,5P-8P	1	
36	WIL-AT181-IV01	WIRE-ASS'Y,M/B-INVERTER	1	
37	WIL-AT181-MA01	WIRE-ASS'Y,M/B-A/B	1	

AT181L1W

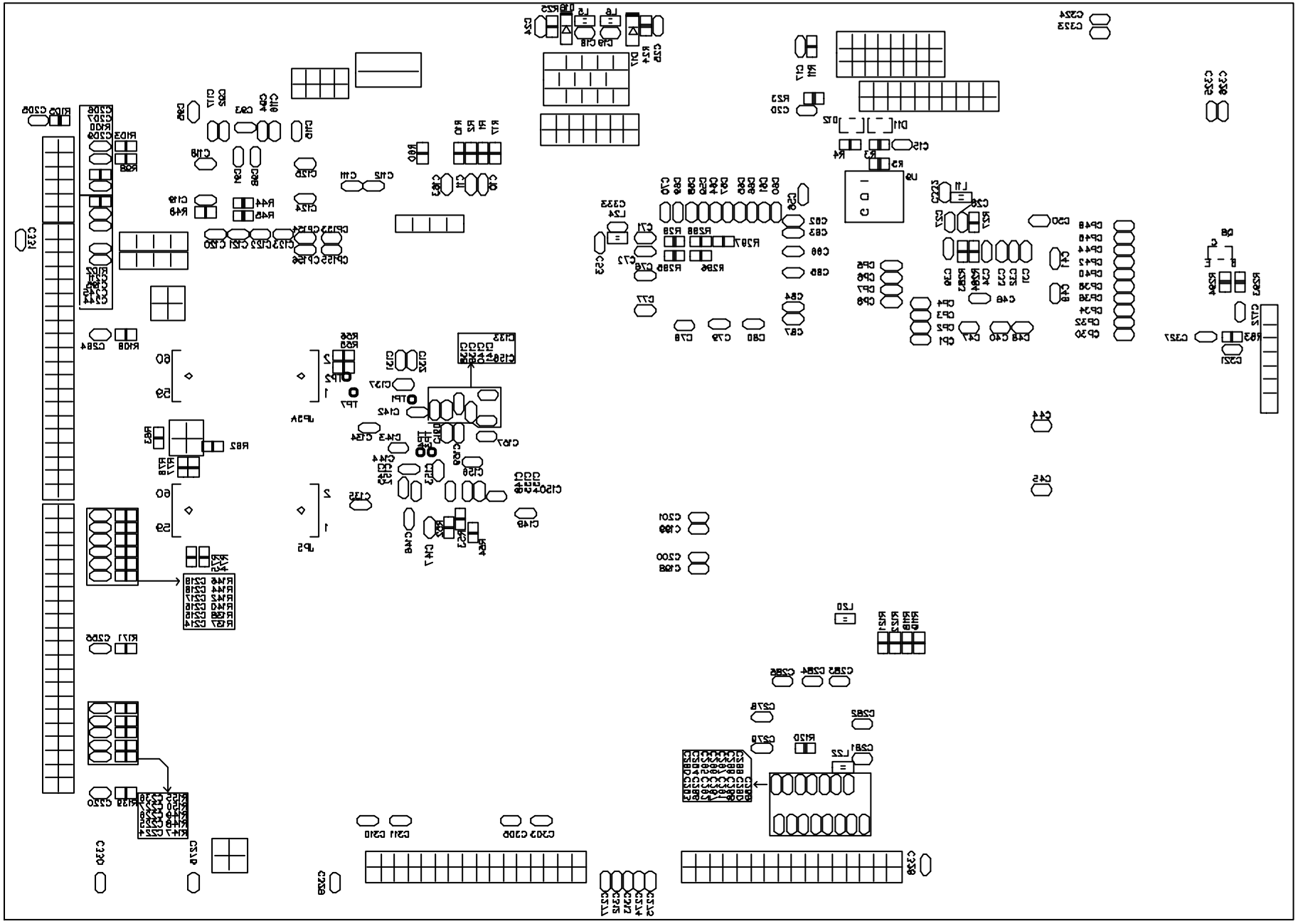


NO.	MODEL NO.	PARTS NAME	PARTS NO.	QTY	MATERIAL/FINISH

ARCH TECHNOLOGY INC.



TOPIC TECHNOLOGY CO., LTD.	
SILK SCREEN	NO: V487D
FOR TOP	12/14/2000



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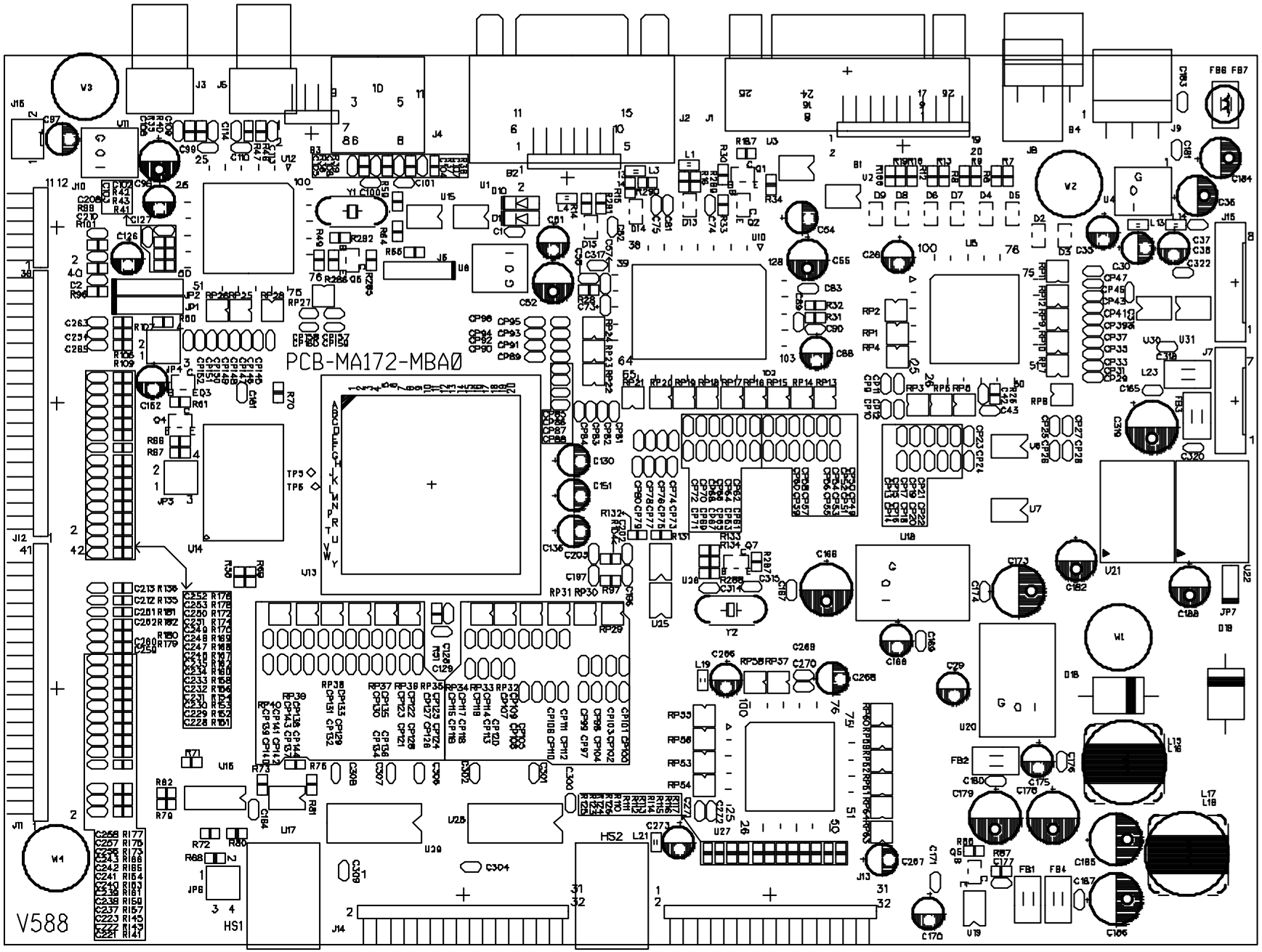
FOR BOTTOM	12/14/2000



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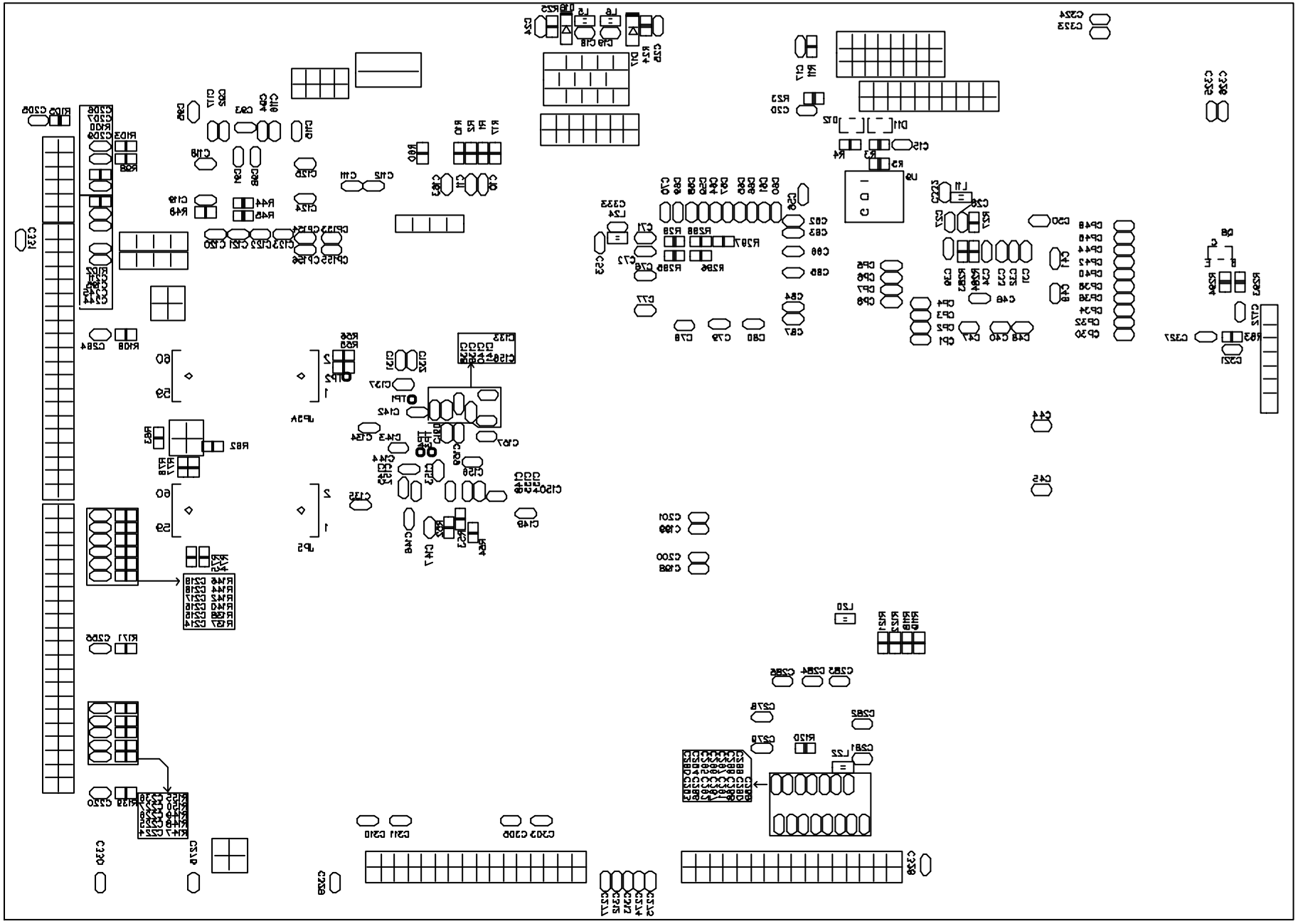
SILK SCREEN	NO: V588
FOR TOP	02/05/2001



TOPIC TECHNOLOGY CO., LTD.	
SILK SCREEN	NO: V588
FOR BOTTOM	02/05/2001

CONNECTION GUIDE

M/B CONNECTOR:

J2 : Connect VGA CABLE

J7 : Connect INVERTER CABLE

J8 : Connect AC ADAPTOR

J10 : Connect SWITCH BOARD

J14: Connect 32 pin LCD CABLE

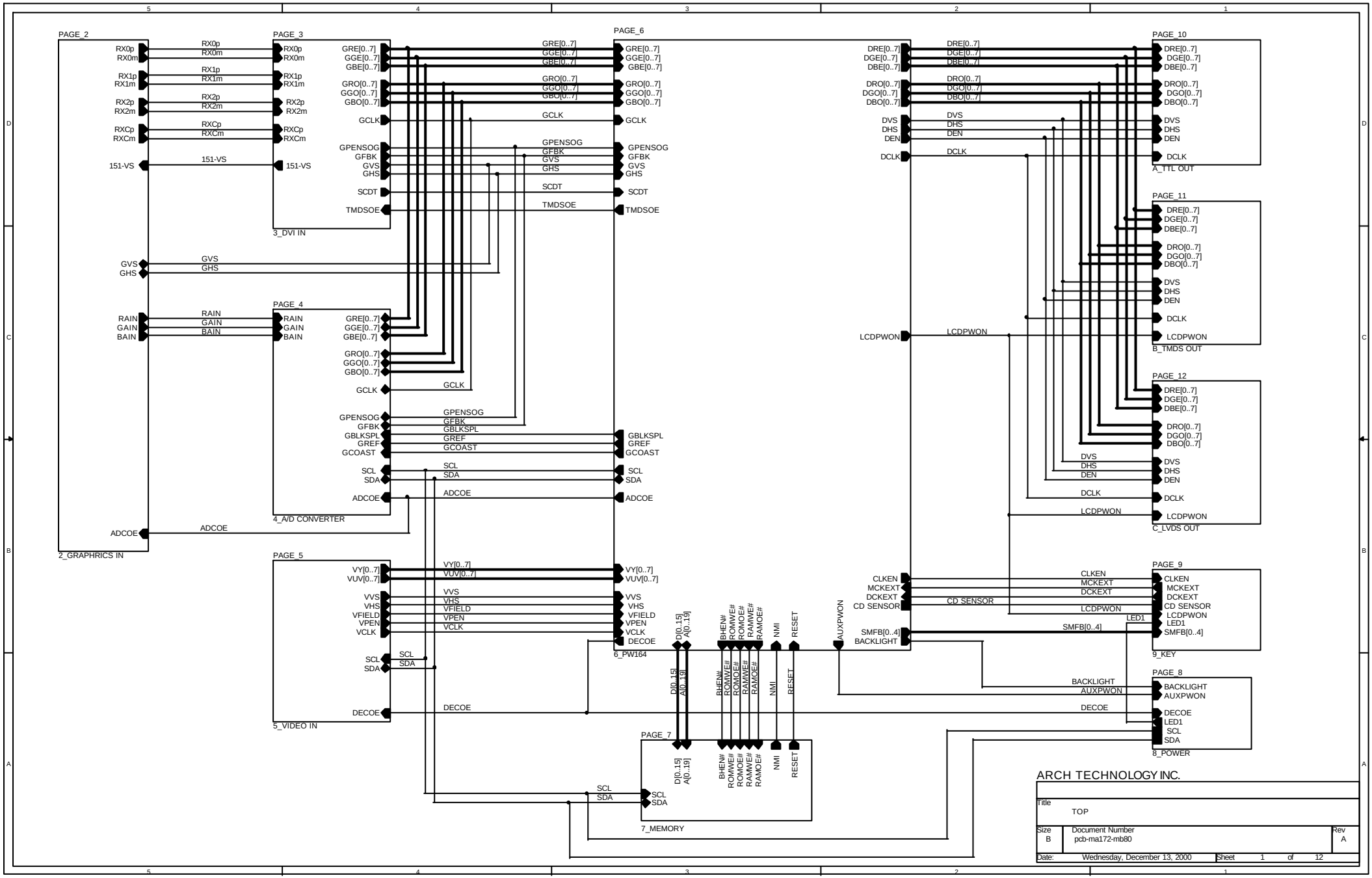
J15 : Connect LCD DC 12V POWER (LG,Hyundai)

J16 : Connect AUDIO BOARD

INVERTER CONNECTOR:

CN1: Connect M/B J7

CN2,3: Connect LCD Lamp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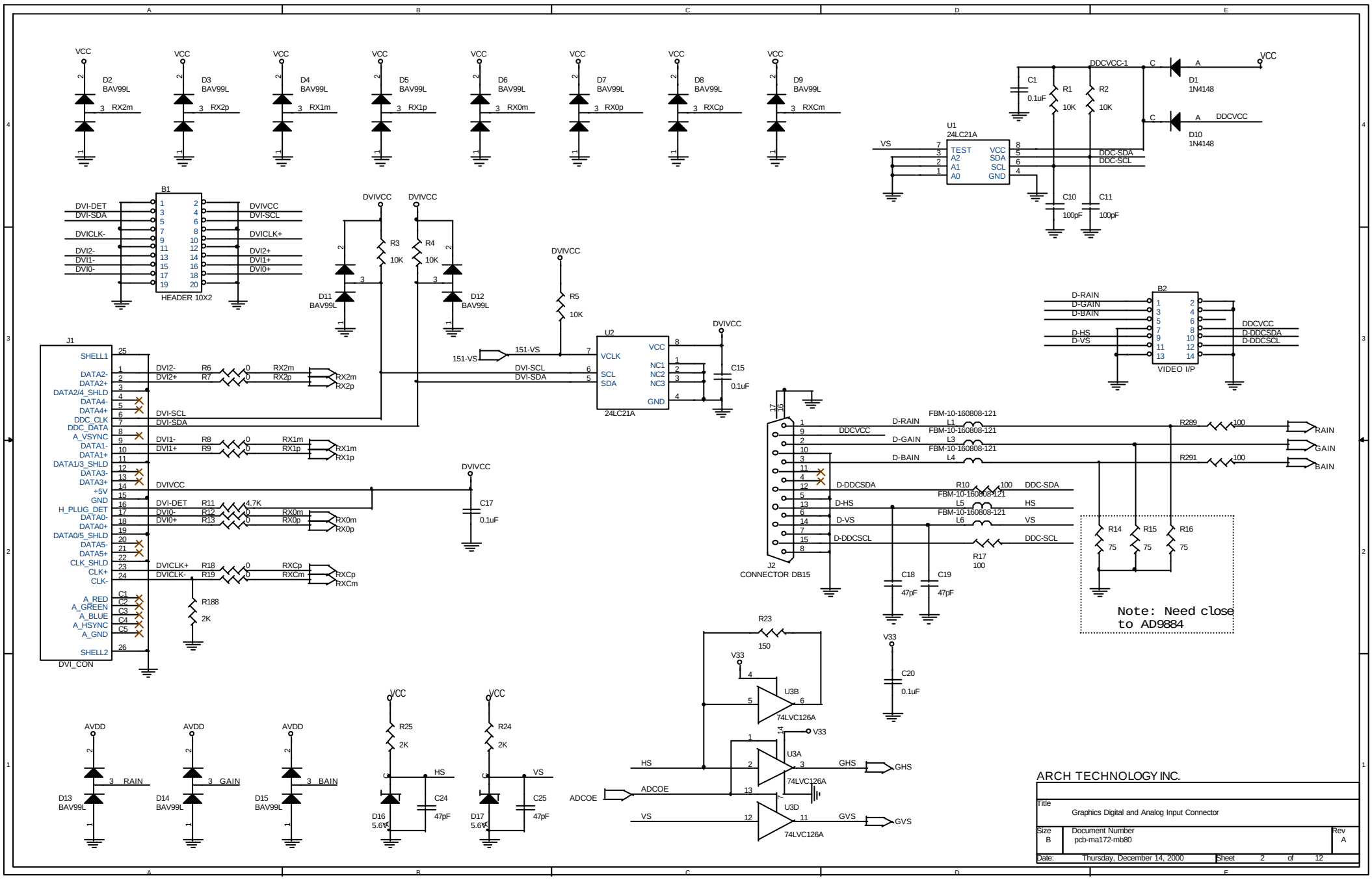
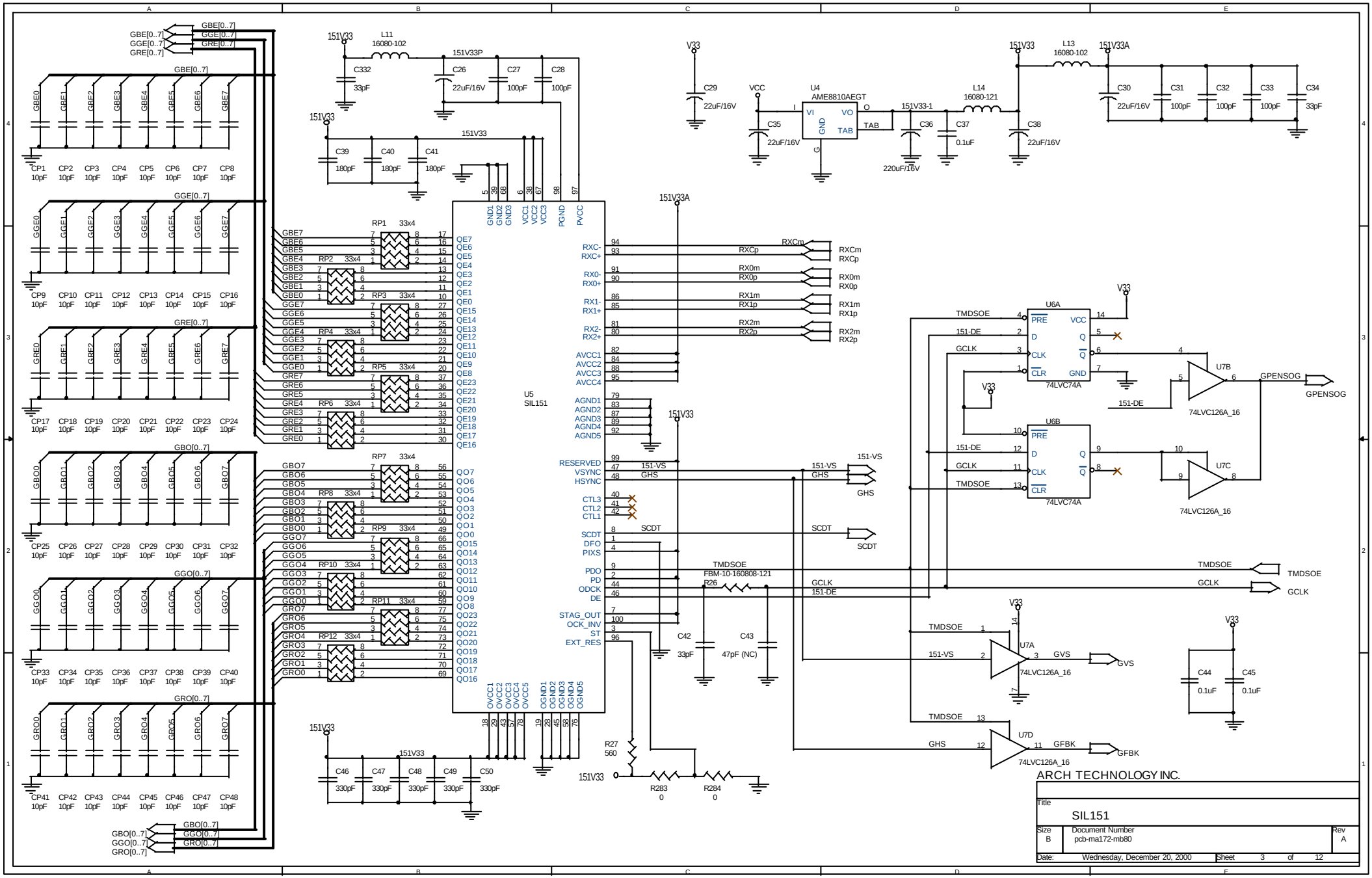
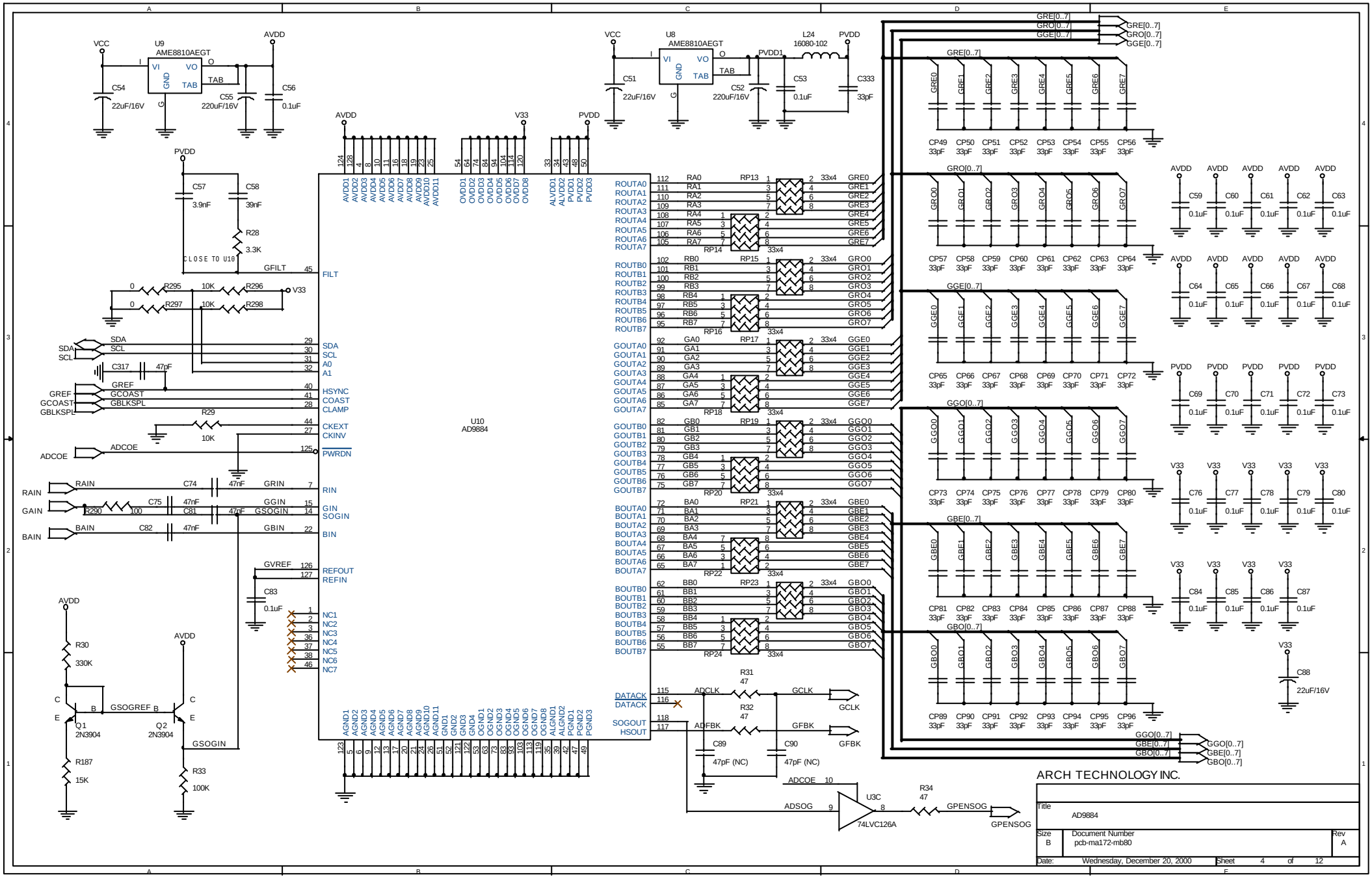
RX0p
RX0m
RX1p
RX1m
RX2p
RX2m
RXCp
RXCm
151-VS
GVS
GHS
RAIN
GAIN
BAIN
ADCOE
2_GRAPHRICS IN
PAGE_3
GRE[0..7]
GGE[0..7]
GBE[0..7]
GRO[0..7]
GGO[0..7]
GBO[0..7]
GCLK
GPENSOG
GFBK
GVS
GHS
SCDT
TMDSOE
3_DVI IN
PAGE_4
GBLKSPL
GREF
GCOAST
SCL
SDA
4_A/D CONVERTER
PAGE_5
VY[0..7]
VUV[0..7]
VVS
VHS
VFIELD
VPEN
VCLK
DECOE
5_VIDEO IN
PAGE_6
6_PW164
PAGE_7
7_MEMORY
D[0..15]
A[0..19]
BHEN#
ROMWE#
ROMOE#
RAMWE#
RAMOE#
NMI
RESET
AUXPWON
PAGE_10
DRE[0..7]
DGE[0..7]
DBE[0..7]
DRO[0..7]
DGO[0..7]
DBO[0..7]
DVS
DHS
DEN
DCLK
A_TTL OUT
PAGE_11
LCDPWON
B_TMDS OUT
PAGE_12
C_LVDS OUT
PAGE_9
CLKEN
MCKEXT
DCKEXT
CD SENSOR
LED1
SMFB[0..4]
BACKLIGHT
9_KEY
PAGE_8
8_POWER
ARCH TECHNOLOGY INC.
Title
TOP
Size
B
Document Number
pcb-ma172-mb80
Rev
A
Date:
Wednesday, December 13, 2000
Sheet
1
of
12



ARCH TECHNOLOGY INC.

Title	Graphics Digital and Analog Input Connector	
Size B	Document Number pcb-ma172-mb80	Rev A
Date: Thursday, December 14, 2000	Sheet 2 of 12	


U5
SIL151
U4
AME8810AEGT
U6A
U6B
U7A
U7B
U7C
U7D
74LVC74A
74LVC126A_16
L11
16080-102
L13
16080-102
L14
16080-121
151V33
151V33A
151V33P
151V33-1
V33
VCC
GBE[0..7]
GGE[0..7]
GRE[0..7]
GBO[0..7]
GGO[0..7]
GRO[0..7]
RXCm
RXCp
RX0m
RX0p
RX1m
RX1p
RX2m
RX2p
151-VS
GHS
SCDT
TMDSOE
GCLK
151-DE
GFBK
GVS
GPENSOG
ARCH TECHNOLOGY INC.
SIL151
Size B
Document Number pcb-ma172-mb80
Rev A
Date: Wednesday, December 20, 2000
Sheet 3 of 12


U9
AME8810AEGT
U8
AME8810AEGT
L24
16080-102
U10
AD9884
U3C
74LVC126A
Q1
2N3904
Q2
2N3904
CLOSE TO U10
ARCH TECHNOLOGY INC.
Title
AD9884
Size
B
Document Number
pcb-ma172-mb80
Rev
A
Date:
Wednesday, December 20, 2000
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4
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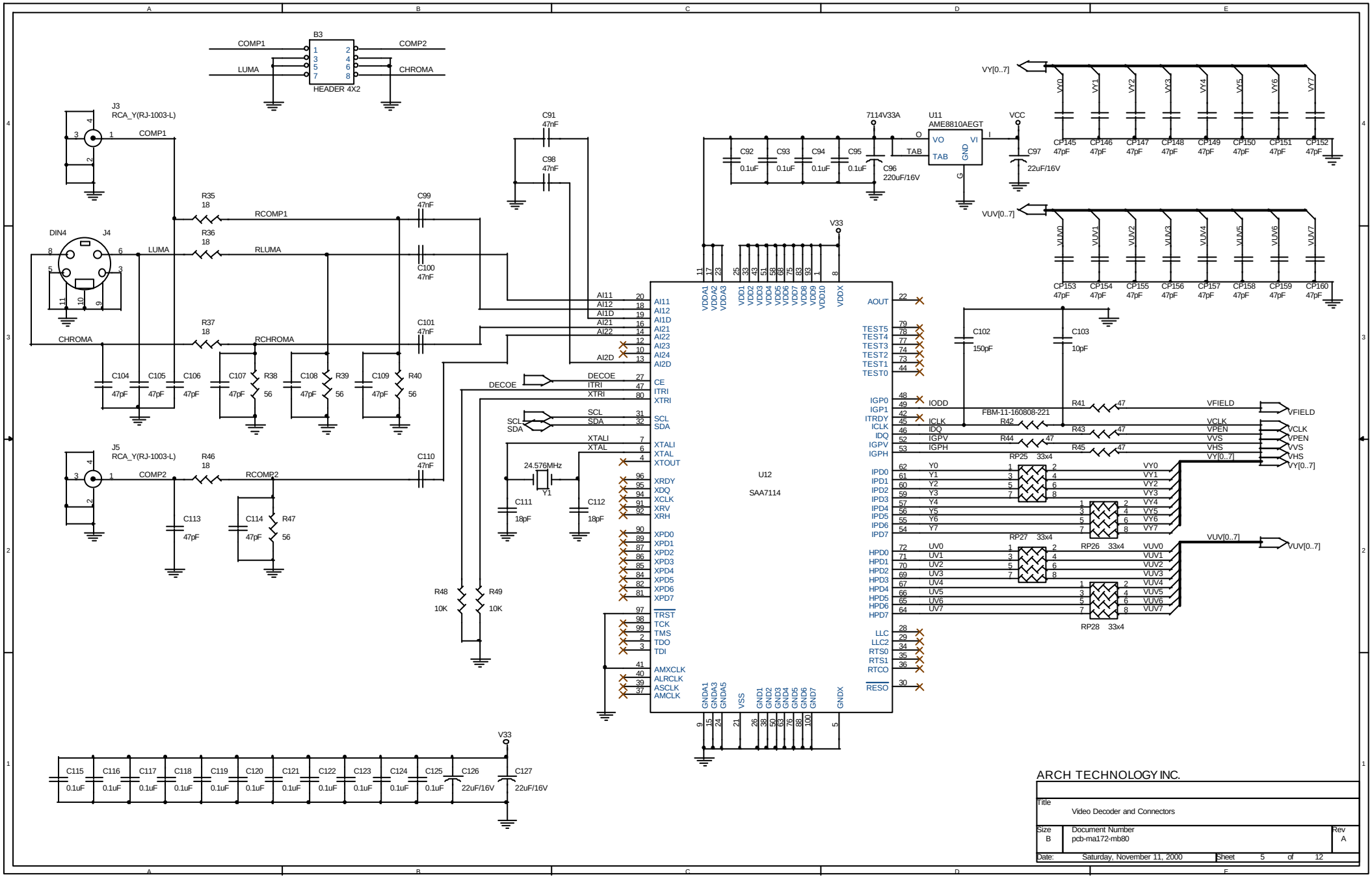
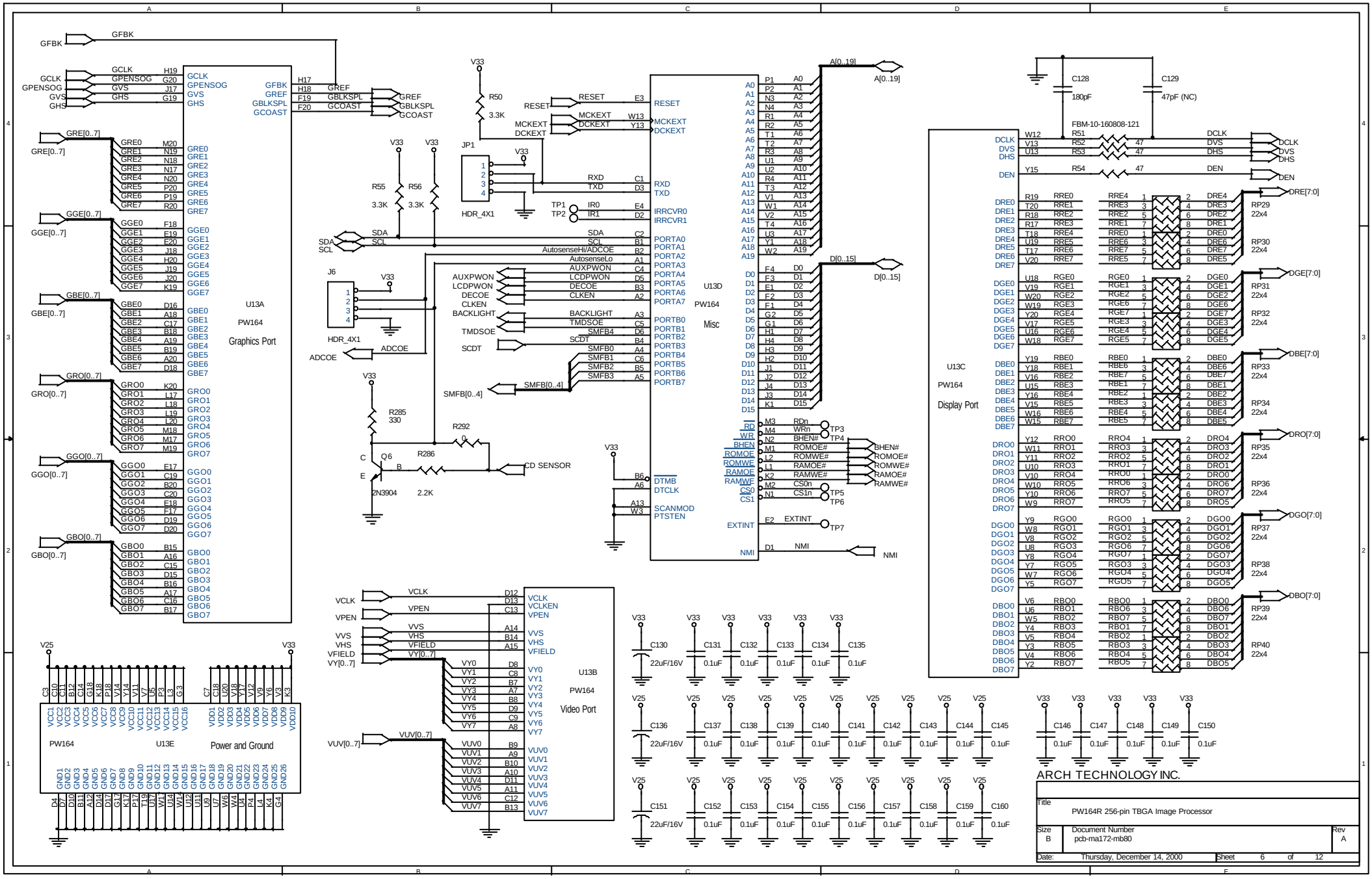
12



ARCH TECHNOLOGY INC.

Title	Video Decoder and Connectors	
Size B	Document Number pcb-ma172-mb80	Rev A
Date: Saturday, November 11, 2000	Sheet 5 of 12	


GFBK
GCLK
GPENSOG
GVS
GHS
GRE[0..7]
GGE[0..7]
GBE[0..7]
GRO[0..7]
GGO[0..7]
GBO[0..7]
U13A
PW164
Graphics Port
GFBK
GREF
GBLKSPL
GCOAST
H17
H18
F19
F20
V33
R50
3.3K
RESET
MCKEXT
DCKEXT
RXD
TXD
IR0
IR1
TP1
TP2
JP1
HDR_4X1
R55
R56
3.3K
SDA
SCL
AutosenseHi/ADCOE
AutosenseLo
AUXPWON
LCDPWON
DECOE
CLKEN
BACKLIGHT
TMDSOE
SCDT
SMFB[0..4]
J6
ADCOE
R285
330
R292
0
Q6
2N3904
R286
2.2K
CD SENSOR
U13D
PW164
Misc
PORTA0
PORTA1
PORTA2
PORTA3
PORTA4
PORTA5
PORTA6
PORTA7
PORTB0
PORTB1
PORTB2
PORTB3
PORTB4
PORTB5
PORTB6
PORTB7
DTMB
DTCLK
SCANMOD
PTSTEN
A[0..19]
D[0..15]
RD
WR
BHEN
ROMOE
ROMWE
RAMOE
RAMWE
CS0
CS1
EXTINT
NMI
BHEN#
ROMOE#
ROMWE#
RAMOE#
RAMWE#
TP3
TP4
TP5
TP6
TP7
C128
180pF
C129
47pF (NC)
FBM-10-160808-121
R51
R52
R53
R54
47
DCLK
DVS
DHS
DEN
U13C
PW164
Display Port
DRE[7:0]
DGE[7:0]
DBE[7:0]
DRO[7:0]
DGO[7:0]
DBO[7:0]
RP29
RP30
RP31
RP32
RP33
RP34
RP35
RP36
RP37
RP38
RP39
RP40
22x4
U13E
PW164
Power and Ground
U13B
PW164
Video Port
VCLK
VPEN
VVS
VHS
VFIELD
VY[0..7]
VUV[0..7]
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
22uF/16V
0.1uF
ARCH TECHNOLOGY INC.
Title
PW164R 256-pin TBGA Image Processor
Size
B
Document Number
pcb-ma172-mb80
Rev
A
Date:
Thursday, December 14, 2000
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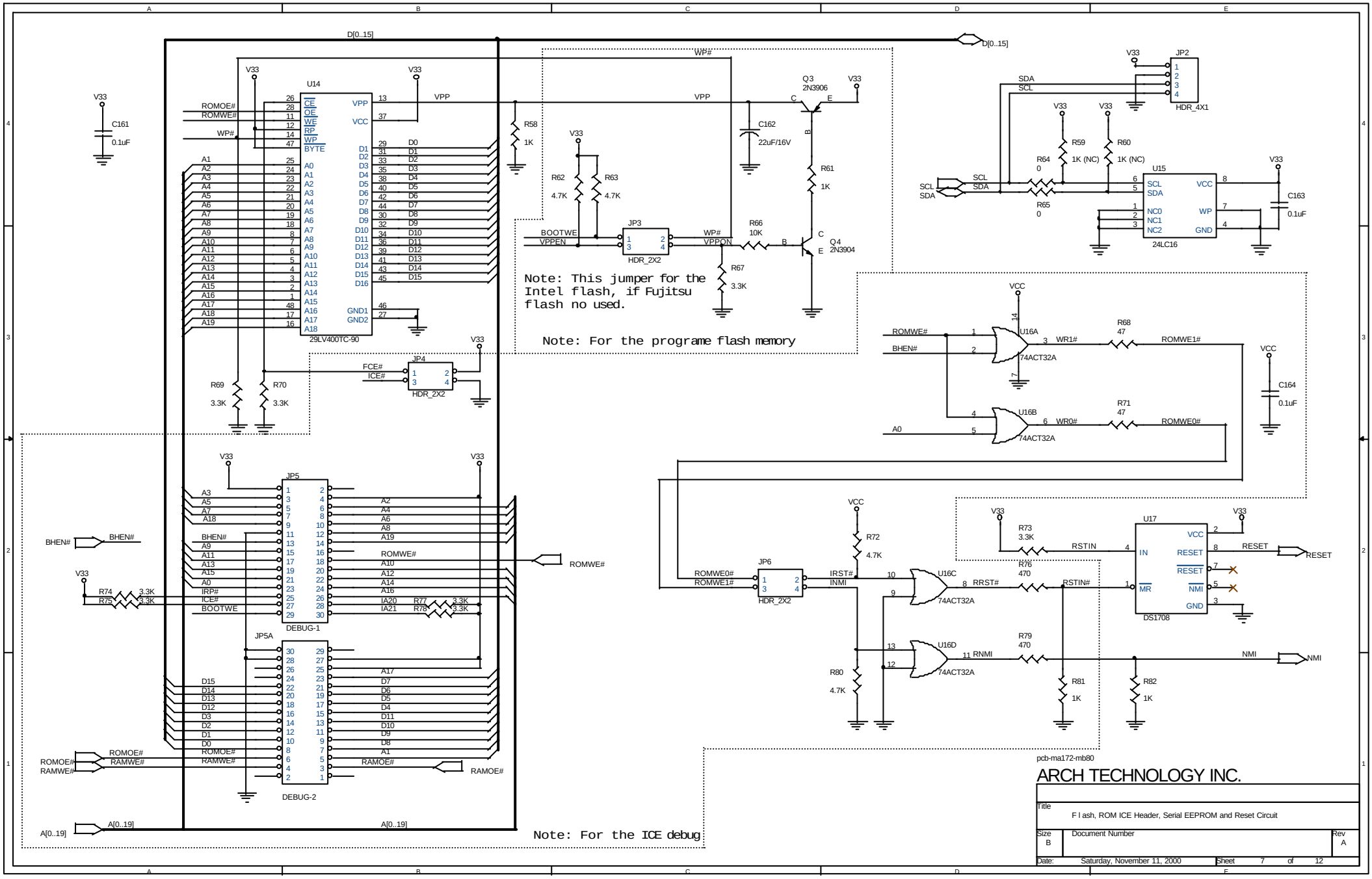
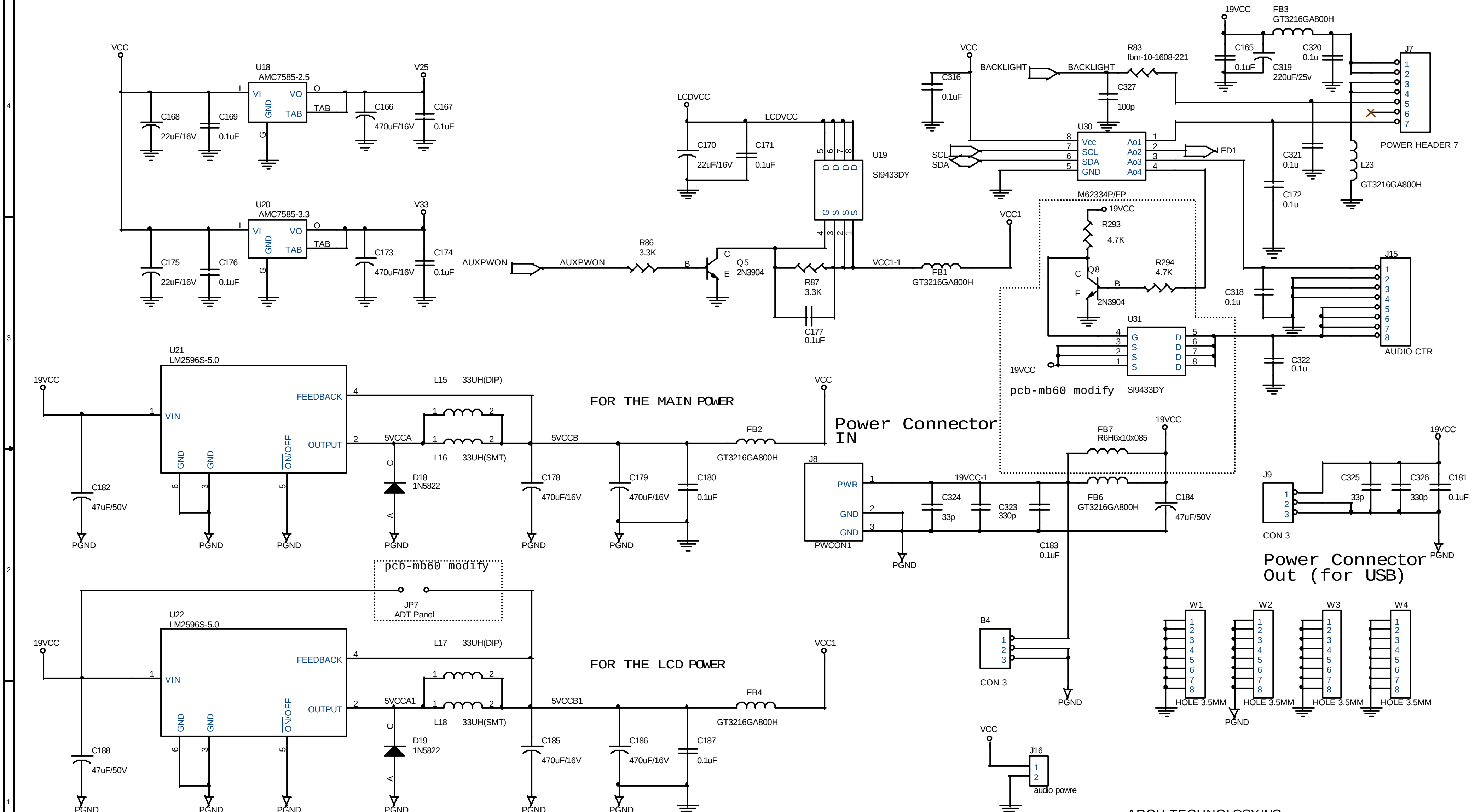
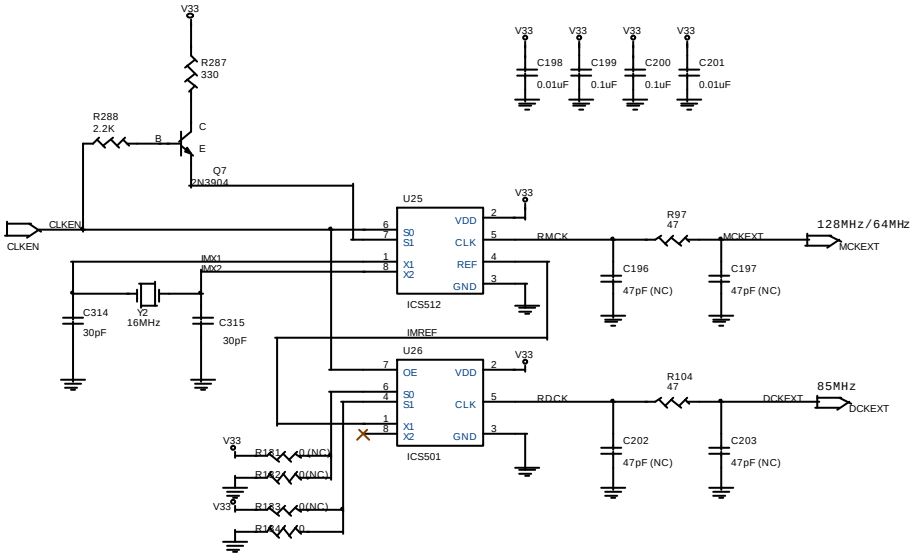
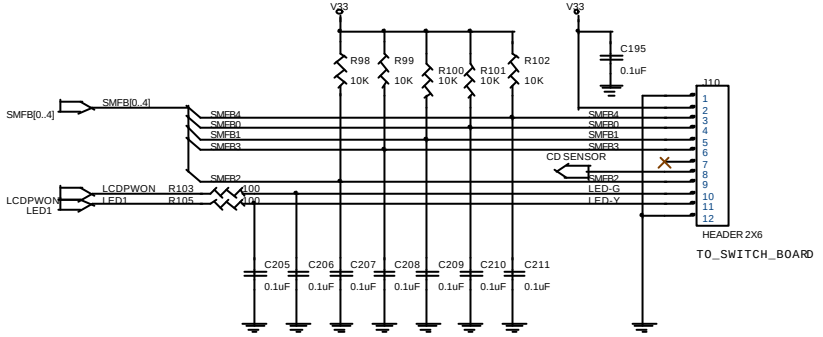

U14
29LV400TC-90
Note: This jumper for the Intel flash, if Fujitsu flash no used.
Note: For the programe flash memory
Note: For the ICE debug
JP1
JP2
JP3
JP4
JP5
JP5A
JP6
HDR_4X1
HDR_2X2
DEBUG-1
DEBUG-2
U15
24LC16
U16A
U16B
U16C
U16D
74ACT32A
U17
DS1708
Q3 2N3906
Q4 2N3904
pcb-ma172-mb80
ARCH TECHNOLOGY INC.
F l ash, ROM ICE Header, Serial EEPROM and Reset Circuit
Saturday, November 11, 2000
Sheet 7 of 12



ARCH TECHNOLOGY INC.

Title: Power and DC to DC Converter		
Size: B	Document Number: pcb-ma172-mb80	Rev: A
Date: Thursday, December 14, 2000	Sheet 8 of 12	

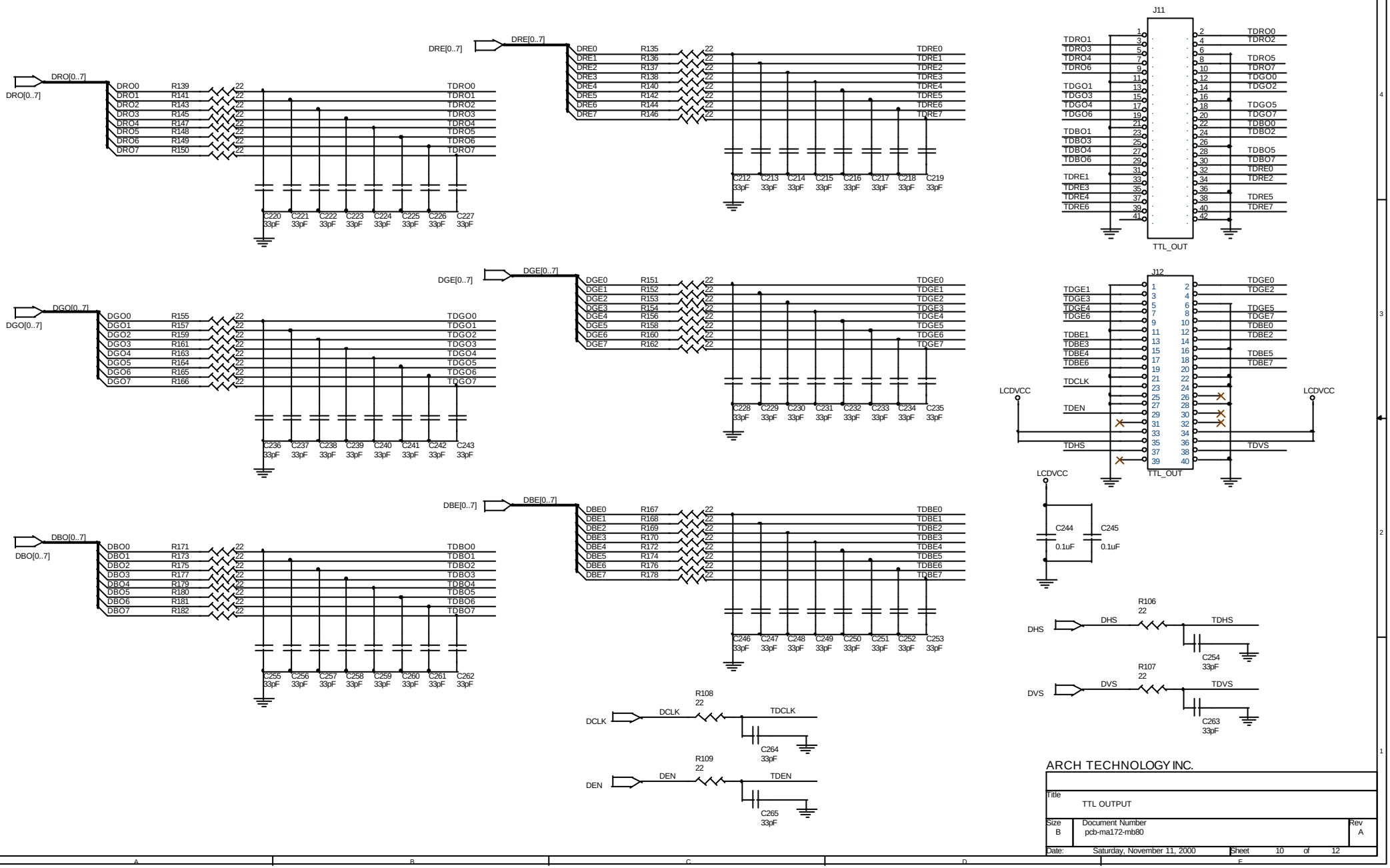




Note: (1) Mckext is 128MHz, set U25 S0,S1 = high, high. Dckext is 96MHz, set U26 S0,S1 = low,high. for the samsung LCD. (2) Mckext is 130MHz, set U25 S0,S1 = high, low. Dckext is 104MHz, set U26 S0,S1 = low,low. and change Y2 to 26MHz. for the Fujitsu LCD.

ARCH TECHNOLOGY INC.

Title: Key Pad and PLL		
Size: B	Document Number: pcb-ma172-mb80	Rev: A
Date: Monday, November 20, 2000	Sheet 9 of 12	


DRO[0..7]
DRO0 R139 22 TDRO0
DRO1 R141 22 TDRO1
DRO2 R143 22 TDRO2
DRO3 R145 22 TDRO3
DRO4 R147 22 TDRO4
DRO5 R148 22 TDRO5
DRO6 R149 22 TDRO6
DRO7 R150 22 TDRO7
C220 33pF C221 33pF C222 33pF C223 33pF C224 33pF C225 33pF C226 33pF C227 33pF
DRE[0..7]
DRE0 R135 22 TDRE0
DRE1 R136 22 TDRE1
DRE2 R137 22 TDRE2
DRE3 R138 22 TDRE3
DRE4 R140 22 TDRE4
DRE5 R142 22 TDRE5
DRE6 R144 22 TDRE6
DRE7 R146 22 TDRE7
C212 33pF C213 33pF C214 33pF C215 33pF C216 33pF C217 33pF C218 33pF C219 33pF
J11
TDRO1 TDRO3 TDRO4 TDRO6 TDGO1 TDGO3 TDGO4 TDGO6 TDBO1 TDBO3 TDBO4 TDBO6 TDRE1 TDRE3 TDRE4 TDRE6
TDRO0 TDRO2 TDRO5 TDRO7 TDGO0 TDGO2 TDGO5 TDGO7 TDBO0 TDBO2 TDBO5 TDBO7 TDRE0 TDRE2 TDRE5 TDRE7
TTL_OUT
DGO[0..7]
DGO0 R155 22 TDGO0
DGO1 R157 22 TDGO1
DGO2 R159 22 TDGO2
DGO3 R161 22 TDGO3
DGO4 R163 22 TDGO4
DGO5 R164 22 TDGO5
DGO6 R165 22 TDGO6
DGO7 R166 22 TDGO7
C236 33pF C237 33pF C238 33pF C239 33pF C240 33pF C241 33pF C242 33pF C243 33pF
DGE[0..7]
DGE0 R151 22 TDGE0
DGE1 R152 22 TDGE1
DGE2 R153 22 TDGE2
DGE3 R154 22 TDGE3
DGE4 R156 22 TDGE4
DGE5 R158 22 TDGE5
DGE6 R160 22 TDGE6
DGE7 R162 22 TDGE7
C228 33pF C229 33pF C230 33pF C231 33pF C232 33pF C233 33pF C234 33pF C235 33pF
J12
TDGE1 TDGE3 TDGE4 TDGE6 TDBE1 TDBE3 TDBE4 TDBE6 TDCLK TDEN TDHS
TDGE0 TDGE2 TDGE5 TDGE7 TDBE0 TDBE2 TDBE5 TDBE7 TDVS
LCDVCC
TTL_OUT
LCDVCC
C244 0.1uF
C245 0.1uF
DBO[0..7]
DBO0 R171 22 TDBO0
DBO1 R173 22 TDBO1
DBO2 R175 22 TDBO2
DBO3 R177 22 TDBO3
DBO4 R179 22 TDBO4
DBO5 R180 22 TDBO5
DBO6 R181 22 TDBO6
DBO7 R182 22 TDBO7
C255 33pF C256 33pF C257 33pF C258 33pF C259 33pF C260 33pF C261 33pF C262 33pF
DBE[0..7]
DBE0 R167 22 TDBE0
DBE1 R168 22 TDBE1
DBE2 R169 22 TDBE2
DBE3 R170 22 TDBE3
DBE4 R172 22 TDBE4
DBE5 R174 22 TDBE5
DBE6 R176 22 TDBE6
DBE7 R178 22 TDBE7
C246 33pF C247 33pF C248 33pF C249 33pF C250 33pF C251 33pF C252 33pF C253 33pF
DCLK R108 22 TDCLK C264 33pF
DEN R109 22 TDEN C265 33pF
DHS R106 22 TDHS C254 33pF
DVS R107 22 TDVS C263 33pF
ARCH TECHNOLOGY INC.
Title
TTL OUTPUT
Size B
Document Number pcb-ma172-mb80
Rev A
Date: Saturday, November 11, 2000
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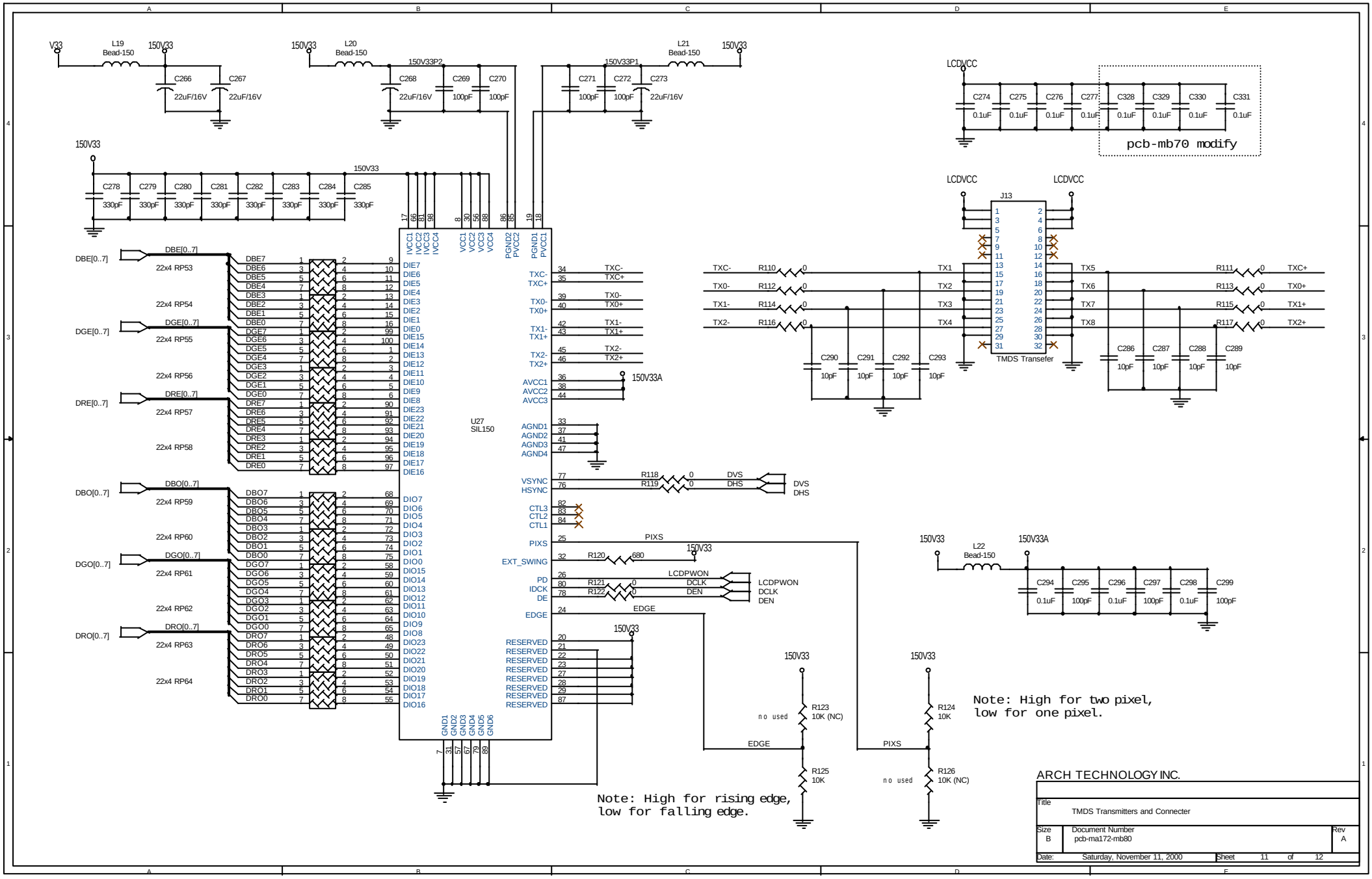
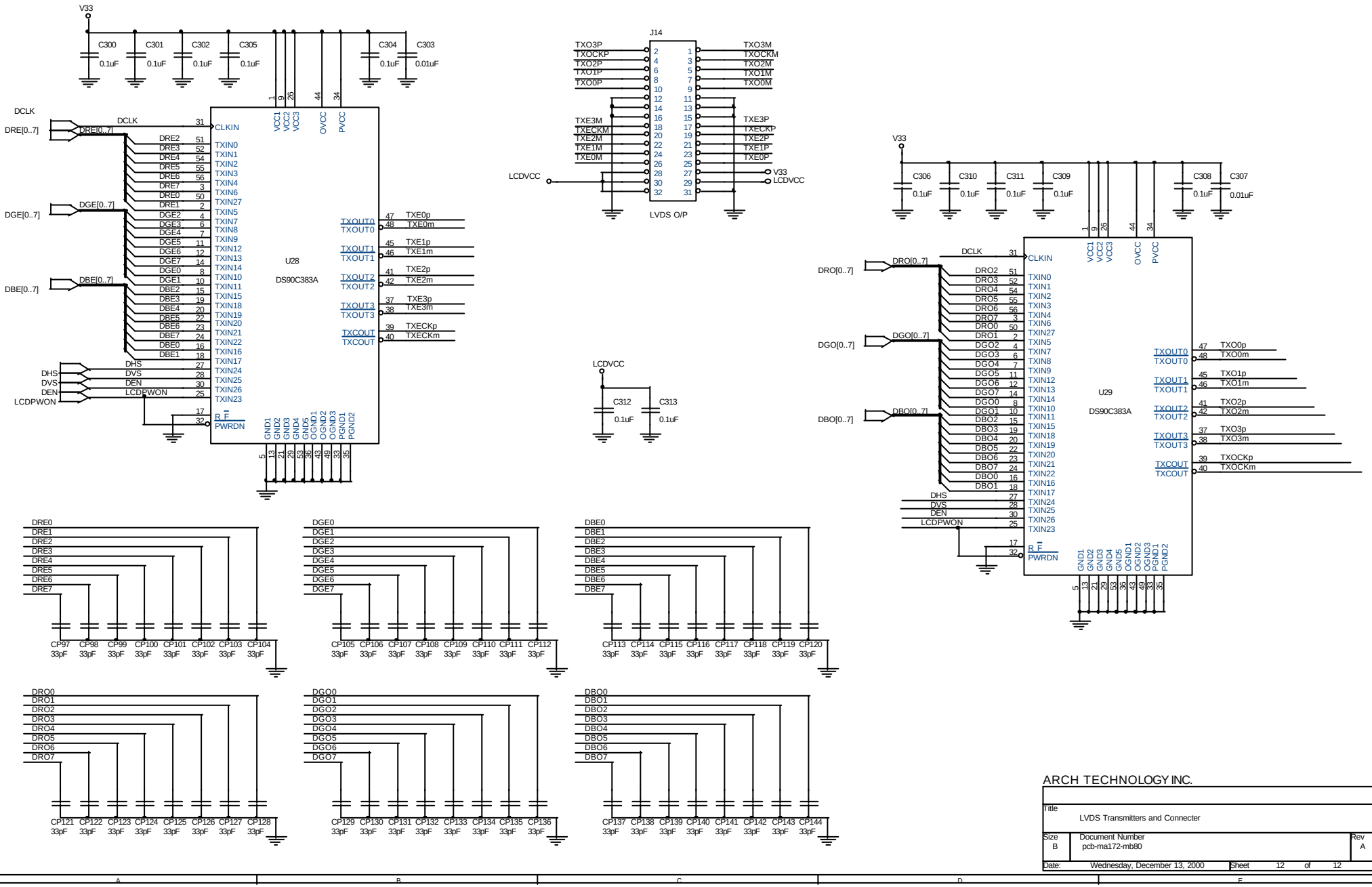
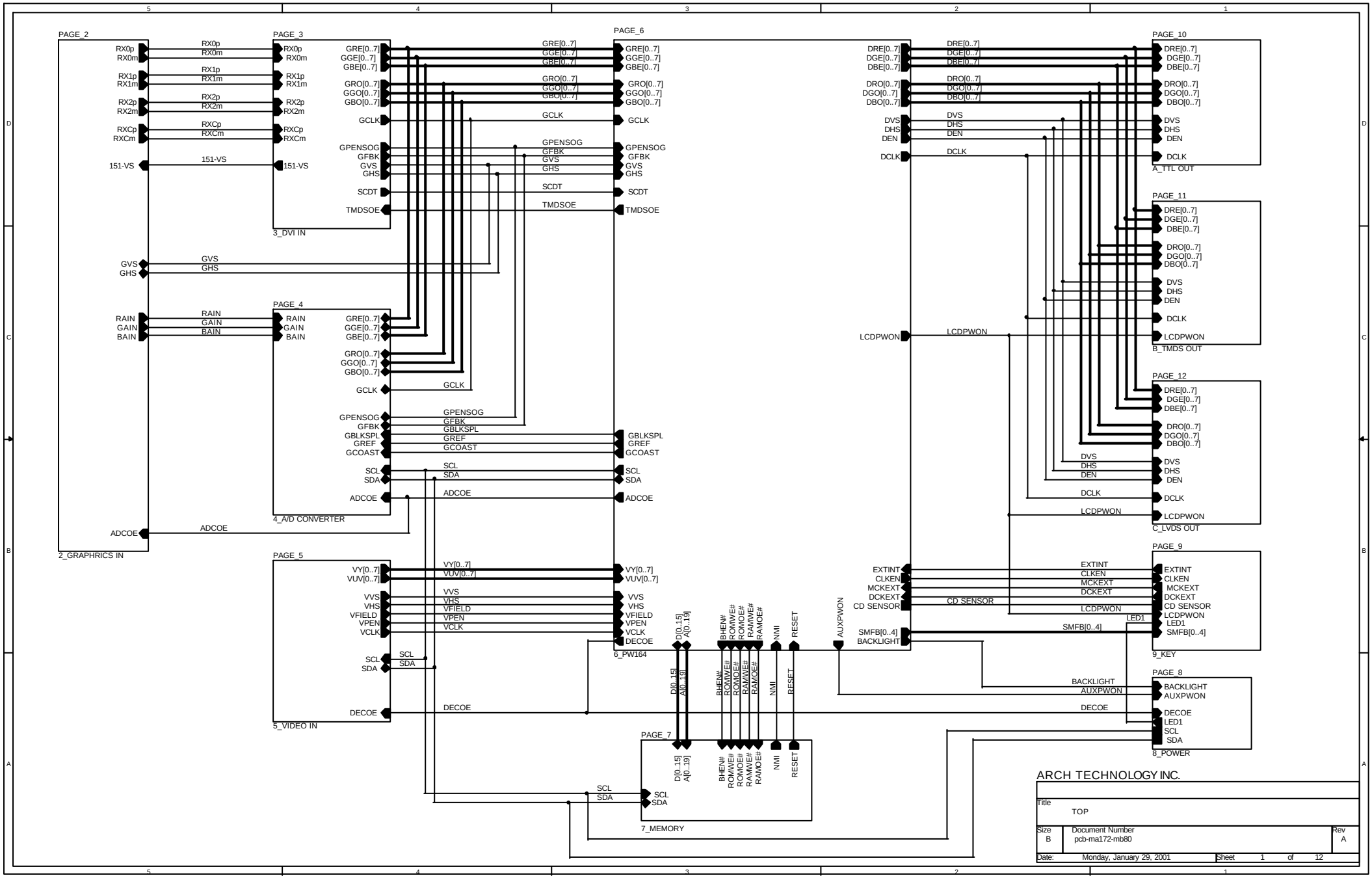

V33
L19
Bead-150
150V33
C266
C267
22uF/16V
22uF/16V
150V33
L20
Bead-150
150V33P2
C268
C269
C270
22uF/16V
100pF
100pF
150V33P1
L21
Bead-150
150V33
C271
C272
C273
100pF
100pF
22uF/16V
LCDVCC
C274
C275
C276
C277
C328
C329
C330
C331
0.1uF
pcb-mb70 modify
150V33
C278
C279
C280
C281
C282
C283
C284
C285
330pF
150V33
LCDVCC
LCDVCC
J13
TMDS Transefer
DBE[0..7]
DGE[0..7]
DRE[0..7]
DBO[0..7]
DGO[0..7]
DRO[0..7]
22x4 RP53
22x4 RP54
22x4 RP55
22x4 RP56
22x4 RP57
22x4 RP58
22x4 RP59
22x4 RP60
22x4 RP61
22x4 RP62
22x4 RP63
22x4 RP64
U27
SIL150
VCC1
VCC2
VCC3
VCC4
PGND1
PVCC1
PGND2
PVCC2
GND1
GND2
GND3
GND4
GND5
GND6
TXC-
TXC+
TX0-
TX0+
TX1-
TX1+
TX2-
TX2+
AVCC1
AVCC2
AVCC3
150V33A
AGND1
AGND2
AGND3
AGND4
VSYNC
HSYNC
DVS
DHS
CTL3
CTL2
CTL1
PIXS
EXT_SWING
PD
IDCK
DE
EDGE
LCDPWON
DCLK
DEN
RESERVED
R118
R119
R120
680
R121
R122
R123
10K (NC)
R124
10K
R125
10K
R126
10K (NC)
no used
no used
C290
C291
C292
C293
10pF
C286
C287
C288
C289
L22
Bead-150
C294
C295
C296
C297
C298
C299
0.1uF
100pF
Note: High for rising edge,
low for falling edge.
Note: High for two pixel,
low for one pixel.
ARCH TECHNOLOGY INC.
Title
TMDS Transmitters and Connecter
Size
B
Document Number
pcb-ma172-mb80
Rev
A
Date:
Saturday, November 11, 2000
Sheet
11
of
12



ARCH TECHNOLOGY INC.

Title	LVDS Transmitters and Connecter	
Size B	Document Number pcb-ma172-mb80	Rev A
Date: Wednesday, December 13, 2000	Sheet 12 of 12	


PAGE_2
RX0p
RX0m
RX1p
RX1m
RX2p
RX2m
RXCp
RXCm
151-VS
GVS
GHS
RAIN
GAIN
BAIN
ADCOE
2_GRAPHRICS IN
PAGE_3
GRE[0..7]
GGE[0..7]
GBE[0..7]
GRO[0..7]
GGO[0..7]
GBO[0..7]
GCLK
GPENSOG
GFBK
GVS
GHS
SCDT
TMDSOE
3_DVI IN
PAGE_4
GBLKSPL
GREF
GCOAST
SCL
SDA
ADCOE
4_A/D CONVERTER
PAGE_5
VY[0..7]
VUV[0..7]
VVS
VHS
VFIELD
VPEN
VCLK
DECOE
5_VIDEO IN
PAGE_6
6_PW164
PAGE_7
7_MEMORY
D[0..15]
A[0..19]
BHEN#
ROMWE#
ROMOE#
RAMWE#
RAMOE#
NMI
RESET
AUXPWON
PAGE_10
DRE[0..7]
DGE[0..7]
DBE[0..7]
DRO[0..7]
DGO[0..7]
DBO[0..7]
DVS
DHS
DEN
DCLK
A_TTL OUT
PAGE_11
LCDPWON
B_TMDS OUT
PAGE_12
C_LVDS OUT
PAGE_9
EXTINT
CLKEN
MCKEXT
DCKEXT
CD SENSOR
SMFB[0..4]
BACKLIGHT
LED1
9_KEY
PAGE_8
8_POWER
ARCH TECHNOLOGY INC.
Title
TOP
Size
B
Document Number
pcb-ma172-mb80
Rev
A
Date:
Monday, January 29, 2001
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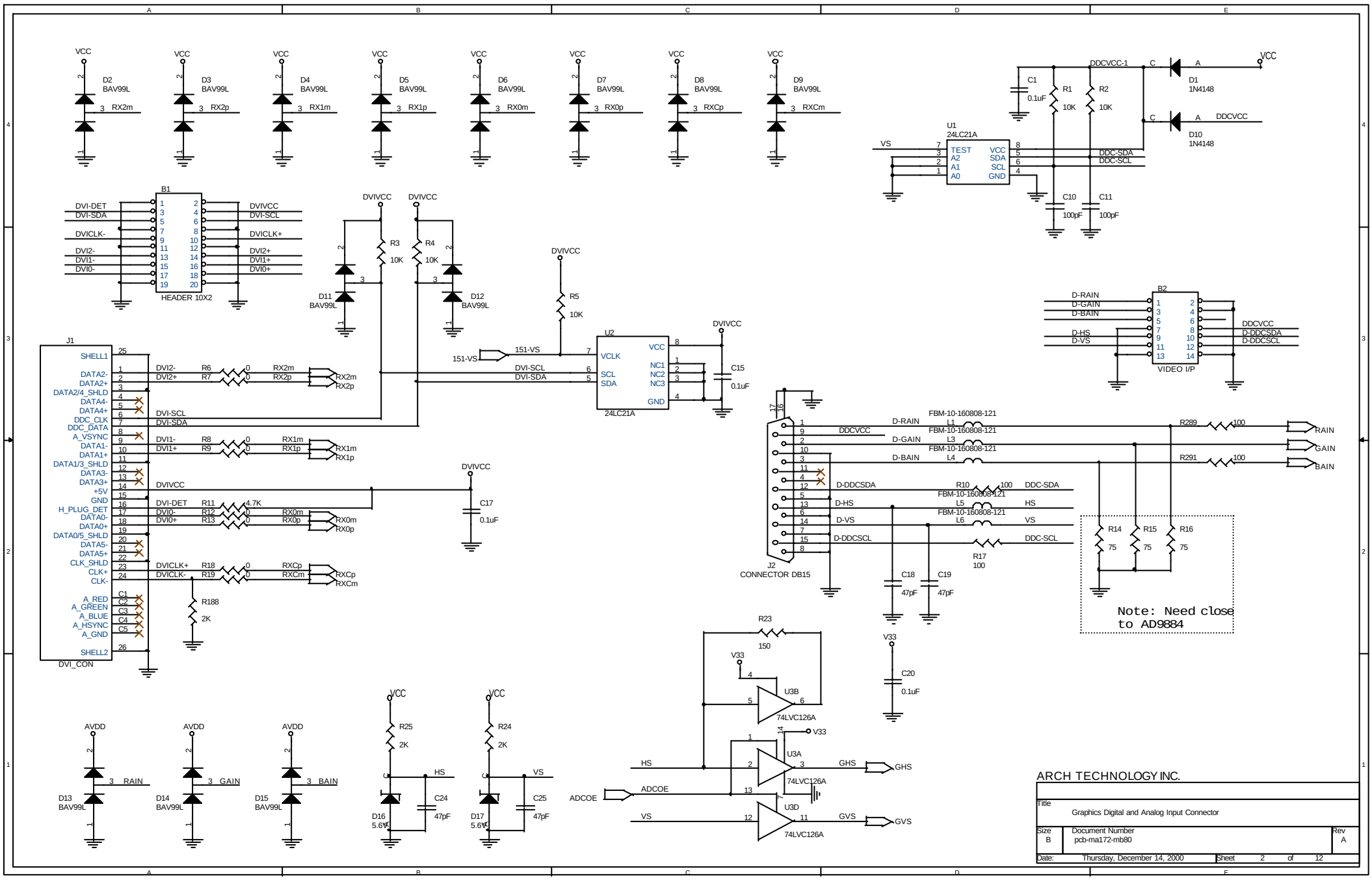
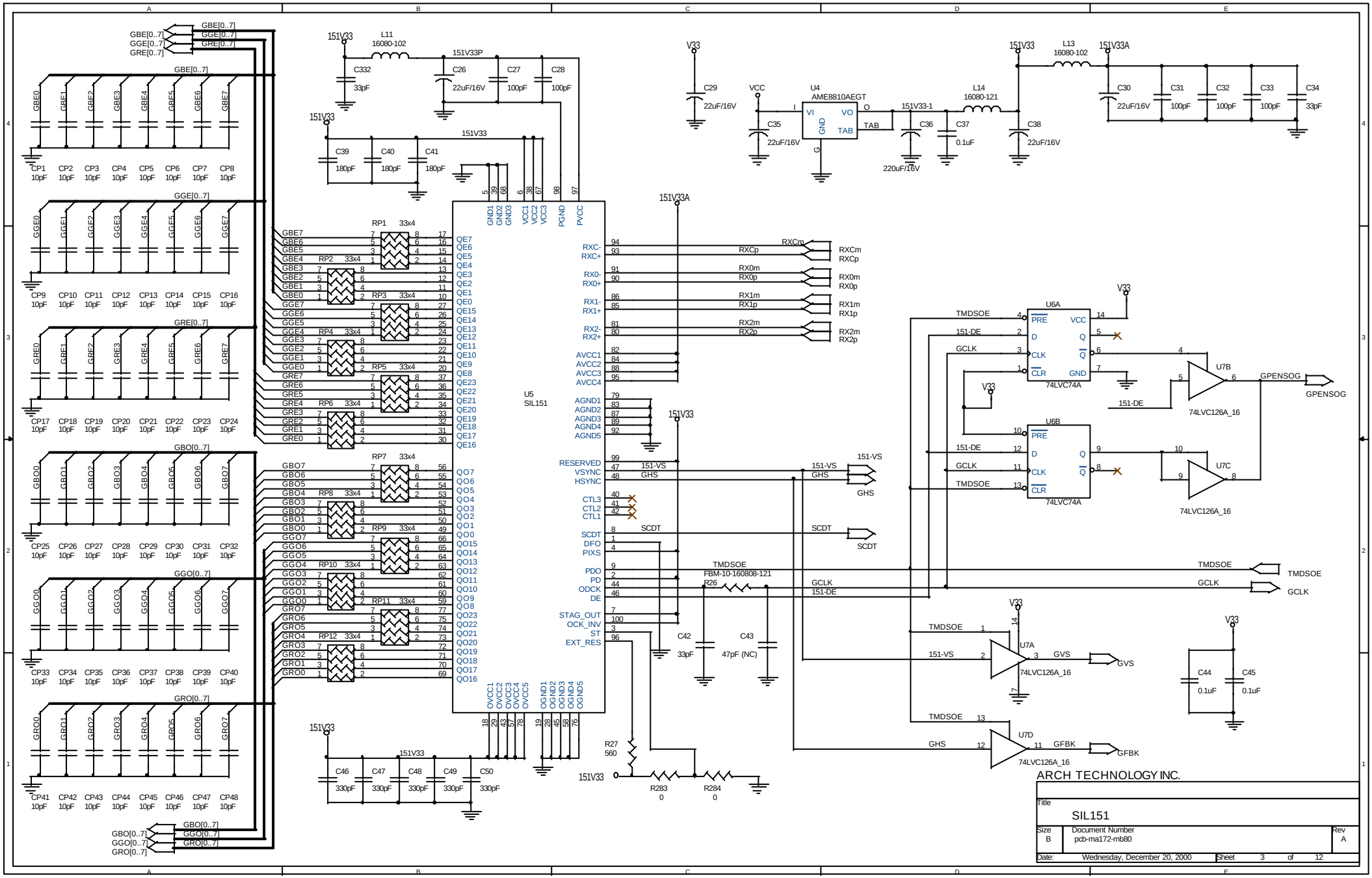
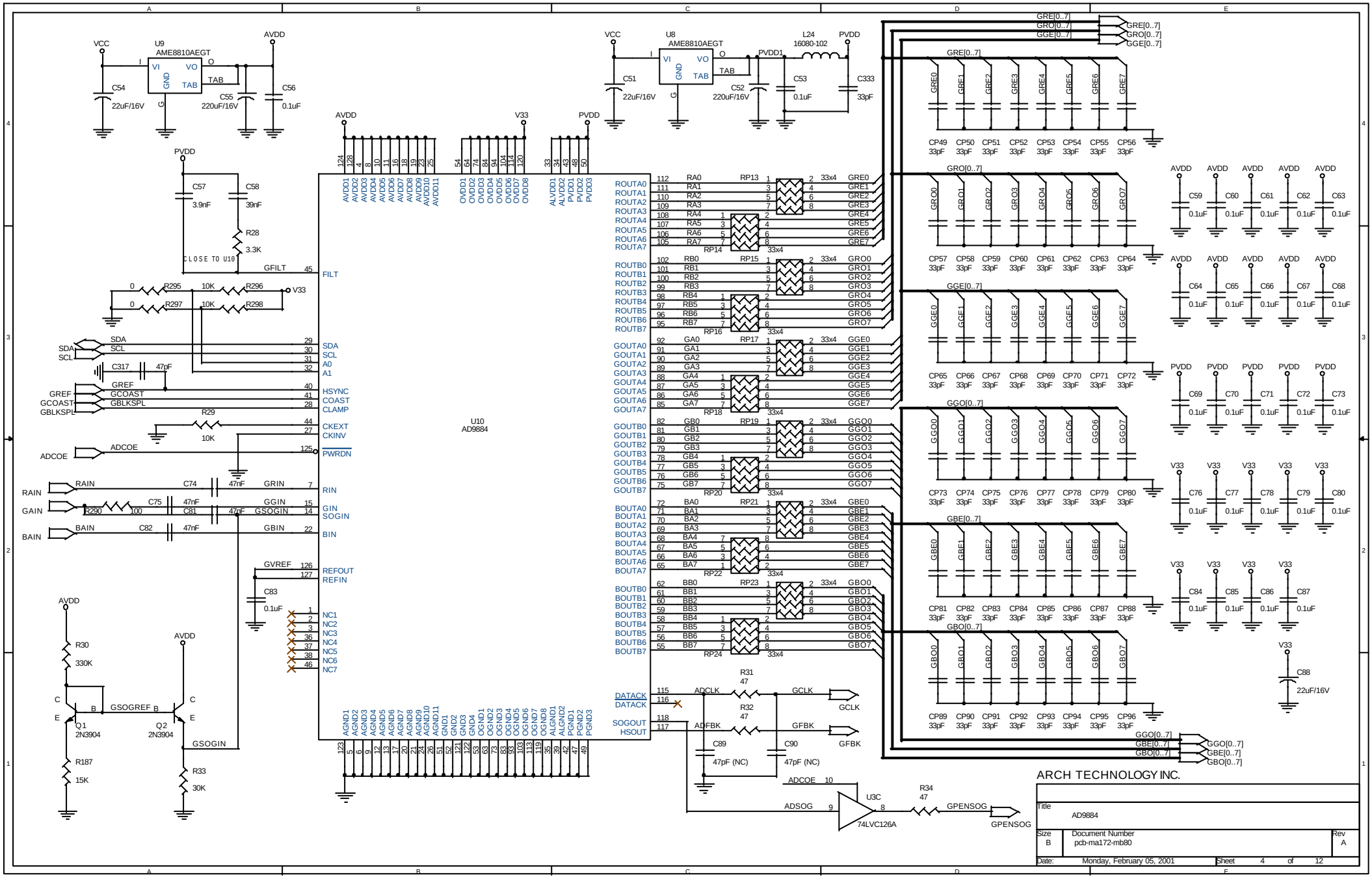
12



ARCH TECHNOLOGY INC.

Title	Graphics Digital and Analog Input Connector	
Size B	Document Number pcb-ma172-mb80	Rev A
Date: Thursday, December 14, 2000	Sheet 2 of 12	


U5
SIL151
U4
AME8810AEGT
U6A
U6B
U7A
U7B
U7C
U7D
74LVC74A
74LVC126A_16
L11
16080-102
L13
16080-102
L14
16080-121
151V33
151V33A
151V33P
151V33-1
V33
VCC
GBE[0..7]
GGE[0..7]
GRE[0..7]
GBO[0..7]
GGO[0..7]
GRO[0..7]
RXCm
RXCp
RX0m
RX0p
RX1m
RX1p
RX2m
RX2p
151-VS
GHS
SCDT
TMDSOE
GCLK
151-DE
GFBK
GVS
GPENSOG
ARCH TECHNOLOGY INC.
SIL151
Size B
Document Number pcb-ma172-mb80
Rev A
Date: Wednesday, December 20, 2000
Sheet 3 of 12


U9
AME8810AEGT
U8
AME8810AEGT
L24
16080-102
U10
AD9884
CLOSE TO U10
74LVC126A
ARCH TECHNOLOGY INC.
Title
AD9884
Size
B
Document Number
pcb-ma172-mb80
Rev
A
Date:
Monday, February 05, 2001
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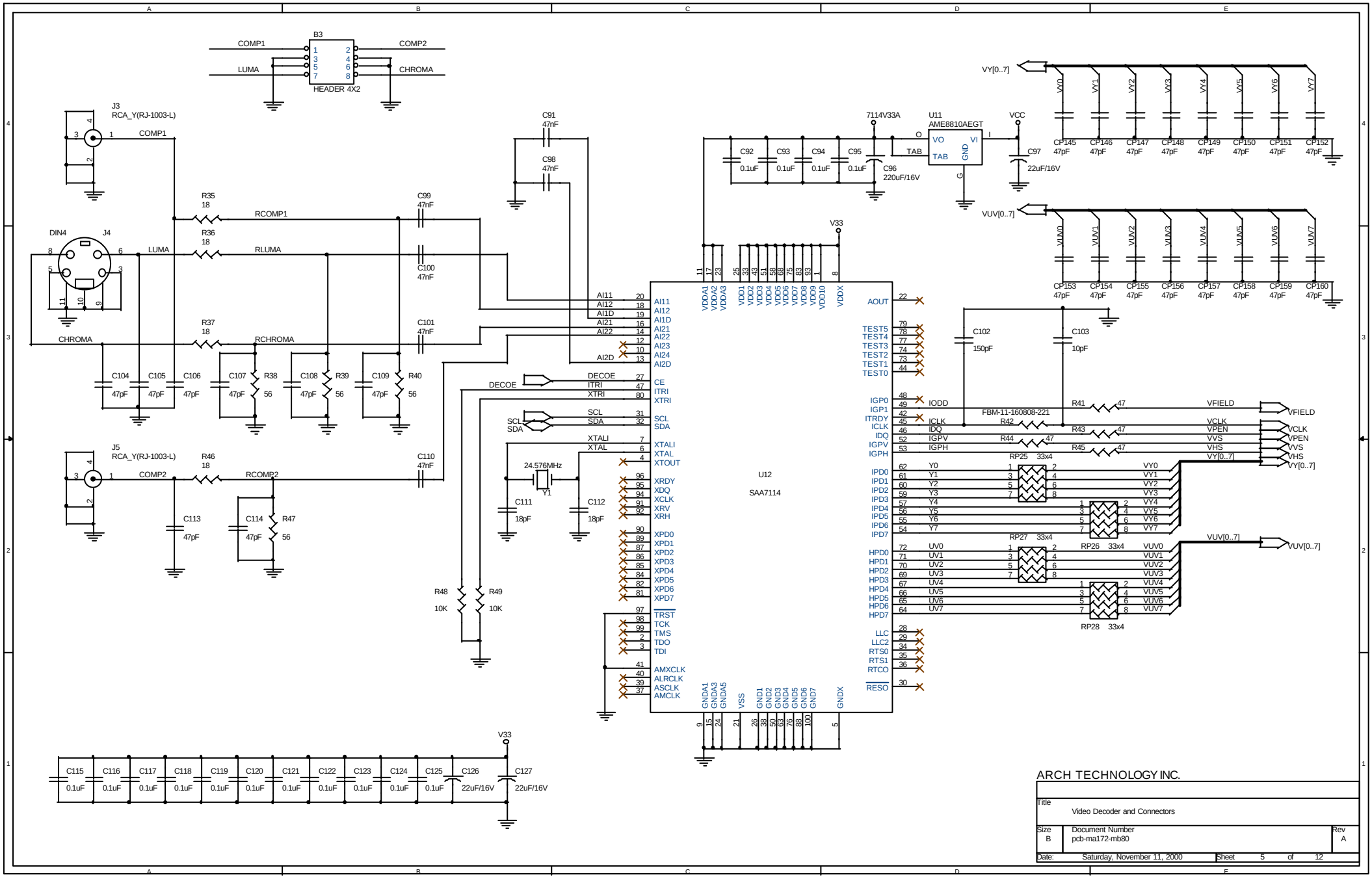
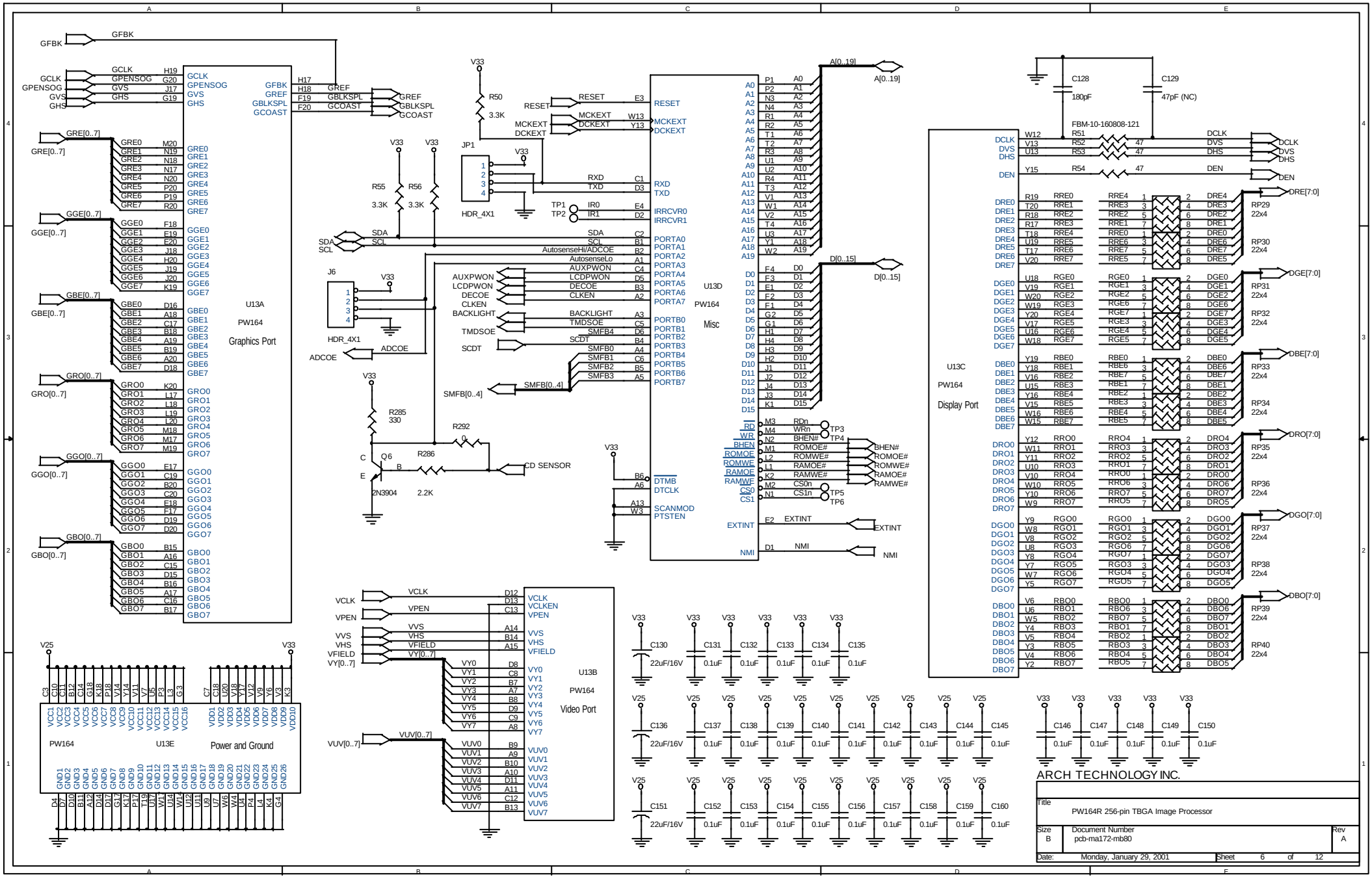
of
12



ARCH TECHNOLOGY INC.

Title	Video Decoder and Connectors	
Size B	Document Number pcb-ma172-mb80	Rev A
Date: Saturday, November 11, 2000	Sheet 5 of 12	


GFBK
GCLK
GPENSOG
GVS
GHS
GRE[0..7]
GGE[0..7]
GBE[0..7]
GRO[0..7]
GGO[0..7]
GBO[0..7]
U13A
PW164
Graphics Port
U13C
Display Port
U13D
Misc
U13B
Video Port
U13E
Power and Graphics
A[0..19]
D[0..15]
V33
V25
R50
3.3K
JP1
HDR_4X1
RESET
MCKEXT
DCKEXT
RXD
TXD
IR0
IR1
SDA
SCL
AUXPWON
LCDPWON
DECOE
CLKEN
BACKLIGHT
TMDSOE
SCDT
SMFB[0..4]
ADCOE
R285
330
R292
0
R286
Q6
2N3904
2.2K
CD SENSOR
DTMB
DTCLK
SCANMOD
PTSTEN
BHEN#
ROMOE#
ROMWE#
RAMOE#
RAMWE#
EXTINT
NMI
C128
180pF
C129
47pF (NC)
FBM-10-160808-121
DCLK
DVS
DHS
DEN
DRE[7:0]
DGE[7:0]
DBE[7:0]
DRO[7:0]
DGO[7:0]
DBO[7:0]
RP29
RP30
RP31
RP32
RP33
RP34
RP35
RP36
RP37
RP38
RP39
RP40
22x4
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
22uF/16V
0.1uF
ARCH TECHNOLOGY INC.
PW164R 256-pin TBGA Image Processor
Document Number
pcb-ma172-mb80
Rev
A
Size
B
Date:
Monday, January 29, 2001
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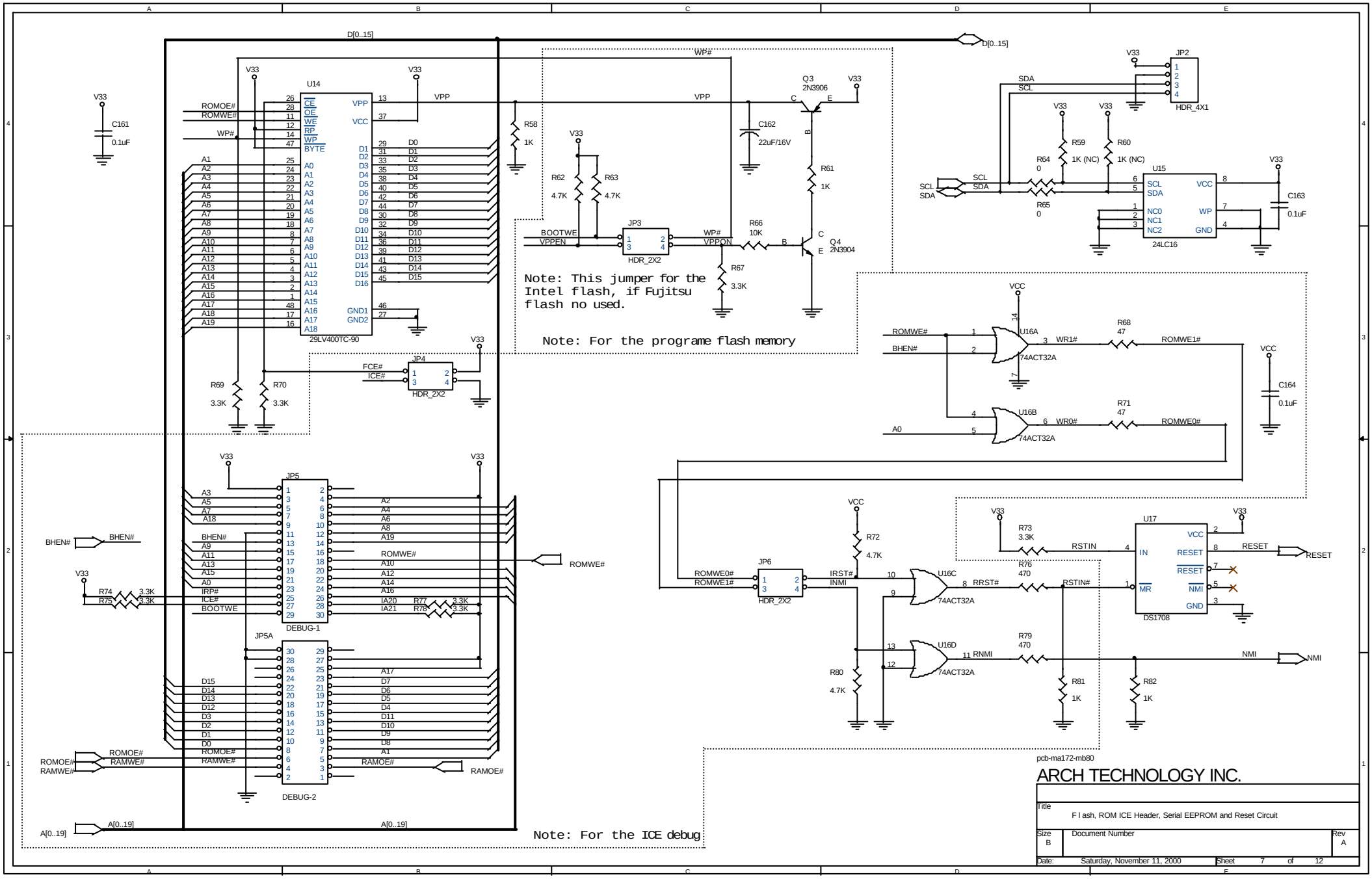
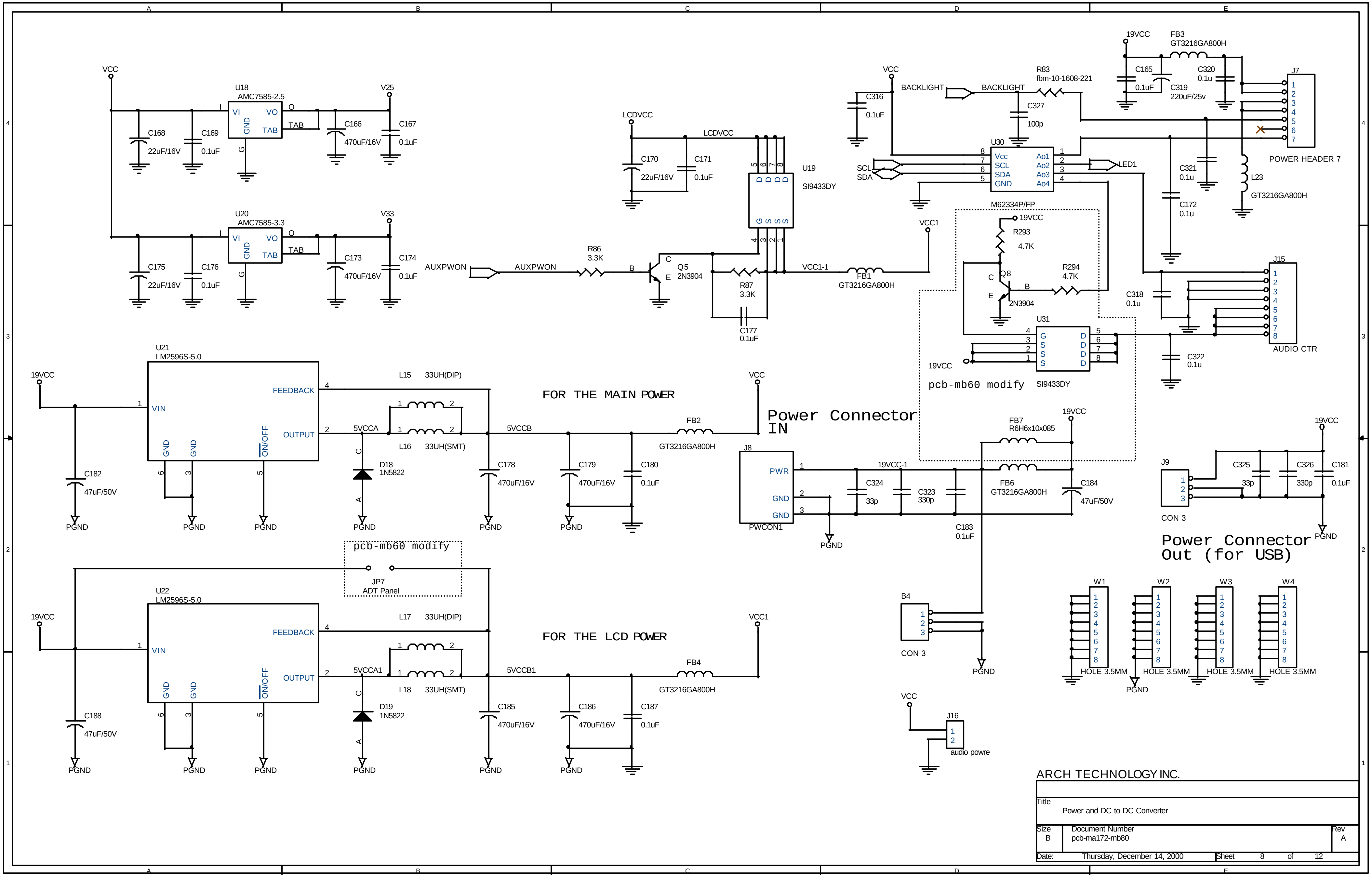
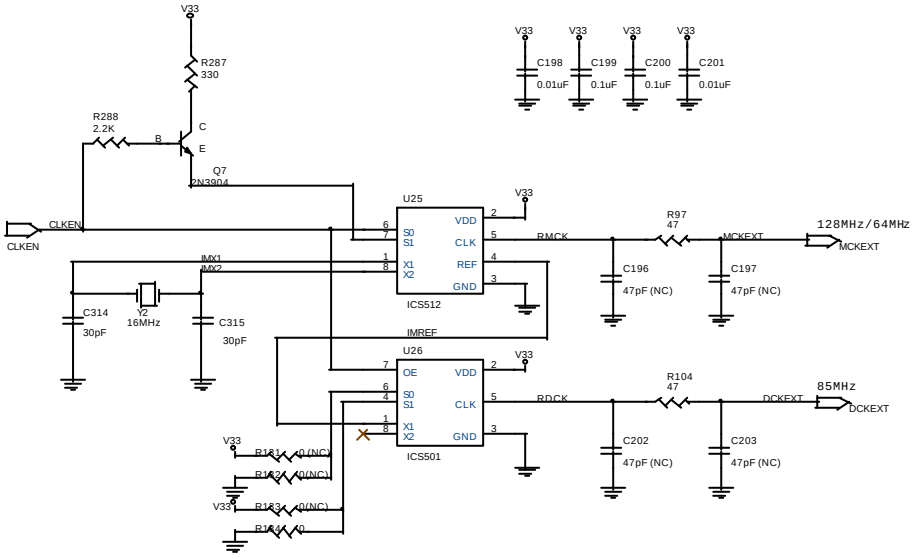
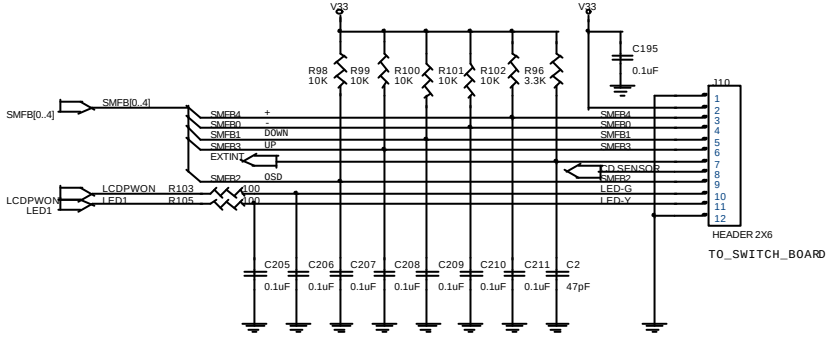

U14
29LV400TC-90
Note: This jumper for the Intel flash, if Fujitsu flash no used.
Note: For the programe flash memory
Note: For the ICE debug
JP1
JP2
JP3
JP4
JP5
JP5A
JP6
HDR_4X1
HDR_2X2
DEBUG-1
DEBUG-2
U15
24LC16
U16A
U16B
U16C
U16D
74ACT32A
U17
DS1708
Q3 2N3906
Q4 2N3904
pcb-ma172-mb80
ARCH TECHNOLOGY INC.
F l ash, ROM ICE Header, Serial EEPROM and Reset Circuit
Saturday, November 11, 2000
Sheet 7 of 12


VCC
U18
AMC7585-2.5
VI
VO
GND
TAB
V25
C168
22uF/16V
C169
0.1uF
C166
470uF/16V
C167
0.1uF
U20
AMC7585-3.3
V33
C175
22uF/16V
C176
0.1uF
C173
470uF/16V
C174
0.1uF
LCDVCC
C170
22uF/16V
C171
0.1uF
U19
SI9433DY
AUXPWON
R86
3.3K
Q5
2N3904
R87
3.3K
C177
0.1uF
VCC1-1
FB1
GT3216GA800H
VCC1
BACKLIGHT
C316
0.1uF
R83
fbm-10-1608-221
C327
100p
U30
Vcc
SCL
SDA
GND
Ao1
Ao2
Ao3
Ao4
LED1
M62334P/FP
19VCC
FB3
GT3216GA800H
C165
0.1uF
C319
220uF/25v
C320
0.1u
J7
POWER HEADER 7
C321
0.1u
L23
GT3216GA800H
C172
0.1u
R293
4.7K
Q8
2N3904
R294
4.7K
U31
SI9433DY
pcb-mb60 modify
C318
0.1u
J15
AUDIO CTR
C322
0.1u
U21
LM2596S-5.0
VIN
FEEDBACK
OUTPUT
ON/OFF
19VCC
C182
47uF/50V
PGND
L15
33UH(DIP)
L16
33UH(SMT)
5VCCA
5VCCB
D18
1N5822
C178
470uF/16V
C179
470uF/16V
C180
0.1uF
FOR THE MAIN POWER
FB2
GT3216GA800H
Power Connector IN
J8
PWR
PWCON1
19VCC-1
C324
33p
C323
330p
C183
0.1uF
FB7
R6H6x10x085
FB6
GT3216GA800H
C184
47uF/50V
J9
CON 3
C325
33p
C326
330p
C181
0.1uF
Power Connector Out (for USB)
pcb-mb60 modify
JP7
ADT Panel
U22
LM2596S-5.0
L17
33UH(DIP)
L18
33UH(SMT)
5VCCA1
5VCCB1
D19
1N5822
C188
47uF/50V
C185
470uF/16V
C186
470uF/16V
C187
0.1uF
FOR THE LCD POWER
FB4
GT3216GA800H
B4
CON 3
W1
W2
W3
W4
HOLE 3.5MM
J16
audio powre
ARCH TECHNOLOGY INC.
Title
Power and DC to DC Converter
Size
B
Document Number
pcb-ma172-mb80
Rev
A
Date:
Thursday, December 14, 2000
Sheet 8 of 12

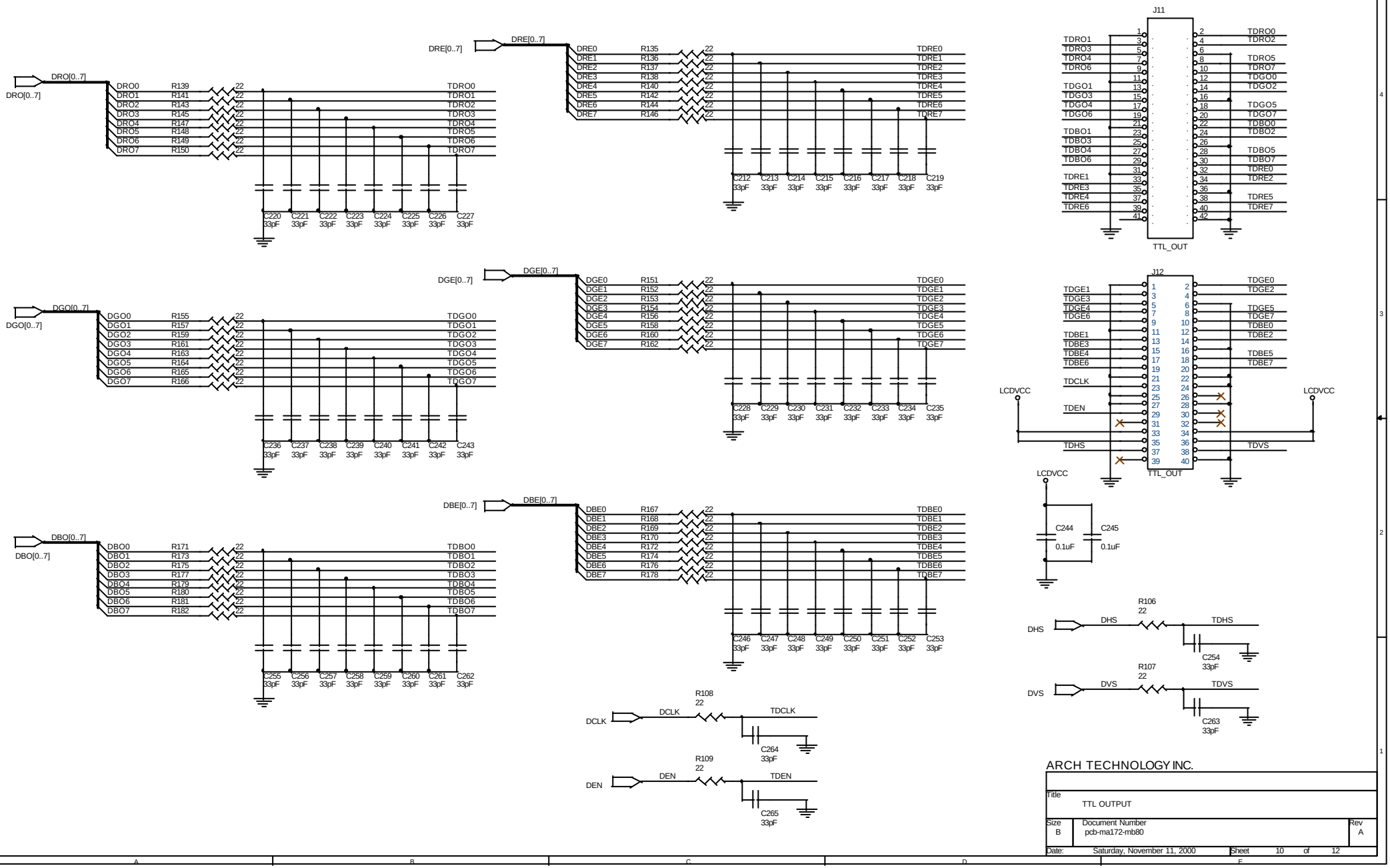


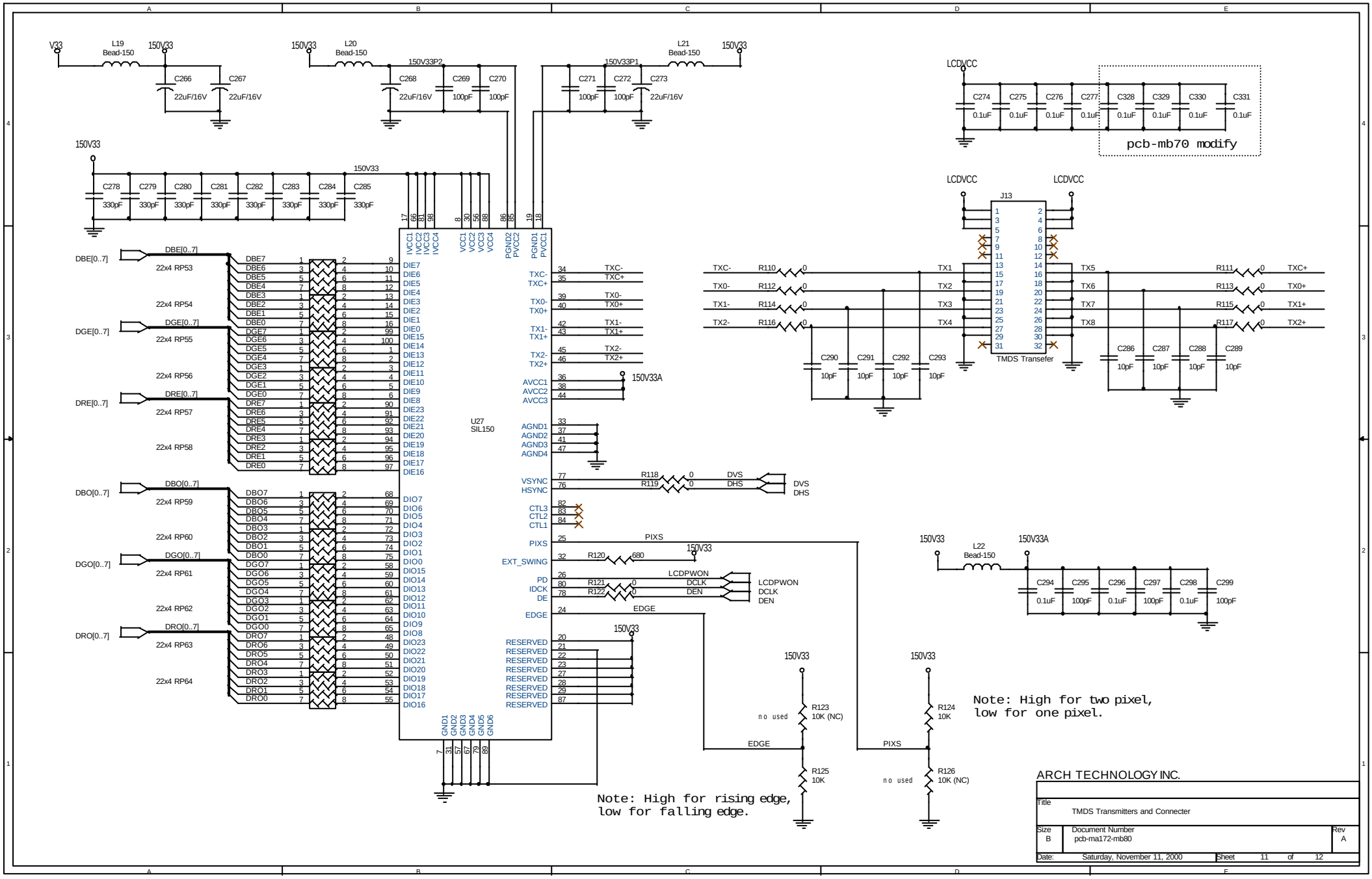


Note: (1) Mckext is 128MHz, set U25 S0,S1 = high, high. Dckext is 96MHz, set U26 S0,S1 = low,high. for the samsung LCD. (2) Mckext is 130MHz, set U25 S0,S1 = high, low. Dckext is 104MHz, set U26 S0,S1 = low,low. and change Y2 to 26MHz. for the Fujitsu LCD.

ARCH TECHNOLOGY INC.

Title: Key Pad and PLL		
Size: B	Document Number: pcb-ma172-mb80	Rev: A
Date: Monday, February 05, 2001	Sheet 9 of 12	


DRO[0..7]
DRO0 R139 22 TDRO0
DRO1 R141 22 TDRO1
DRO2 R143 22 TDRO2
DRO3 R145 22 TDRO3
DRO4 R147 22 TDRO4
DRO5 R148 22 TDRO5
DRO6 R149 22 TDRO6
DRO7 R150 22 TDRO7
C220 33pF C221 33pF C222 33pF C223 33pF C224 33pF C225 33pF C226 33pF C227 33pF
DRE[0..7]
DRE0 R135 22 TDRE0
DRE1 R136 22 TDRE1
DRE2 R137 22 TDRE2
DRE3 R138 22 TDRE3
DRE4 R140 22 TDRE4
DRE5 R142 22 TDRE5
DRE6 R144 22 TDRE6
DRE7 R146 22 TDRE7
C212 33pF C213 33pF C214 33pF C215 33pF C216 33pF C217 33pF C218 33pF C219 33pF
J11
TDRO1 TDRO3 TDRO4 TDRO6 TDGO1 TDGO3 TDGO4 TDGO6 TDBO1 TDBO3 TDBO4 TDBO6 TDRE1 TDRE3 TDRE4 TDRE6
TDRO0 TDRO2 TDRO5 TDRO7 TDGO0 TDGO2 TDGO5 TDGO7 TDBO0 TDBO2 TDBO5 TDBO7 TDRE0 TDRE2 TDRE5 TDRE7
TTL_OUT
DGO[0..7]
DGO0 R155 22 TDGO0
DGO1 R157 22 TDGO1
DGO2 R159 22 TDGO2
DGO3 R161 22 TDGO3
DGO4 R163 22 TDGO4
DGO5 R164 22 TDGO5
DGO6 R165 22 TDGO6
DGO7 R166 22 TDGO7
C236 33pF C237 33pF C238 33pF C239 33pF C240 33pF C241 33pF C242 33pF C243 33pF
DGE[0..7]
DGE0 R151 22 TDGE0
DGE1 R152 22 TDGE1
DGE2 R153 22 TDGE2
DGE3 R154 22 TDGE3
DGE4 R156 22 TDGE4
DGE5 R158 22 TDGE5
DGE6 R160 22 TDGE6
DGE7 R162 22 TDGE7
C228 33pF C229 33pF C230 33pF C231 33pF C232 33pF C233 33pF C234 33pF C235 33pF
J12
TDGE1 TDGE3 TDGE4 TDGE6 TDBE1 TDBE3 TDBE4 TDBE6 TDCLK TDEN TDHS
TDGE0 TDGE2 TDGE5 TDGE7 TDBE0 TDBE2 TDBE5 TDBE7 TDVS
LCDVCC
TTL_OUT
LCDVCC
C244 0.1uF
C245 0.1uF
DBO[0..7]
DBO0 R171 22 TDBO0
DBO1 R173 22 TDBO1
DBO2 R175 22 TDBO2
DBO3 R177 22 TDBO3
DBO4 R179 22 TDBO4
DBO5 R180 22 TDBO5
DBO6 R181 22 TDBO6
DBO7 R182 22 TDBO7
C255 33pF C256 33pF C257 33pF C258 33pF C259 33pF C260 33pF C261 33pF C262 33pF
DBE[0..7]
DBE0 R167 22 TDBE0
DBE1 R168 22 TDBE1
DBE2 R169 22 TDBE2
DBE3 R170 22 TDBE3
DBE4 R172 22 TDBE4
DBE5 R174 22 TDBE5
DBE6 R176 22 TDBE6
DBE7 R178 22 TDBE7
C246 33pF C247 33pF C248 33pF C249 33pF C250 33pF C251 33pF C252 33pF C253 33pF
DCLK R108 22 TDCLK C264 33pF
DEN R109 22 TDEN C265 33pF
DHS R106 22 TDHS C254 33pF
DVS R107 22 TDVS C263 33pF
ARCH TECHNOLOGY INC.
Title
TTL OUTPUT
Size B
Document Number pcb-ma172-mb80
Rev A
Date: Saturday, November 11, 2000
Sheet 10 of 12


V33
L19
Bead-150
150V33
C266
C267
22uF/16V
22uF/16V
150V33
L20
Bead-150
150V33P2
C268
C269
C270
22uF/16V
100pF
100pF
150V33P1
L21
Bead-150
150V33
C271
C272
C273
100pF
100pF
22uF/16V
LCDVCC
C274
C275
C276
C277
C328
C329
C330
C331
0.1uF
pcb-mb70 modify
150V33
C278
C279
C280
C281
C282
C283
C284
C285
330pF
150V33
LCDVCC
LCDVCC
J13
TMDS Transefer
DBE[0..7]
DGE[0..7]
DRE[0..7]
DBO[0..7]
DGO[0..7]
DRO[0..7]
22x4 RP53
22x4 RP54
22x4 RP55
22x4 RP56
22x4 RP57
22x4 RP58
22x4 RP59
22x4 RP60
22x4 RP61
22x4 RP62
22x4 RP63
22x4 RP64
U27
SIL150
VCC1
VCC2
VCC3
VCC4
PGND1
PVCC1
PGND2
PVCC2
GND1
GND2
GND3
GND4
GND5
GND6
TXC-
TXC+
TX0-
TX0+
TX1-
TX1+
TX2-
TX2+
AVCC1
AVCC2
AVCC3
150V33A
AGND1
AGND2
AGND3
AGND4
VSYNC
HSYNC
DVS
DHS
CTL3
CTL2
CTL1
PIXS
EXT_SWING
PD
IDCK
DE
EDGE
LCDPWON
DCLK
DEN
RESERVED
R118
R119
R120
680
R121
R122
R123
10K (NC)
R124
10K
R125
10K
R126
10K (NC)
no used
no used
C290
C291
C292
C293
10pF
C286
C287
C288
C289
L22
Bead-150
C294
C295
C296
C297
C298
C299
0.1uF
100pF
Note: High for rising edge,
low for falling edge.
Note: High for two pixel,
low for one pixel.
ARCH TECHNOLOGY INC.
Title
TMDS Transmitters and Connecter
Size
B
Document Number
pcb-ma172-mb80
Rev
A
Date:
Saturday, November 11, 2000
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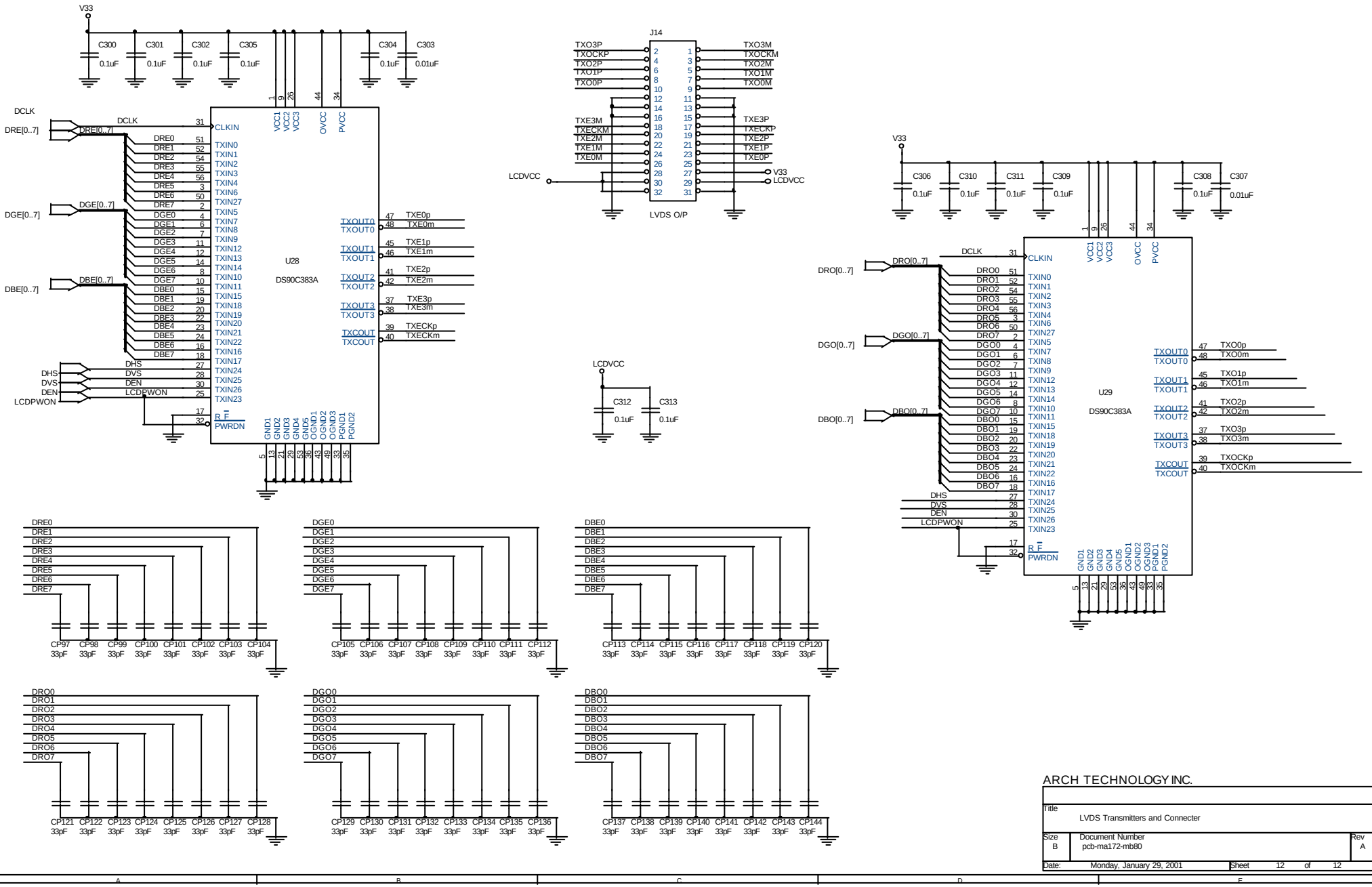
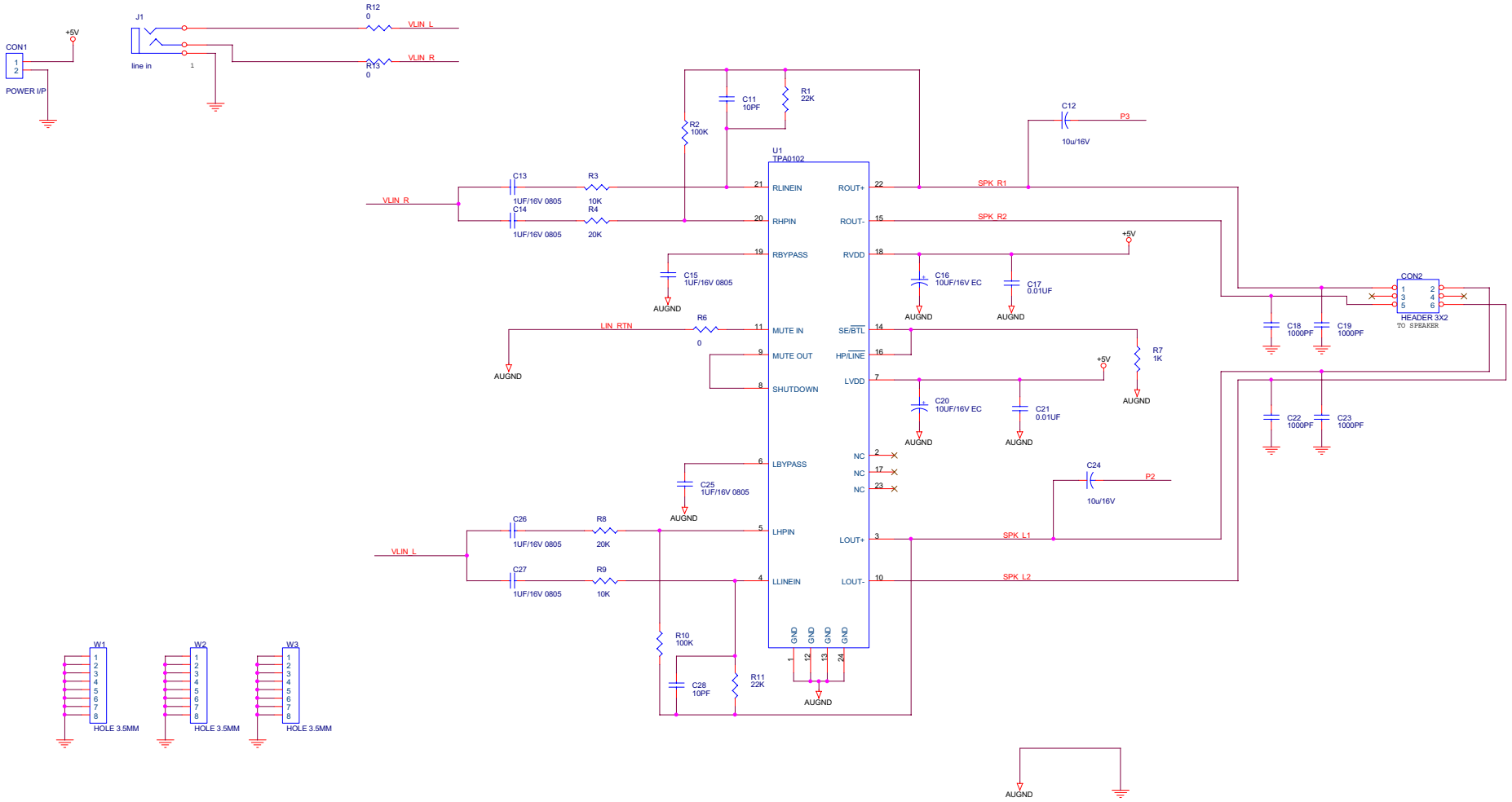


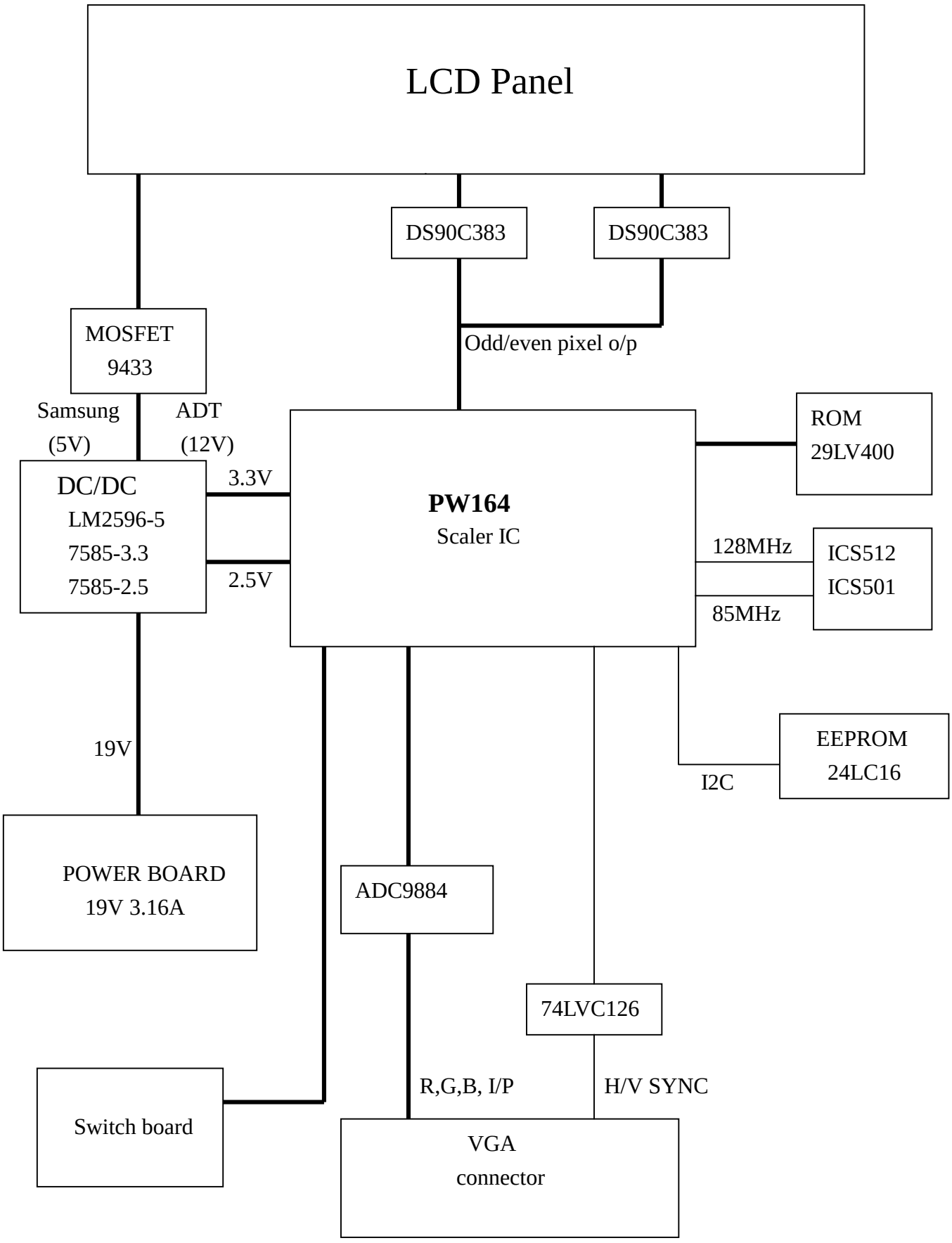
ARCH TECHNOLOGY INC.

Title	LVDS Transmitters and Connecter	
Size B	Document Number pcb-ma172-mb80	Rev A
Date: Monday, January 29, 2001	Sheet 12 of 12	

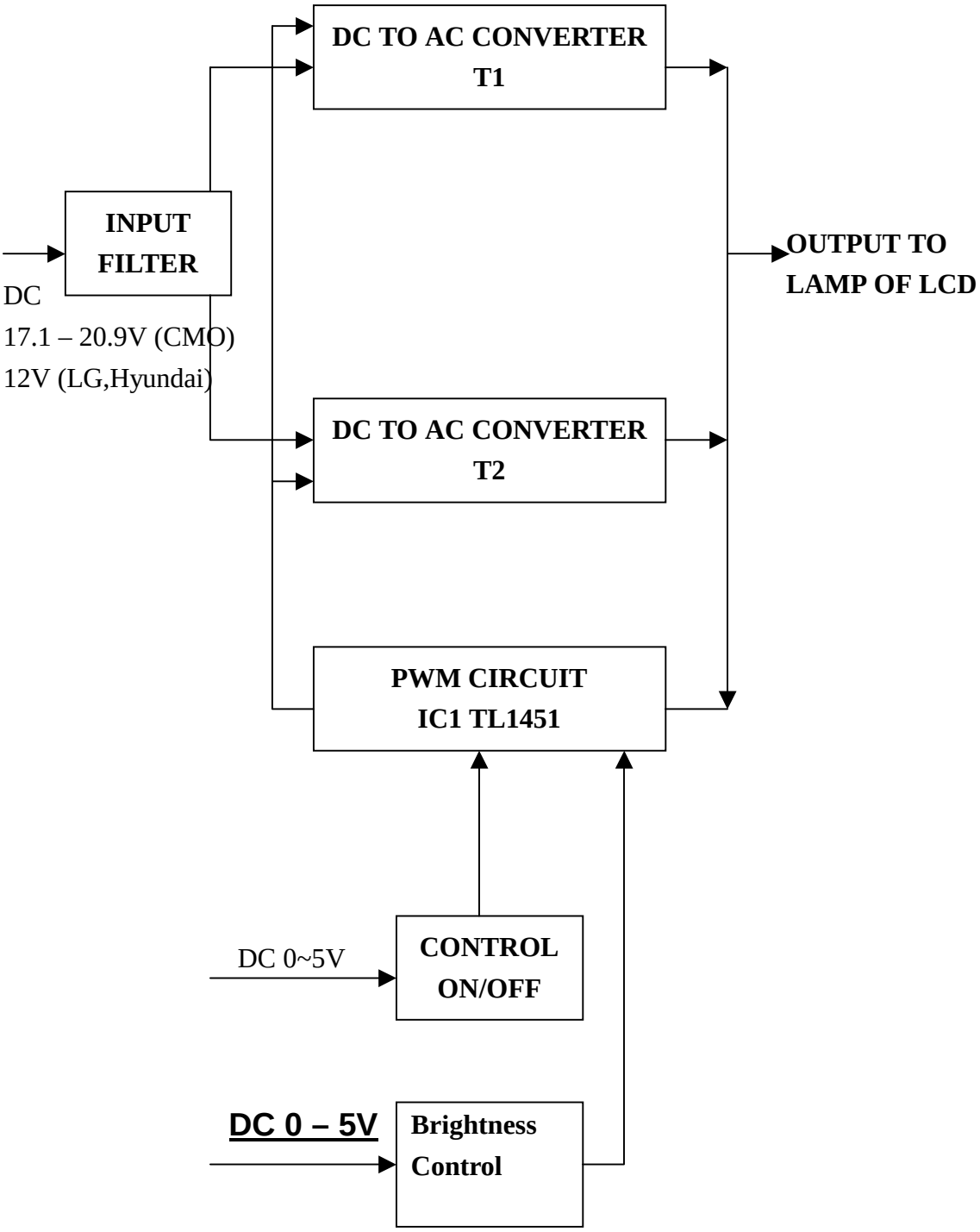


PRO ARCH TECHNOLOGY INC.		
Size C	Document Number PCB-1851H-SB10--------V318.DSN	Rev 0.1
Date: Friday, November 17, 2000	Sheet 1 of 1	

Block Diagram



INVERTER CIRCUIT



VERSION : V0.4/V0.2

MODEL NAME : AT181H1-AA/AT181H1-AA-V7

ISSUE DATE : 12/26/2000

AT181H1-AA/AT181H1-AA-V7
BOM STRUCTURE

ARCH TECH

PRO ARCH TECHNOLOGY INC.

MA-1810GH-O3 JAPAN
MD-1810GH-B4 GERMAN
SHIPPING ASS'Y

HYUNDAI 18.1" PANEL
W/ANALOG+AUDIO

CA2-A1810GH-O3
CA2-D1810GH-B4
MAIN ASS'Y

AT181H1X

AT181H1X SERIES 共用

-1001 AT181H1-AA
-1002 AT181H1-AA-V7

CA3-AT181-100X
LCD BEZEL ASS'Y

CA3-AT181-2001
LCD SUPPORT ASS'Y

CA3-AT181-3001
LCD STAND ASS'Y

AT181H1X SERIES 共用

PMF-MA172-0807
PCB, M/B,V80
FINAL ASS'Y

PAF-AT181-0201
PCB, A/B,V20
FINAL ASS'Y

PMS-MA172-0807
PCB, M/B,V80
SMT ASS'Y

PAS-AT181-0201
PCB, A/B,V20
SMT ASS'Y

光威 文件管制中心 90.4.10 管制性文件 發行章

光威 文件管制中心 89.12.26 管制性文件 發行章

核 准:
製表者:
文管中心-管制文件

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 MD-1810GH-B4 TO MD-1810GH-B4 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
MD-1810GH-B4	ASS'Y SHIPPING,LM,HYUNDAI 18.1",ANALOG+AUDIO,V7,GERMAN,AT181H1-AA-V7	ST
M P V0.3		

LEVEL	ITEM	COM SUB PART NO	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	M POSITION
.1	0001	ADT-A048V-1204 U	ADAPTER,AC/DC,12V,50W,ADP-50XB,2.5,DELTA,AT170A1-AA	PS		1.0000000	S	B
		*ADT-A048V-1205 U	ADAPTER,AC/DC,12V,48W,SA60-12V,2.5,SINO AMERICAN,A					
.1	0002	BAG-18026-0030	BAG,MANUAL+WARRANTY CARD,W180*L260*t0.03mm,M151A1	PS		1.0000000	P S	B
.1	0003	BAG-48065-0350	BAG W680*H750*t0.03mm,PRINTING(ENG/JAP/GER/FRA/ITA/SPA)	PS		1.0000000	P S	B
.1	0004	CA2-D1810GH-B4	ASS'Y MAIN,LM,HYUNDAI 18.1",ANALOG+AUDIO,V7,AT181H1-AA-V7	ST		1.0000000	P	M
.1	0005	CAB-MA171-VGA1	CABLE,VGA,180cm,IBM LIGHT GRAY II,15P-15P,	PS		1.0000000	S	B

				AT17X SERIES						
.1	0006	CNR-MA172-0001		ASS'Y CONTAINER SHIPMENT,AT17X SERIES	ST	1.0000000	P	P	M	
.1	0007	CUS-AT181-L010		CUSHION,EPE,L,AT181H1-AA SERIES	PS	1.0000000		S	B	
.1	0008	CUS-AT181-R010		CUSHION,EPE,R,AT181H1-AA SERIES	PS	1.0000000		S	B	
.1	0009	DSK-AT181-1010		DISK,DRIVER,INF FILE,V7.0,181HY1-V7/AT181H1-V7/AT181H1W-V7	PS	1.0000000	P	S	B	
.1	0010	LAB-AT181-F020	U	LABEL,FCC,V7,AT181H1-AA-V7	PS	1.0000000		S	B	
.1	0011	MAU-AT181-1150	U	MANUAL,USER GUIDE,(ENG/FRA/GER/ITA/SPA),V7,AT181H1-AA-V7	PS	1.0000000		S	B	
.1	0012	PAK-AT181-1110	U	CARTON,KRAFT,V7,AT181H1-AA-V7/AT181L1-AA-V7	PS	1.0000000		S	B	
.1	0013	PWC-AT181-EU01	U	CORD POWER,(BIG)3P-3P,180cm,BLACK,EUROPE,AT181H1-AA-V7	PS	1.0000000		S	B	

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 CA2-D1810GH-B4 TO CA2-D1810GH-B4 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
- - -------		
CA2-D1810GH-B4	ASS'Y MAIN,LM,HYUNDAI 18.1",ANALOG+AUDIO,V7,AT181H1-AA-V7	ST
M P V0.3		

LEVEL	ITEM	COM SUB PART NO	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	M POSITION
.1	0001	CA3-AT181-1002	ASS'Y BEZEL LCD,V7,F89017M9,AT181H1-AA-V7		ST	1.0000000	P	M
.1	0002	CA3-AT181-2001	ASS'Y SUPPORT LCD,W/O LOGO,PW164,AT181H1-AA		ST	1.0000000	P	M
.1	0003	CA3-AT181-3001	ASS'Y STAND LCD,F89017M9,AT181H1-AA/AT181H1-AA-V7/AT181L1-AA-V7		ST	1.0000000	P	M

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 CA3-AT181-3001 TO CA3-AT181-3001 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
CA3-AT181-3001	ASS'Y STAND LCD,F89017M9,AT181H1-AA/AT181H1-AA-V7/AT181L1-AA-V7	ST
M P V0.5		

LEVEL	ITEM	COM SUB PART NO	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	M POSITION
.1	0001	BRA-AT181-3010 U	METAL,STAND,BRACKET,F89017M9/PA-758,AT181H1-AA		PS	1.0000000	S B	
.1	0002	RUB-IY151-1503	RUBBER FOOT,D15*3.0	加金	PS	6.0000000	S B	
.1	0003	SR0-40114-0080	SCREW-MM-TRU-NI-4*8		PS	5.0000000	P S B	STAND BRK

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 CA3-AT181-1002 TO CA3-AT181-1002 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
CA3-AT181-1002	ASS'Y BEZEL LCD,V7,F89017M9,AT181H1-AA-V7	ST
M P V0.3		

LEVEL	ITEM	COM SUB	PART NO	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	POSITION
.1	0001	ABS-1F890-17M9	U	ABS,CHI LIN,F89017M9,PA-758,AT181H1/AT181L 1 SERIES		PS	1.0000000	S B	
.1	0002	ALT-04005-0050	U	TAPE AL,EMI,W40*L50*t0.05mm		PS	11.0000000	S B	
.1	0003	BRA-AT181-1010		METAL,LCD,MAIN BRACKET,F89017M9/PA-758,AT181H1-AA		PS	1.0000000	S B	
.1	0004	BRA-AT181-1020	U	METAL,LCD,HOLDER,EMI,AT181H1-AA		PS	1.0000000	S B	
.1	0005	BRA-AT181-1040		METAL,LCD,BRACKET,INVERTER,AT181H1-AA		PS	1.0000000	S B	
.1	0006	BTN-AT181-3301	U	BUTTON,MEMBRANE CONTROL SWITCHES,AT181H1-AA		PS	1.0000000	S B	
.1	0007	COV-AT181-1020	U	PLASTIC,LCD,FRONT BEZEL,F89017M9/PA-758,V7		PS	1.0000000	S B	

				,AT181H1-AA-V7					
.1	0008	COV-AT181-2010	U	PLASTIC,SUPPORT,O-RING,F89017M9/PA-758,AT181H1-AA/AT181L1-AA	PS	1.0000000	S	B	
.1	0009	GAS-01005-0010		GASKET EMI,W10*L50*H10mm,AT170S2/SA/AT174F1/FA	PS	1.0000000	S	B	
.1	0010	GS1-151AD-1006		GASKET EMI,W10*L50*H6mm,151A	PS	2.0000000	S	B	
.1	0011	HIN-AT181-2010		METAL,SUPPORT,HINGE,AT181H1	PS	1.0000000	S	B	
.1	0012	IVH-18E22-0401	U	INVERTER,RI-0416-01,HT18E22,HYUNDAI 18.1",REXON,AT181H1 SERIES	PS	1.0000000	S	B	
		*IVH-18E22-0402	U	INVERTER,INV18-405,HT18E22,HYUNDAI 18.1",SPI,AT181					
.1	0013	LCD-HT18E22-41	U	PANEL LCD,HT18E22-100,HYUNDAI 18.1",AT181H1 SERIES	PS	1.0000000	S	B	
.1	0014	MLI-AT181-1010	U	MYLAR,INVERTER,AT181H1-AA	PS	1.0000000	S	B	
.1	0015	RUB-AT181-6010		RUBBER,SUPPORT,F89017M9/PA-758,AT181H1-AA	PS	1.0000000	S	B	
.1	0016	SPR-AT181-3010		SPRING,GOLDEN FINGER,AT181H1	PS	12.0000000 P	S	B	
.1	0017	SPR-AT181-6010		SPRING,EMI,FIX CABLE,AT181H1	PS	1.0000000	S	B	
.1	0018	SR0-00153-0060	U	SCREW-MM-PAN-ZNC-3*6	PS	11.0000000 P	S	B	HING
*6,SPRING EMI FIX CABLE*3,									
									INVE
RTER*2									
.1	0019	SR0-00500-0010	U	SCREW-MM-STUD-4*(13.9+8.3),AT181H1 SERIES	PS	4.0000000	S	B	HOLD
ER EMI									
.1	0020	SR0-10124-0080	U	SCREW-MM-FLT-BK-4*8	PS	4.0000000	S	B	MAIN
BRACKET									
.1	0021	SR1-00112-0050	U	SCREW-TB-PAN-NI-2*5	PS	2.0000000	S	B	INVE
RTER BKT									
.1	0022	SR1-10123-0120	U	SCREW-TB-FLT-BK-3*12	PS	3.0000000	S	B	LCD
PNL									
.1	0023	SR3-40153-0040	U	SCREW-TP-TRU-ZNC-3*4	PS	8.0000000	S	B	O-RI
NG									
.1	0024	TAP-M17A1-0010	U	TAPE,EMI,CONDUCTIVE,W50*L80*t0.05mm	PS	2.0000000	S	B	

.1	0025	WIL-AT181-BM01	U	WIRE-ASS'Y,M/B-BTN(MEMBRANCE CTL),AT181H1-AA		PS	1.0000000	S B
.1	0026	WIL-AT181-IV01		WIRE-ASS'Y,M/B-INVERTER,AT181H1-AA		PS	1.0000000	S B
.1	0027	WIL-AT181-LC01	U	WIRE-ASS'Y,M/B-LCD,8P-8P,420mm,AT181H1-AA/AT181H1-AA-V7		PS	1.0000000	S B
.1	0028	WIL-AT181-LC11		WIRE-ASS'Y,M/B-LCD,32P-(20P+20P),230mm,AT181H1-AA/AT181H1-AA-V7		PS	1.0000000	S B

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 CA3-AT181-2001 TO CA3-AT181-2001 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
CA3-AT181-2001	ASS'Y SUPPORT LCD,W/O LOGO,PW164,AT181H1-AA	ST
M P V0.5		

LEVEL	ITEM	COM SUB PART NO	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	POSITION
.1	0001	BRA-AT181-1030	U METAL,LCD,EMI COVER,AT181H1-AA		PS	1.0000000	S B	
.1	0002	BRA-AT181-2010	U METAL,SUPPORT,FRONT BRACKET,F89017M9/PA-758,AT181H1-AA		PS	1.0000000	S B	
.1	0003	COV-AT181-2010	U PLASTIC,SUPPORT,O-RING,F89017M9/PA-758,AT181H1-AA/AT181L1-AA		PS	1.0000000	S B	
.1	0004	COV-AT181-3010	PLASTIC,SUPPORT,REAR COVER,W/O LOGO,F89017M9,AT181H1-AA		PS	1.0000000	S B	
.1	0005	COV-AT181-3020	PLASTIC,SUPPORT,REAR BEZEL,F89017M9,AT181H1-AA-V7/AT181L1-AA-V7		PS	1.0000000	S B	
.1	0006	PAF-AT181-0201	ASS'Y PCB FINAL,A/B,V20,AT181H1 SERIES		ST	1.0000000	P B	

.1	0007	PMF-MA172-0907		ASS'Y PCB FINAL,M/B,V90,AT181H1-AA (KING KUNG)	ST	1.0000000	P	B		
.1	0008	SPK-AT181-1010	U	SPEAKER,FG-40N020H8,8 OHM,d40*20,1W,FORTUNE GRAND,AT181H1	PS	1.0000000		S	B	
.1	0009	SR0-00153-0040	U	SCREW-MM-PAN-ZNC-3*4	PS	11.0000000	P	S	B	EMI COVER*9,FIXED WIRE CLIP*2
.1	0010	SR0-00153-0060	U	SCREW-MM-PAN-ZNC-3*6	PS	14.0000000	P	S	B	SUPPORT FRONT BRACKET*6, M/B*4,REAR COVER DOWN/TOP*4
.1	0011	SR1-00122-0070	U	SCREW-TB-PAN-BK-2*7	PS	4.0000000		S	B	SPEAKER
.1	0012	SR1-00153-0080		SCREW-TB-PAN-ZNC-3*8	PS	3.0000000		S	B	AUDIO BOARD
.1	0013	SR3-40153-0040	U	SCREW-TP-TRU-ZNC-3*4	PS	8.0000000		S	B	O-RING
.1	0014	WIL-AT181-MA01		WIRE-ASS'Y,M/B-A/B,AT181H1-AA	PS	1.0000000		S	B	

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 PAF-AT181-0201 TO PAF-AT181-0201 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
- - -------		
PAF-AT181-0201	ASS'Y PCB FINAL,A/B,V20,AT181H1 SERIES	ST
B P V0.5		

LEVEL	ITEM	SUB	COM PART NO	M	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	POSITION
.1	0001	CAP-10U00-3FA3			CAP,10uF,+/-20%,DIP 180。 5*11,EC,16V,LEG= 3-3.5mm		PS	2.0000000	P S B	C16, C20
.1	0002	CNN-P002W-2201			CNN,2002P0200T,2.0,DIP 180。,1 ROW		PS	1.0000000	S B	CON1
.1	0003	CNN-P003H-0203			CNN,MOJ-B56,AUDIO JACK,3PIN,DIP 180。		PS	1.0000000	S B	J1
.1	0004	CNN-P006W-3202		U	CNN,HEADER,6PIN,2.54,DIP 90°,2 ROW,6P-N4, LANDWIN		PS	1.0000000	P S B	CON2
.1	0005	FLU-11111-0010	*		FLUX,20 CM3,ALL MODEL		CC	1.1890000	P S B	
.1	0006	PAS-AT181-0201			ASS'Y PCB SMT,A/B,V20,AT181H1 SERIES		ST	1.0000000	P P B	

		*				
.1	0007	SOL-11111-0010	SOLDER,BAR,ALL MODEL	G	0.5630000	P S B
		*				

附註: 無重覆之插件位置.

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 PAS-AT181-0201 TO PAS-AT181-0201 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
- - -------		
PAS-AT181-0201	ASS'Y PCB SMT,A/B,V20,AT181H1 SERIES	ST
B P V0.5A		

LEVEL	ITEM	COM SUB PART NO	DESCRIPTION	VENDOR	UM	QTYPER	M TYPEB	POSITION
.1	0001	CAP-0R01U-2120	CAP,0.01uF,+/-10%,SMD 0603,CHIP		PS	2.0000000	S B	C17, C21
.1	0002	CAP-1000P-2120	CAP,1000pF,+/-10%,SMD 0603,CHIP		PS	4.0000000	S B	C18, C19,C22,C23
.1	0003	CAP-10P00-2120	CAP,10pF,+/-10%,SMD 0603,CHIP		PS	2.0000000	S B	C11, C28
.1	0004	CAP-1U000-2323	CAP,1uF,+/-10%,SMD 0805,CHIP,16V		PS	6.0000000	S B	C13-C15,C25,C26,C27
.1	0005	IC9-TPA0202-31	IC,TPA0202,TSSOP-24PIN,5V,SMD,TI		PS	1.0000000 P	S B	U1

		*IC9-APA2020-31	U	IC,APA2020A,TSSOP-24PIN,3V&5V,SMD,STEREO 2W,AMPLIF					
.1	0006	PCB-AT181-AB20 *		PCB,A/B,V20,KUOTIANG,AT181H1 SERIES	PS	1.0000000	P	S	B
.1	0007	RES-00000-1121		RES,0 OHM,+/-5%,SMD,CHIP,0603	PS	3.0000000		S	B R6,R12,R13
.1	0008	RES-0001K-1121		RES,1K,+/-5%,SMD,CHIP,0603	PS	1.0000000		S	B R7
.1	0009	RES-0010K-1121		RES,10K,+/-5%,SMD,CHIP,0603	PS	2.0000000		S	B R3,R9
.1	0010	RES-0020K-1121		RES,20K,+/-5%,SMD,CHIP,0603	PS	2.0000000		S	B R4,R8
.1	0011	RES-0022K-1121		RES,22K,+/-5%,SMD,CHIP,0603	PS	2.0000000		S	B R1,R11
.1	0012	RES-0100K-1121		RES,100K,+/-5%,SMD,CHIP,0603	PS	2.0000000		S	B R2,R10
.1	0013	SOL-11111-1010 *		SOLDER,WIRE,RSN63A-S2,0.6mm	G	1.0000000		S	B

附註: 無重覆之插件位置.

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 PMF-MA172-0907 TO PMF-MA172-0907 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
PMF-MA172-0907	ASS'Y PCB FINAL,M/B,V90,AT181H1-AA (KING KUNG)	ST
B P V0.5		

LEVEL	ITEM	COM SUB PART NO	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	POSITION
.1	0001	BED-R6H63-TS01	BEAD,R6H6*10*0.85-3Ts,DIP,KING-CORE		PS	1.0000000	P S B	FB7
.1	0002	CAP-220U0-32A4 U	CAP,220uF,+/-20%,DIP 8*11,EC,25V,LEG=3-3.5mm		PS	1.0000000	P S B	C319
.1	0003	CAP-220U0-3HA3	CAP,220uF,+/-20%,DIP 180。 6.3*11,EC,16V,LEG=3-3.5mm		PS	3.0000000	P S B	C36,C52,C55
.1	0004	CAP-22U00-3FA3 U	CAP,22uF,+/-20%,DIP 5*11,EC,16V,LEG=3-3.5mm		PS	12.0000000	P S B	C51,C54,C88,C126,C127,C130,C136,C151,C162,C168,C170,C175

.1	0005	CAP-470U0-3J53	U	CAP,470uF,+/-20%,DIP 8*11 180。,LZ,16V		PS	4.0000000		S	B	C178 ,C179,C185,C186
.1	0006	CAP-470U0-3JA3		CAP,470uF,+/-20%,DIP 8*11 180。,EC,16V,LEG =3-3.5mm		PS	2.0000000	P	S	B	C166 ,C173
.1	0007	CAP-47U00-3HA5		CAP,47uF,+/-20%,DIP 6.3*11 180。,EC,50V,LE G=3-3.5mm		PS	3.0000000	P	S	B	C182 ,C184,C188
.1	0008	CNN-P001H-3401		CNN,DJ-0702-025,DC JACK,2.5,L9*H11mm,DIP R /A,JT		PS	1.0000000		S	B	J8
.1	0009	CNN-P002W-2201		CNN,2002P0200T,2.0,DIP 180。,1 ROW		PS	1.0000000		S	B	J16
.1	0010	CNN-P004W-3202		CNN,HEADER,4PIN,2.54,DIP 180°,1 ROW	揚麟	PS	1.0000000	P	S	B	JP1
.1	0011	CNN-P007W-2201		CNN,2002P0700T,7PIN,2.0,DIP 180°,1 ROW,LA NDWIN		PS	1.0000000		S	B	J7
.1	0012	CNN-P008W-2201		CNN,2002P0800T,8PIN,2.0,DIP 180°,1 ROW,LA NDWIN		PS	1.0000000		S	B	J15
.1	0013	CNN-P012W-2201	U	CNN,HEADER,12PIN,2.0,DIP 180。,2 ROW,LANDW IN		PS	1.0000000		S	B	J10
.1	0014	CNN-P015H-0401		CNN,103A-15FSTBBB2,15PIN,D-SUB H/D,VGA PC9 9,DIP 90。,3 ROW,CHANT SINCERE		PS	1.0000000		S	B	J2
.1	0015	CNN-P032W-2203	U	CNN,HEADER,32PIN,2.0,DIP 180°,2 ROW		PS	1.0000000	P	S	B	J14
.1	0016	DID-N5822-2601		DIODE,1N5822,40V,3A,DIP,2PIN,GO TOP		PS	2.0000000		S	B	D18, D19
.1	0017	FLU-11111-0010 *		FLUX,20 CM3,ALL MODEL		CC	1.0000000		S	B	
.1	0018	PMS-MA172-0907 *		ASS'Y PCB SMT,M/B,V90,AT181H1-AA		ST	1.0000000	P	P	B	
.1	0019	SOL-11111-0010 *		SOLDER,BAR,ALL MODEL		G	1.0000000		S	B	
.1	0020	SPR-MA172-6030 *		SPRING,EMI,TOUCH UP,AT17X SERIES/AT181H1		PS	2.0000000		S	B	

.1	0021 XT1-000016M-21	CRYSTAL,16.00 MHz,49US,DIP,+/-50ppm,30P,NS K	PS	1.0000000	S B Y2	

附註: 無重覆之插件位置.

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 PMS-MA172-0907 TO PMS-MA172-0907 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
PMS-MA172-0907	ASS'Y PCB SMT,M/B,V90,AT181H1-AA	ST
B P V0.5		

LEVEL	ITEM	SUB	COM PART NO	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	M POSITION
.1	0001	BED-090L1-6601		BEAD,FBM-11-453215-900A,SMD,4532,LOW,KING-		PS	5.0000000	P S B	FB1-FB4,L23
				CORE					
		*BED-121M1-6601		BEAD,GT4532GA121H,SMD,4532,MID,GOTOP					
.1	0002	BED-102M1-1001		BEAD,FBM-10-160808-102,SMD,0603,MID,KING-C		PS	3.0000000	S B	L11, L13,L24
				ORE					
.1	0003	BED-121M1-1002		BEAD,FBM-10-160808-121,SMD,0603,MID,KING-C		PS	9.0000000	P S B	L1,L3-L6,L14,R26,R51,R83
				ORE					

.1 0004 BED-221L1-1001 BEAD,FBM-11-160808-221T,SMD,0603,LOW,KING-CORE PS 1.0000000 P S B R42

.1 0005 CAP-0R01U-2124 CAP,0.01uF,+/-10%,SMD 0603,CHIP,25V PS 4.0000000 S B C198 ,C201,C303,C307

.1 0006 CAP-0R1U0-2124 CAP,0.1uF,+/-10%,SMD 0603,CHIP,25V PS 127.0000000 P S B C1,C15,C17,C20,C37,C44,C45,C53, C56, C59-C73,C76-C80,C83-C87, C92- C95,C115-C125,C131-C135, C137 -C150,C152-C161,C163-C165, C167 ,C169,C171,C174,C176,C177, C180 ,C181,C183,C187,C195,C199, C200 ,C205-C211,C244,C245, C274 -C277,C294,C296,C298, C300 -C302,C304-C306,C308-C313, C172 ,C316,C318,C320-C322 *

.1 0007 CAP-100P0-2120 CAP,100pF,+/-10%,SMD 0603,CHIP PS 17.0000000 P S B C10, C11,C27,C28,C31-C33, C269 -C272,C295,C297,299, C327 ,C330,C331

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.1    0008 CAP-10P00-2120       CAP,10pF,+/-10%,SMD 0603,CHIP                    PS    97.0000000   S B C103
,CP1-CP96
.1    0009 CAP-150P0-2120       CAP,150pF,+/-10%,SMD 0603,CHIP                   PS     1.0000000   S B C102
.1    0010 CAP-180P0-2120       CAP,180pF,+/-10%,SMD 0603,CHIP                   PS     4.0000000   S B C39-
C41,C128
.1    0011 CAP-18P00-2125       CAP,18pF,+/-10%,SMD 0603,CHIP,50V                PS     2.0000000   S B C111
,C112
.1    0012 CAP-30P00-2120       CAP,30pF,+/-10%,SMD 0603,CHIP                    PS     2.0000000   S B C314
,C315
.1    0013 CAP-330P0-2120       CAP,330pF,+/-10%,SMD 0603,CHIP                   PS    15.0000000 P S B C46-
C50,C278-C285,C323,C326
.1    0014 CAP-33P00-2120       CAP,33pF,+/-10%,SMD 0603,CHIP                    PS   107.0000000 P S B CP97
-CP144,C212-C243,C246-C265,
                                                                                                        C196
,C202,C324,C325,C34,C332,
                                                                                                        C333
.1    0015 CAP-3900P-1123       CAP,3.9nF,+/-5%,SMD 0603,CHIP,16V                PS     1.0000000   S B C57
.1    0016 CAP-47P00-2120       CAP,47pF,+/-10%,SMD 0603,CHIP                    PS    31.0000000 P S B C18,
C19,C24,C25,
                                                                                                        C104
-C109,C113,C114,CP145-CP160,
                                                                                                        C328
,C329,C317
.1    0017 CAP-R039U-1123       CAP,0.039uF,+/-5%,SMD 0603,CHIP,16V              PS     1.0000000   S B C58
.1    0018 CAP-R047U-2120       CAP,0.047uF,+/-10%,SMD 0603,CHIP                 PS    10.0000000   S B C74,
C75,C81,C82,C91,C98,C99,
                                                                                                        C100
,C101,C110
.1    0019 DID-AV99L-1601       DIODE,BAV99L,3PIN,SMD,3mA,50V                    PS    13.0000000   S B D2-D
9,D11-D15
.1    0020 DID-N4148-1101       DIODE,1N4148,BAS32L,MELF,SMD,2PIN,TFK(VISH       PS     2.0000000   S B D1,D
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10
AY TELEFUNKEN),AU-14R01
.1 0021 DID-ZS56B-4101 DIODE,ZENER,UDZS5.6,UMD2,2PIN,SQUARE TYPE PS 2.0000000 S B D16,
D17
Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 2
04/07/2001 PMS-MA172-0907 TO PMS-MA172-0907 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO DESCRIPTION U/M
M /B TYPE VERSION

- - -------
PMS-MA172-0907 ASS'Y PCB SMT,M/B,V90,AT181H1-AA ST
B P V0.5

COM PART NO M

LEVEL ITEM SUB PART NO DESCRIPTION VENDOR UM QTYPER TYPEB POSI
TION
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.1 0022 IC0-00PW164-21 U IC,PW164,BGA256PIN,3.3V,SMD,FUJITSU PS 1.0000000 S B U13
.1 0023 IC1-AME8810-21 IC,REGULATOR,AME8810AEGT,SOT223,3.3V,600mA PS 2.0000000 S B U8,U
9
,ANALOG MICROELECTRONICS
.1 0024 IC4-C758525-21 IC,AMC7585-2.5ST,3PIN,TO263,2.5V,SMD,AMC PS 1.0000000 S B U18
.1 0025 IC4-C758533-21 IC,AMC7585-3.3ST,3PIN,TO263,3.3V,SMD,AMC PS 1.0000000 S B U20
.1 0026 IC4-LM25963-21 U IC,LM2596-3.3,TO263,3.3V,SMD,NS PS 1.0000000 P S B U22

		*IC4-MIC4576-21	U	IC,MIC4576-3.3BU,TO263,3.3V,SMD,MICREL					
.1	0027	IC4-LM25965-31		IC,LM2596-5.0,TO263,5V,SMD,NS	PS	1.0000000		S	B U21
.1	0028	IC5-024LC21-31		IC,24LC21,SOP-8PIN,5V,SMD,ATMEL	PS	1.0000000		S	B U1
.1	0029	IC5-0DS1708-21		IC,DS1708,SOP-8PIN,3.3V,SMD,DALLAS	PS	1.0000000		S	B U17
.1	0030	IC5-0ICS501-21		IC,ICS501M,SOP-8PIN,3.3V,SMD,ICS	PS	1.0000000	P	S	B U26
.1	0031	IC5-0SI9433-51		IC,SI9433DY,SOP-8PIN,20V,SMD,SILIC	PS	2.0000000		S	B U19, U31
		*IC5-0SI9433-52	U	IC,SI9433DY,SOP-8PIN,20V,SMD,CET					
.1	0032	IC5-24LC16B-21		IC,EPPROM,24LC16B,SOP-8PIN,2.5V-5.5V,SMD,ATMEL	PS	1.0000000		S	B U15
.1	0033	IC5-74ACT32-31		IC,SN74ACT32DR,SOP-14PIN,5V,SMD,TI	PS	1.0000000		S	B U16
.1	0034	IC5-ICS512M-21		IC,ICS512M,PLL,SOP-8PIN,3.3V,ICS	PS	1.0000000		S	B U25
.1	0035	IC8-AD9884A-21		IC,AD9884A,140Mpps,MQFP,128PIN,SMD,3.3V,ADI	PS	1.0000000		S	B U10
.1	0036	IC9-400TC90-21		IC,MBM29LV400TC-90,TSSOP,FLASH MEMORY,3.3V,4M BIT,FUJITSU	PS	1.0000000		S	B U14
.1	0037	IC9-4LVC126-21		IC,SN74LVC126APWR,TSSOP-14PIN,3.3V,SMD,TI	PS	2.0000000		S	B U3,U7
.1	0038	IC9-74LVC74-21		IC,74LVC74APW,TSSOP-14PIN,3.3V,SMD,PHILIPS	PS	1.0000000		S	B U6
.1	0039	IC9-90CF383-21		IC,DS90C383AMTD,TSSOP-56PIN,3.3V,SMD,NS	PS	2.0000000		S	B U28, U29
.1	0040	ICA-62334FP-31	U	IC,M62334FP,8-BIT,4CH I2C BUS,D-A,SSOP-8PIN,SMD,5V,MITSUBISHI	PS	1.0000000		S	B U30
.1	0041	IND-0033U-1001		INDUCTOR,33uH,SDRH127G5-330M,SMD,SUMIDA	PS	2.0000000		S	B L16, L18
.1	0042	PCB-MA172-MB90 *	U	PCB,M/B,V90,CHUN SHEN,AT17X SERIES/IY174FF /AT181H1	PS	1.0000000	P	S	B
.1	0043	RA0-00022-1123		RES ARRAY,22 OHM,8PIN4R,+/-5%,SMD,CHIP,120	PS	12.0000000		S	B RP29

-RP40

6

.1 0044 RA0-00033-1123 RES ARRAY,33 OHM,8PIN4R,+/-5%,SMD,CHIP,120 PS 12.0000000 S B RP13
-RP24

6

.1 0045 RES-00000-1121 RES,0 OHM,+/-5%,SMD,CHIP,0603 PS 25.0000000 P S B R64,
R65,R110-R119,R121,

R122

,R134,R18,R19,R283,

R292

,R6-R9,R12,R13

.1 0046 RES-00018-3121 RES,18 OHM,+/-1%,SMD,CHIP,0603 PS 4.0000000 S B R35-
R37,R46

.1 0047 RES-0001K-1121 RES,1K,+/-5%,SMD,CHIP,0603 PS 4.0000000 S B R58,
R61,R81,R82

.1 0048 RES-00022-1121 RES,22 OHM,+/-5%,SMD,CHIP,0603 PS 50.0000000 S B R108
,R109,R135-R182

.1 0049 RES-0002K-1121 RES,2K,+/-5%,SMD,CHIP,0603 PS 3.0000000 P S B R24,
R25,R288

.1 0050 RES-00047-1121 RES,47 OHM,+/-5%,SMD,CHIP,0603 PS 14.0000000 P S B R32,
R34,R41,R43-R45,R52-R54,

R68,

R71,R97,R104,R31

PARENT PART NO DESCRIPTION U/M
M /B TYPE VERSION

PMS-MA172-0907 ASS'Y PCB SMT,M/B,V90,AT181H1-AA ST
B P V0.5

COM PART NO M

LEVEL	ITEM	SUB	PART NO	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	POSITION
.1	0051		RES-00056-3121	RES,56 OHM,+/-1%,SMD,CHIP,0603		PS	4.0000000	S B	R38-R40,R47
.1	0052		RES-00075-3121	RES,75 OHM,+/-1%,SMD,CHIP,0603		PS	3.0000000	S B	R14-R16
.1	0053		RES-00100-1121	RES,100 OHM,+/-5%,SMD,CHIP,0603		PS	7.0000000	S B	R10,R17,R103,R105,R289-R291
.1	0054		RES-0010K-1121	RES,10K,+/-5%,SMD,CHIP,0603		PS	18.0000000	S B	R1-R5,R29,R48,R49,R66,R98-R102,R124,R125,R296,R298
.1	0055		RES-00150-1121 *	RES,150 OHM,+/-5%,SMD,CHIP,0603		PS	3.0000000	S B	R23
.1	0056		RES-0015K-1121	RES,15K,+/-5%,SMD,CHIP,0603		PS	1.0000000	S B	R187
.1	0057		RES-00330-1121	RES,330 OHM,+/-5%,SMD,CHIP,0603		PS	1.0000000	S B	R285
.1	0058		RES-00470-1121	RES,470 OHM,+/-5%,SMD,CHIP,0603		PS	3.0000000	S B	R76,R79,R287
.1	0059		RES-00560-1121	RES,560 OHM,+/-5%,SMD,CHIP,0603		PS	1.0000000	S B	R27
.1	0060		RES-00680-1121	RES,680 OHM,+/-5%,SMD,CHIP,0603		PS	1.0000000	S B	R120
.1	0061		RES-0100K-1121	RES,100K,+/-5%,SMD,CHIP,0603		PS	1.0000000	S B	R33

.1	0062	RES-0330K-1121	RES,330K,+/-5%,SMD,CHIP,0603	PS	1.0000000		S	B	R30
.1	0063	RES-03R3K-1121	RES,3.3K,+/-5%,SMD,CHIP,0603	PS	14.0000000		S	B	R28, R50,R55,R56,R67,R69,R70,R73 R74, R75,R77,R78,R86,R87 *
.1	0064	RES-04R7K-1121	RES,4.7K,+/-5%,SMD,CHIP,0603	PS	7.0000000	P	S	B	R11, R62,R63,R72,R80,R293,R294
.1	0065	SOL-11111-1010	SOLDER,WIRE,RSN63A-S2,0.6mm	G	1.0000000		S	B	*
.1	0066	TRS-N3904-1101	TRANSISTOR,2N3904,NPN,SOT23,SMD,LITE-ON	PS	6.0000000	P	S	B	Q1,Q2,Q4,Q5,Q7,Q8
.1	0067	TRS-N3906-2101	TRANSISTOR,2N3906,PNP,SOT23,SMD,LITE-ON	PS	1.0000000		S	B	Q3

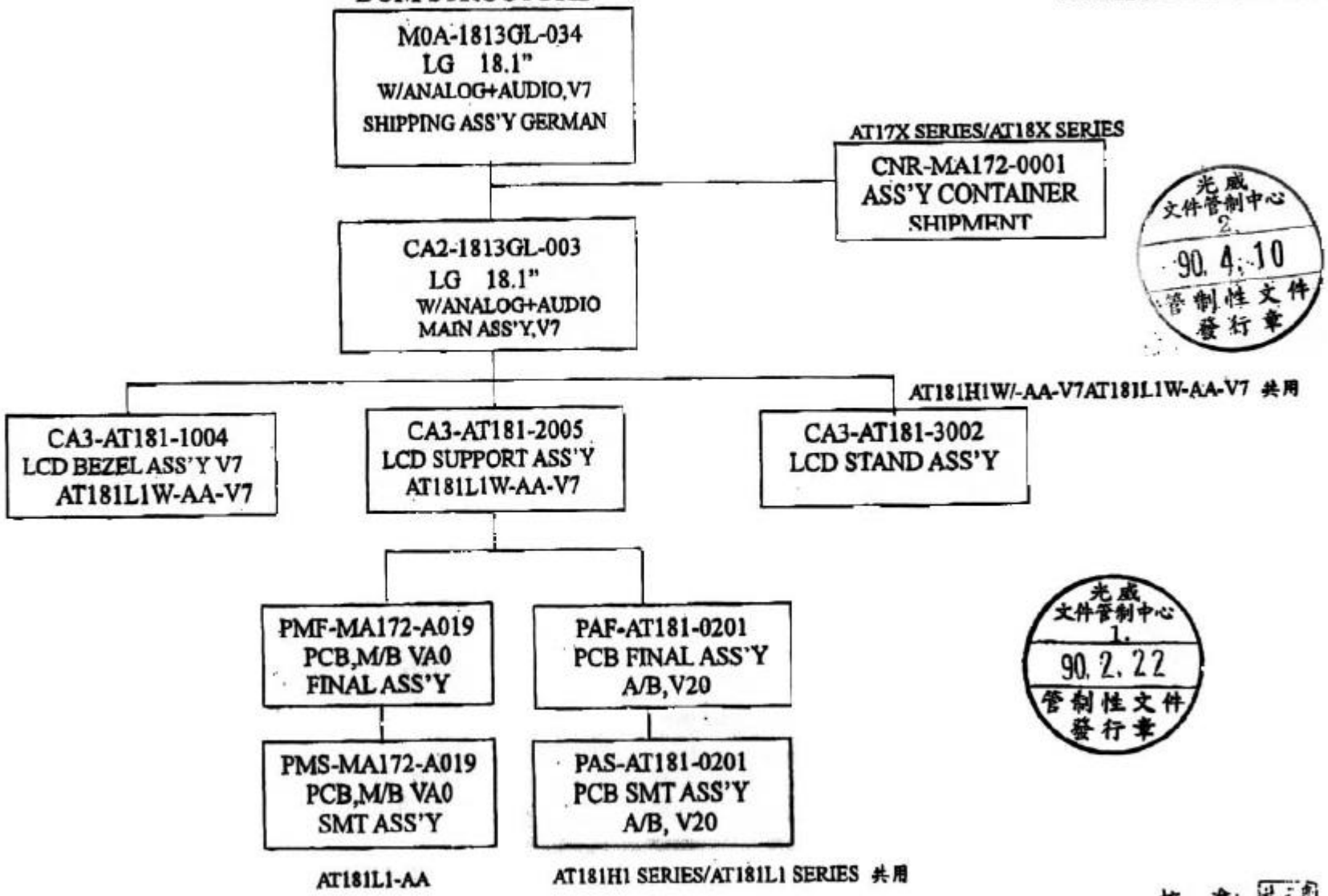
附註: 無重覆之插件位置.

** ** End of Report ** **

VERSION : V0.1
MODEL NAME :AT181L1W-AA-V7
DATE : 02/21/2001

ARCH TECH
PRO ARCH TECHNOLOGY INC.

AT181L1W-AA-V7 白金剛
BOM STRUCTURE



光威 文件管制中心 2. 90.4.10 管制性文件 發行章

光威 文件管制中心 1. 90.2.22 管制性文件 發行章

核 准:
製表者: 王 麗 鴻
文管中心-管制文件

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 M0A-1813GL-034 TO M0A-1813GL-034 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
M0A-1813GL-034	ASS'Y SHIPPING,LM,LG 18.1",PW164,ANALOG+AUDIO,V7,EUROPE,AT181L1W-AA-V7	ST
M P V0.2		

LEVEL	ITEM	COM SUB PART NO	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	M POSITION
.1	0001	ADT-A048V-1204 U	ADAPTER,AC/DC,12V,50W,ADP-50XB,2.5,DELTA,AT170A1-AA		PS	1.0000000	S	B
		*ADT-A048V-1205 U	ADAPTER,AC/DC,12V,48W,SA60-12V,2.5,SINO AMERICAN,A					
.1	0002	BAG-18026-0030	BAG,MANUAL+WARRANTY CARD,W180*L260*t0.03mm,M151A1		PS	1.0000000	P S	B
.1	0003	BAG-48065-035A	BAG W680*H750*t0.03mm,PRINTING(ENG/JAP/GER/FRA/ITA/SPA/BABY)		PS	1.0000000	P S	B
.1	0004	CA2-1813GL-003	ASS'Y MAIN,LM,LG 18.1",PW164,ANALOG+AUDIO,V7,AT181L1W-AA-V7		ST	1.0000000	P	M
.1	0005	CAB-IY151-AUD1	CABLE,AUDIO,160cm,PN427C,GOLFUU		PS	1.0000000	P S	B

		*CAB-IY151-AUD2		CABLE,AUDIO,160cm,PN427C,SPACE SHUTTLE				
		*CAB-IY151-AUD3		CABLE,AUDIO,160cm,PN427C,JCE				
		*CAB-IY151-AUD4	U	CABLE,AUDIO,160cm,PN427C,JHEN VEI				
.1	0006	CAB-MA171-VGA1		CABLE,VGA,180cm,IBM LIGHT GRAY II,15P-15P, AT17X SERIES	PS	1.0000000	S	B
.1	0007	CNR-MA172-0001		ASS'Y CONTAINER SHIPMENT,AT17X SERIES	ST	1.0000000	P P	M
.1	0008	CUS-AT181-L020	U	CUSHION,EPE,L,AT181L1-AA SERIES	PS	1.0000000	S	B
.1	0009	CUS-AT181-R020	U	CUSHION,EPE,R,AT181L1-AA SERIES	PS	1.0000000	S	B
.1	0010	DSK-AT181-1011		DISK,DRIVER,INF FILE,V7.3,V7 ALL SERIES	PS	1.0000000	S	B
.1	0011	LAB-AT181-F050	U	LABEL,FCC,AT181L1W-AA-V7	PS	1.0000000	S	B
.1	0012	MAU-AT181-115A	U	MANUAL,USER GUIDE,REV.A(ENG/FRA/GER/ITA/SPA),V7,AT181H1-AA-V7/AT181H1W-AA-V7	PS	1.0000000	S	B
.1	0013	PAK-AT181-1120	U	CARTON,KRAFT,V7,AT181H1W-AA-V7/AT181L1W-AA-V7	PS	1.0000000	S	B
.1	0014	PWC-MA172-EU01		CORD POWER,(BIG)3P-3P,7A,180cm,IBM LIGHT GRAY II,EUROPE,I-SHENG	PS	1.0000000	S	B

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 CNR-MA172-0001 TO CNR-MA172-0001 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
CNR-MA172-0001	ASS'Y CONTAINER SHIPMENT,AT17X SERIES	ST
M P V0.8		

LEVEL	ITEM	COM SUB	PART NO	M	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	POSITION
.1	0001	AGB-157AL-M310			ANGULAR CARDBOARD,800mm		PS	0.0625000	S B	
.1	0002	AGB-IY151-0001			ANGULAR CARDBOARD,960mm		PS	0.0625000	S B	
.1	0003	BTP-157AL-M310			PLATE,TOP/BOTTOM,1010*860mm		PS	0.0625000	S B	
.1	0004	EPK-P181M-0100			ANGULAR CARDBOARD,1600*50*50*5mm,TOP		PS	0.1250000	S B	
.1	0005	PLT-157AL-M310			PALLET,157ALM		PS	0.0416666	P S B	
.1	0006	PLT-157AL-M320		U	PALLET SHEET(A4)		PS	1.0000000	S B	
.1	0007	PSB-P181M-0500		U	軟質膠布,W1200*L1300*t0.05mm,181M		PS	0.0004782	P S B	
.1	0008	PVS-157AL-M010			PVC SHEET,軟質膠帶,W1200*t0.05mm		ROL	0.0311111	S B	
.1	0009	STE-157AL-M310			STRETCH FILM		ROL	0.0013947	P S B	
.1	0010	TPP-157AL-M310			TAPE,STRAPPING,13m		ROL	0.0003207	P S B	

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 CA2-1813GL-003 TO CA2-1813GL-003 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
- - -------		
CA2-1813GL-003	ASS'Y MAIN,LM,LG 18.1",PW164,ANALOG+AUDIO,V7,AT181L1W-AA-V7	ST
M P V0.2		

LEVEL	ITEM	COM SUB PART NO	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	M POSITION
.1	0001	CA3-AT181-1004	ASS'Y BEZEL LCD,V7,H89625B4,AT181L1W-AA-V7		ST	1.0000000	P	M
.1	0002	CA3-AT181-2005	ASS'Y SUPPORT LCD,H89625B4,W/V7 LOGO,PW164 ,AT181L1W-AA-V7		ST	1.0000000	P	M
.1	0003	CA3-AT181-3002	ASS'Y STAND LCD,H89625B4,AT181H1W-AA-V7/AT 181L1W-AA-V7/AT170C2W-G2		ST	1.0000000	P	M

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 CA3-AT181-3002 TO CA3-AT181-3002 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
CA3-AT181-3002	ASS'Y STAND LCD,H89625B4,AT181H1W-AA-V7/AT181L1W-AA-V7/AT170C2W-G2	ST
M P V0.2		

LEVEL	ITEM	COM SUB PART NO	DESCRIPTION	VENDOR	UM	QTYPER	M TYPEB	POSITION
.1	0001	BRA-AT181-3020 U	METAL,STAND,BRACKET,H89625B4,AT181H1W-AA-V7		PS	1.0000000	S B	
.1	0002	RUB-IY151-1503	RUBBER FOOT,D15*3.0	加金	PS	6.0000000	S B	
.1	0003	SR0-40114-0080	SCREW-MM-TRU-NI-4*8		PS	5.0000000	P S B	STAND BRK

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 CA3-AT181-1004 TO CA3-AT181-1004 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
CA3-AT181-1004	ASS'Y BEZEL LCD,V7,H89625B4,AT181L1W-AA-V7	ST
M P V0.2		

LEVEL	ITEM	COM SUB PART NO	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	POSITION
.1	0001	ABS-1H896-25B4 U	ABS,CHI LIN,H89625B4,IBM LIGHT GRAY II,AT141C1/AT150S3/AT17X SERIES/AT181 SERIES		PS	1.0000000	S B	
.1	0002	ALT-04005-0050 U	TAPE AL,EMI,W40*L50*t0.05mm		PS	11.0000000	S B	
.1	0003	BRA-AT181-1060 U	METAL,LCD,HOLDER,EMI,AT181L1W-AA-V7		PS	1.0000000	S B	
.1	0004	BRA-AT181-1070 U	METAL,LCD,BRACKET,INVERTER,AT181L1W-AA-V7		PS	1.0000000	S B	
.1	0005	BRA-AT181-1080 U	METAL,LCD,BRACKET MAIN,H89625B4,AT181L1W-AA-V7		PS	1.0000000	S B	
.1	0006	BTN-AT181-3301 U	BUTTON,MEMBRANE CONTROL SWITCHES,AT181H1-AA		PS	1.0000000	S B	
.1	0007	COV-AT181-1040 U	PLASTIC,LCD,FRONT BEZEL,H89625B4,V7,AT181L		PS	1.0000000	S B	

				1W-AA-V7						
.1	0008	COV-AT181-2020	U	PLASTIC,SUPPORT,O-RING,H89625B4,AT181H1W-A A-V7	PS	1.0000000		S	B	
.1	0009	GAS-01005-0010		GASKET EMI,W10*L50*H10mm,AT170S2/SA/AT174F 1/FA	PS	1.0000000		S	B	
.1	0010	GS1-151AD-1006		GASKET EMI,W10*L50*H6mm,151A	PS	2.0000000		S	B	
.1	0011	HIN-AT181-2010		METAL,SUPPORT,HINGE,AT181H1	PS	1.0000000		S	B	
.1	0012	IVG-LG181-0401	U	INVERTER,LM181E1-J3MN,LG 18.1",INV18-407,S PI,AT181L1-AA	PS	1.0000000		S	M	
.1	0013	LAB-14R01-9010		LABEL,TC099,AU-14R01	PS	1.0000000	P	S	B	
.1	0014	LCD-LM181E1-41	U	PANEL LCD,LM181E1-J3MN,LG 18.1",AT181L1-AA	PS	1.0000000		S	B	
.1	0015	MLI-AT181-1010	U	MYLAR,INVERTER,AT181H1-AA	PS	1.0000000		S	B	
.1	0016	RUB-AT181-6020		RUBBER,SUPPORT,H89625B4,AT181H1W-AA-V7	PS	1.0000000		S	B	
.1	0017	SPR-AT181-3010		SPRING,GOLDEN FINGER,AT181H1	PS	12.0000000	P	S	B	
.1	0018	SPR-AT181-6010		SPRING,EMI,FIX CABLE,AT181H1	PS	1.0000000		S	B	
.1	0019	SR0-00153-0060	U	SCREW-MM-PAN-ZNC-3*6	PS	11.0000000	P	S	B	HING
*6,SPRING EMI FIX CABLE*3,										
										INVE
RTER*2										
.1	0020	SR0-00500-0020	U	SCREW-MM-STUD-4*(12.3+8.3),AT181L1 SERIES	PS	4.0000000		S	B	HOLD
ER EMI										
.1	0021	SR0-10194-0080		SCREW-MM-FLT-ZNW(WHITE)-4*8	PS	4.0000000		S	B	MAIN
BRACKET										
.1	0022	SR0-50113-0100		SCREW-MM-BND-NI-3*10	PS	2.0000000		S	B	HOLD
ER INVERTER										
.1	0023	SR1-10193-0120		SCREW-TB-FLT-ZNW-3*12	PS	3.0000000		S	B	LCD
PNL										
.1	0024	SR3-40153-0040	U	SCREW-TP-TRU-ZNC-3*4	PS	8.0000000		S	B	O-RI
NG										
.1	0025	TAP-M17A1-0010	U	TAPE,EMI,CONDUCTIVE,W50*L80*t0.05mm	PS	2.0000000		S	B	
.1	0026	WIL-AT181-BM01	U	WIRE-ASS'Y,M/B-BTN(MEMBRANCE CTL),AT181H1-	PS	1.0000000		S	B	

				AA				
.1	0027	WIL-AT181-IV01		WIRE-ASS'Y,M/B-INVERTER,AT181H1-AA	PS	1.0000000	S	B
.1	0028	WIL-AT181-LC21	U	WIRE-ASS'Y,M/B-LCD,21P-32P,AT181L1-AA	PS	1.0000000	S	B
.1	0029	WIL-AT181-LC31	U	WIRE-ASS'Y,M/B-LCD,5P-8P,AT181L1-AA	PS	1.0000000	S	B

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 CA3-AT181-2005 TO CA3-AT181-2005 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
CA3-AT181-2005	ASS'Y SUPPORT LCD,H89625B4,W/V7 LOGO,PW164,AT181L1W-AA-V7	ST
M P V0.2		

LEVEL	ITEM	COM SUB PART NO	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	M POSITION
.1	0001	BRA-AT181-1030	U METAL,LCD,EMI COVER,AT181H1-AA		PS	1.0000000	S B	
.1	0002	BRA-AT181-2020	U METAL,SUPPORT,FRONT BRACKET,H89625B4,AT181H1W-AA-V7		PS	1.0000000	S B	
.1	0003	COV-AT181-2020	U PLASTIC,SUPPORT,O-RING,H89625B4,AT181H1W-AA-V7		PS	1.0000000	S B	
.1	0004	COV-AT181-3030	U PLASTIC,SUPPORT,REAR COVER,W/V7 LOGO,H89625B4,AT181H1W-AA-V7		PS	1.0000000	S B	
.1	0005	COV-AT181-3040	U PLASTIC,SUPPORT,REAR BEZEL,H89625B4,AT181H1W-AA-V7		PS	1.0000000	S B	
.1	0006	PAF-AT181-0201	ASS'Y PCB FINAL,A/B,V20,AT181H1 SERIES		ST	1.0000000	P B	

.1	0007	PMF-MA172-A019		ASS'Y PCB FINAL,M/B,VA0,AT181L1-AA (KING KUNG)	ST	1.0000000	P	B		
.1	0008	SPK-AT181-1010	U	SPEAKER,FG-40N020H8,8 OHM,d40*20,1W,FORTUNE GRAND,AT181H1	PS	1.0000000	S	B		
.1	0009	SR0-00153-0040	U	SCREW-MM-PAN-ZNC-3*4	PS	11.0000000	P	S	B	EMI COVER*9,FIXED WIRE CLIP*2
.1	0010	SR0-00153-0060	U	SCREW-MM-PAN-ZNC-3*6	PS	14.0000000	P	S	B	SUPPORT FRONT BRACKET*6, M/B*4,REAR COVER DOWN/TOP*4
.1	0011	SR1-00122-0070	U	SCREW-TB-PAN-BK-2*7	PS	4.0000000		S	B	SPEAKER
.1	0012	SR1-00153-0080		SCREW-TB-PAN-ZNC-3*8	PS	3.0000000		S	B	AUDIO BOARD
.1	0013	SR3-40153-0040	U	SCREW-TP-TRU-ZNC-3*4	PS	8.0000000		S	B	O-RING
.1	0014	WIL-AT181-MA01		WIRE-ASS'Y,M/B-A/B,AT181H1-AA	PS	1.0000000		S	B	

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 PAF-AT181-0201 TO PAF-AT181-0201 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
- - -------		
PAF-AT181-0201	ASS'Y PCB FINAL,A/B,V20,AT181H1 SERIES	ST
B P V0.5		

LEVEL	ITEM	SUB	COM PART NO	M	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	POSITION
.1	0001	CAP-10U00-3FA3			CAP,10uF,+/-20%,DIP 180。 5*11,EC,16V,LEG= 3-3.5mm		PS	2.0000000	P S B	C16, C20
.1	0002	CNN-P002W-2201			CNN,2002P0200T,2.0,DIP 180。,1 ROW		PS	1.0000000	S B	CON1
.1	0003	CNN-P003H-0203			CNN,MOJ-B56,AUDIO JACK,3PIN,DIP 180。		PS	1.0000000	S B	J1
.1	0004	CNN-P006W-3202		U	CNN,HEADER,6PIN,2.54,DIP 90°,2 ROW,6P-N4, LANDWIN		PS	1.0000000	P S B	CON2
.1	0005	FLU-11111-0010	*		FLUX,20 CM3,ALL MODEL		CC	1.1890000	P S B	
.1	0006	PAS-AT181-0201			ASS'Y PCB SMT,A/B,V20,AT181H1 SERIES		ST	1.0000000	P P B	

		*				
.1	0007	SOL-11111-0010	SOLDER,BAR,ALL MODEL	G	0.5630000	P S B
		*				

附註: 無重覆之插件位置.

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 PAS-AT181-0201 TO PAS-AT181-0201 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
- - -------		
PAS-AT181-0201	ASS'Y PCB SMT,A/B,V20,AT181H1 SERIES	ST
B P V0.5A		

LEVEL	ITEM	COM SUB PART NO	DESCRIPTION	VENDOR	UM	QTYPER	M TYPEB	POSITION
.1	0001	CAP-0R01U-2120	CAP,0.01uF,+/-10%,SMD 0603,CHIP		PS	2.0000000	S B	C17, C21
.1	0002	CAP-1000P-2120	CAP,1000pF,+/-10%,SMD 0603,CHIP		PS	4.0000000	S B	C18, C19,C22,C23
.1	0003	CAP-10P00-2120	CAP,10pF,+/-10%,SMD 0603,CHIP		PS	2.0000000	S B	C11, C28
.1	0004	CAP-1U000-2323	CAP,1uF,+/-10%,SMD 0805,CHIP,16V		PS	6.0000000	S B	C13-C15,C25,C26,C27
.1	0005	IC9-TPA0202-31	IC,TPA0202,TSSOP-24PIN,5V,SMD,TI		PS	1.0000000 P	S B	U1

		*IC9-APA2020-31	U	IC,APA2020A,TSSOP-24PIN,3V&5V,SMD,STEREO 2W,AMPLIF					
.1	0006	PCB-AT181-AB20 *		PCB,A/B,V20,KUOTIANG,AT181H1 SERIES	PS	1.0000000	P	S	B
.1	0007	RES-00000-1121		RES,0 OHM,+/-5%,SMD,CHIP,0603	PS	3.0000000		S	B R6,R12,R13
.1	0008	RES-0001K-1121		RES,1K,+/-5%,SMD,CHIP,0603	PS	1.0000000		S	B R7
.1	0009	RES-0010K-1121		RES,10K,+/-5%,SMD,CHIP,0603	PS	2.0000000		S	B R3,R9
.1	0010	RES-0020K-1121		RES,20K,+/-5%,SMD,CHIP,0603	PS	2.0000000		S	B R4,R8
.1	0011	RES-0022K-1121		RES,22K,+/-5%,SMD,CHIP,0603	PS	2.0000000		S	B R1,R11
.1	0012	RES-0100K-1121		RES,100K,+/-5%,SMD,CHIP,0603	PS	2.0000000		S	B R2,R10
.1	0013	SOL-11111-1010 *		SOLDER,WIRE,RSN63A-S2,0.6mm	G	1.0000000		S	B

附註: 無重覆之插件位置.

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 PMF-MA172-A019 TO PMF-MA172-A019 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
PMF-MA172-A019	ASS'Y PCB FINAL,M/B,VA0,AT181L1-AA (KING KUNG)	ST
B P V0.1		

LEVEL	ITEM	COM SUB PART NO	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	POSITION
.1	0001	BED-R6H63-TS01	BEAD,R6H6*10*0.85-3Ts,DIP,KING-CORE		PS	1.0000000	P S B	FB7
.1	0002	CAP-220U0-32A4 U	CAP,220uF,+/-20%,DIP 8*11,EC,25V,LEG=3-3.5mm		PS	1.0000000	P S B	C319
.1	0003	CAP-220U0-3HA3	CAP,220uF,+/-20%,DIP 180。 6.3*11,EC,16V,LEG=3-3.5mm		PS	3.0000000	P S B	C36,C52,C55
.1	0004	CAP-22U00-3FA3 U	CAP,22uF,+/-20%,DIP 5*11,EC,16V,LEG=3-3.5mm		PS	12.0000000	P S B	C51,C54,C88,C126,C127,C130,C136,C151,C162,C168,C170,C175

.1	0005	CAP-470U0-3J53	U	CAP,470uF,+/-20%,DIP 8*11 180。,LZ,16V		PS	4.0000000		S	B C178,C179,C185,C186
.1	0006	CAP-470U0-3JA3		CAP,470uF,+/-20%,DIP 8*11 180。,EC,16V,LEG=3-3.5mm		PS	2.0000000	P	S	B C166,C173
.1	0007	CAP-47U00-3HA5		CAP,47uF,+/-20%,DIP 6.3*11 180。,EC,50V,LEG=3-3.5mm		PS	3.0000000	P	S	B C182,C184,C188
.1	0008	CNN-P001H-3401		CNN,DJ-0702-025,DC JACK,2.5,L9*H11mm,DIP R/A,JT		PS	1.0000000		S	B J8
.1	0009	CNN-P002W-2201		CNN,2002P0200T,2.0,DIP 180。,1 ROW		PS	1.0000000		S	B J16
.1	0010	CNN-P004W-3202		CNN,HEADER,4PIN,2.54,DIP 180°,1 ROW	揚麟	PS	1.0000000	P	S	B JP1
.1	0011	CNN-P007W-2201		CNN,2002P0700T,7PIN,2.0,DIP 180°,1 ROW,LANDWIN		PS	1.0000000		S	B J7
.1	0012	CNN-P008W-2201		CNN,2002P0800T,8PIN,2.0,DIP 180°,1 ROW,LANDWIN		PS	1.0000000		S	B J15
.1	0013	CNN-P012W-2201	U	CNN,HEADER,12PIN,2.0,DIP 180。,2 ROW,LANDWIN		PS	1.0000000		S	B J10
.1	0014	CNN-P015H-0401		CNN,103A-15FSTBBB2,15PIN,D-SUB H/D,VGA PC99,DIP 90。,3 ROW,CHANT SINCERE		PS	1.0000000		S	B J2
.1	0015	CNN-P032W-2203	U	CNN,HEADER,32PIN,2.0,DIP 180°,2 ROW		PS	1.0000000	P	S	B J14
.1	0016	DID-N5822-2601		DIODE,1N5822,40V,3A,DIP,2PIN,GO TOP		PS	1.0000000	P	S	B D18
.1	0017	FLU-11111-0010		FLUX,20 CM3,ALL MODEL		CC	1.0000000		S	B
		*								
.1	0018	PMS-MA172-A019		ASS'Y PCB SMT,M/B,VA0,AT181L1-AA		ST	1.0000000		P	B
		*								
.1	0019	SOL-11111-0010		SOLDER,BAR,ALL MODEL		G	1.0000000		S	B
		*								
.1	0020	SPR-MA172-6030		SPRING,EMI,TOUCH UP,AT17X SERIES/AT181H1		PS	2.0000000		S	B
		*								
.1	0021	WIL-11111-1010	U	WIRE,JUMPER,2.54mm		PS	1.0000000		S	B JP7

.1	0022 XT1-000016M-21	CRYSTAL,16.00 MHz,49US,DIP,+/-50ppm,30P,NSK	PS	1.0000000	S B Y2	

附註: 無重覆之插件位置.

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 PMS-MA172-A019 TO PMS-MA172-A019 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
PMS-MA172-A019	ASS'Y PCB SMT,M/B,VA0,AT181L1-AA	ST
B P V0.2		

LEVEL	ITEM	SUB	COM PART NO	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	M POSITION
.1	0001		BED-090L1-6601	BEAD,FBM-11-453215-900A,SMD,4532,LOW,KING-		PS	5.0000000	P S B	FB1-FB4,L23
				CORE					
		*	BED-121M1-6601	BEAD,GT4532GA121H,SMD,4532,MID,GOTOP					
.1	0002		BED-102M1-1001	BEAD,FBM-10-160808-102,SMD,0603,MID,KING-C		PS	3.0000000	S B	L11, L13,L24
				ORE					
.1	0003		BED-121M1-1002	BEAD,FBM-10-160808-121,SMD,0603,MID,KING-C		PS	9.0000000	P S B	L1,L3-L6,L14,R26,R51,R83
				ORE					

.1	0004	BED-221L1-1001	BEAD,FBM-11-160808-221T,SMD,0603,LOW,KING-CORE	PS	1.0000000	P	S	B	R42
.1	0005	CAP-0R01U-2124	CAP,0.01uF,+/-10%,SMD 0603,CHIP,25V	PS	4.0000000		S	B	C198,C201,C303,C307
.1	0006	CAP-0R1U0-2124	CAP,0.1uF,+/-10%,SMD 0603,CHIP,25V	PS	127.0000000	P	S	B	C1,C15,C17,C20,C37,C44,C45,C53,C56,C59-C73,C76-C80,C83-C87,C92-C95,C115-C125,C131-C135,C137-C150,C152-C161,C163-C165,C167,C169,C171,C174,C176,C177,C180,C181,C183,C187,C195,C199,C200,C205-C211,C244,C245,C274-C277,C294,C296,C298,C300-C302,C304-C306,C308-C313,C172,C316,C318,C320-C322 *
.1	0007	CAP-100P0-2120	CAP,100pF,+/-10%,SMD 0603,CHIP	PS	17.0000000	P	S	B	C10,C11,C27,C28,C31-C33,C269-C272,C295,C297,299,C327,C330,C331

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.1    0008 CAP-10P00-2120       CAP,10pF,+/-10%,SMD 0603,CHIP                    PS    97.0000000   S B C103
,CP1-CP96
.1    0009 CAP-150P0-2120       CAP,150pF,+/-10%,SMD 0603,CHIP                   PS     1.0000000   S B C102
.1    0010 CAP-180P0-2120       CAP,180pF,+/-10%,SMD 0603,CHIP                   PS     4.0000000   S B C39-
C41,C128
.1    0011 CAP-18P00-2125       CAP,18pF,+/-10%,SMD 0603,CHIP,50V                PS     2.0000000   S B C111
,C112
.1    0012 CAP-30P00-2120       CAP,30pF,+/-10%,SMD 0603,CHIP                    PS     2.0000000   S B C314
,C315
.1    0013 CAP-330P0-2120       CAP,330pF,+/-10%,SMD 0603,CHIP                   PS    15.0000000 P S B C46-
C50,C278-C285,C323,C326
.1    0014 CAP-33P00-2120       CAP,33pF,+/-10%,SMD 0603,CHIP                    PS   107.0000000 P S B CP97
-CP144,C212-C243,C246-C265,
                                                                                                        C196
,C202,C324,C325,C34,C332,
                                                                                                        C333
.1    0015 CAP-3900P-1123       CAP,3.9nF,+/-5%,SMD 0603,CHIP,16V                PS     1.0000000   S B C57
.1    0016 CAP-47P00-2120       CAP,47pF,+/-10%,SMD 0603,CHIP                    PS    31.0000000 P S B C18,
C19,C24,C25,
                                                                                                        C104
-C109,C113,C114,CP145-CP160,
                                                                                                        C328
,C329,C317
.1    0017 CAP-R039U-1123       CAP,0.039uF,+/-5%,SMD 0603,CHIP,16V              PS     1.0000000   S B C58
.1    0018 CAP-R047U-2120       CAP,0.047uF,+/-10%,SMD 0603,CHIP                 PS    10.0000000   S B C74,
C75,C81,C82,C91,C98,C99,
                                                                                                        C100
,C101,C110
.1    0019 DID-AV99L-1601       DIODE,BAV99L,3PIN,SMD,3mA,50V                    PS    13.0000000   S B D2-D
9,D11-D15
.1    0020 DID-N4148-1101       DIODE,1N4148,BAS32L,MELF,SMD,2PIN,TFK(VISH       PS     2.0000000   S B D1,D
```

10
AY TELEFUNKEN),AU-14R01
.1 0021 DID-ZS56B-4101 DIODE,ZENER,UDZS5.6,UMD2,2PIN,SQUARE TYPE PS 2.0000000 S B D16,
D17
Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 2
04/07/2001 PMS-MA172-A019 TO PMS-MA172-A019 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO DESCRIPTION U/M
M /B TYPE VERSION

- - -------
PMS-MA172-A019 ASS'Y PCB SMT,M/B,VA0,AT181L1-AA ST
B P V0.2

COM PART NO M

LEVEL ITEM SUB PART NO DESCRIPTION VENDOR UM QTYPER TYPEB POSI
TION
----- ---- ------------------- ---------- --- ------------ - - - ----
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.1 0022 IC0-00PW164-21 U IC,PW164,BGA256PIN,3.3V,SMD,FUJITSU PS 1.0000000 S B U13
.1 0023 IC1-AME8810-21 IC,REGULATOR,AME8810AEGT,SOT223,3.3V,600mA PS 2.0000000 S B U8,U
9
,ANALOG MICROELECTRONICS
.1 0024 IC4-C758525-21 IC,AMC7585-2.5ST,3PIN,TO263,2.5V,SMD,AMC PS 1.0000000 S B U18
.1 0025 IC4-C758533-21 IC,AMC7585-3.3ST,3PIN,TO263,3.3V,SMD,AMC PS 1.0000000 S B U20
.1 0026 IC4-LM25965-31 IC,LM2596-5.0,TO263,5V,SMD,NS PS 1.0000000 S B U21

.1	0027	IC5-024LC21-31		IC,24LC21,SOP-8PIN,5V,SMD,ATMEL	PS	1.0000000		S	B U1
.1	0028	IC5-0DS1708-21		IC,DS1708,SOP-8PIN,3.3V,SMD,DALLAS	PS	1.0000000		S	B U17
.1	0029	IC5-0ICS501-21		IC,ICS501M,SOP-8PIN,3.3V,SMD,ICS	PS	1.0000000	P	S	B U26
.1	0030	IC5-0SI9433-51		IC,SI9433DY,SOP-8PIN,20V,SMD,SILIC	PS	2.0000000		S	B U19, U31
		*IC5-0SI9433-52	U	IC,SI9433DY,SOP-8PIN,20V,SMD,CET					
.1	0031	IC5-24LC16B-21		IC,EPPROM,24LC16B,SOP-8PIN,2.5V-5.5V,SMD,ATMEL	PS	1.0000000		S	B U15
.1	0032	IC5-74ACT32-31		IC,SN74ACT32DR,SOP-14PIN,5V,SMD,TI	PS	1.0000000		S	B U16
.1	0033	IC5-ICS512M-21		IC,ICS512M,PLL,SOP-8PIN,3.3V,ICS	PS	1.0000000		S	B U25
.1	0034	IC8-AD9884A-21		IC,AD9884A,140Mpps,MQFP,128PIN,SMD,3.3V,ADI	PS	1.0000000		S	B U10
.1	0035	IC9-400TC90-21		IC,MBM29LV400TC-90,TSSOP,FLASH MEMORY,3.3V,4M BIT,FUJITSU	PS	1.0000000		S	B U14
.1	0036	IC9-4LVC126-21		IC,SN74LVC126APWR,TSSOP-14PIN,3.3V,SMD,TI	PS	2.0000000		S	B U3,U7
.1	0037	IC9-74LVC74-21		IC,74LVC74APW,TSSOP-14PIN,3.3V,SMD,PHILIPS	PS	1.0000000		S	B U6
.1	0038	IC9-90CF383-21		IC,DS90C383AMTD,TSSOP-56PIN,3.3V,SMD,NS	PS	2.0000000		S	B U28, U29
.1	0039	ICA-62334FP-31	U	IC,M62334FP,8-BIT,4CH I2C BUS,D-A,SSOP-8PIN,SMD,5V,MITSUBISHI	PS	1.0000000		S	B U30
.1	0040	IND-0033U-1001		INDUCTOR,33uH,SDRH127G5-330M,SMD,SUMIDA	PS	1.0000000		S	B L16
.1	0041	PCB-MA172-MBA0 *		PCB,M/B,VA0,SHIN HO,AT17X/IY17X/AT18X SERIES	PS	1.0000000		S	B
.1	0042	RA0-00022-1123		RES ARRAY,22 OHM,8PIN4R,+/-5%,SMD,CHIP,1206	PS	12.0000000		S	B RP29-RP40
.1	0043	RA0-00033-1123		RES ARRAY,33 OHM,8PIN4R,+/-5%,SMD,CHIP,120	PS	12.0000000		S	B RP13-RP24

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.1 0044 RES-00000-1121 RES,0 OHM,+/-5%,SMD,CHIP,0603 PS 25.0000000 P S B R64, R65,R110-R119,R121,R122,R132 ,R18 ,R19,R283,R292,R6-R9,R12,R13

.1 0045 RES-00018-3121 RES,18 OHM,+/-1%,SMD,CHIP,0603 PS 4.0000000 S B R35-R37,R46

.1 0046 RES-0001K-1121 RES,1K,+/-5%,SMD,CHIP,0603 PS 4.0000000 S B R58, R61,R81,R82

.1 0047 RES-00022-1121 RES,22 OHM,+/-5%,SMD,CHIP,0603 PS 50.0000000 S B R108 ,R109,R135-R182

.1 0048 RES-0002K-1121 RES,2K,+/-5%,SMD,CHIP,0603 PS 3.0000000 P S B R24, R25,R288

.1 0049 RES-00047-1121 RES,47 OHM,+/-5%,SMD,CHIP,0603 PS 14.0000000 P S B R32, R34,R41,R43-R45,R52-R54, R68, R71,R97,R104,R31

.1 0050 RES-00056-3121 RES,56 OHM,+/-1%,SMD,CHIP,0603 PS 4.0000000 S B R38-R40,R47

.1 0051 RES-00075-3121 RES,75 OHM,+/-1%,SMD,CHIP,0603 PS 3.0000000 S B R14-R16

.1 0052 RES-00100-1121 RES,100 OHM,+/-5%,SMD,CHIP,0603 PS 7.0000000 S B R10, R17,R103,R105,R289-R291

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.

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04/07/2001 PMS-MA172-A019 TO PMS-MA172-A019 BOM EXPLOSION

Rept.# BOM201

PARENT PART NO DESCRIPTION U/M

M /B TYPE VERSION

PMS-MA172-A019 ASS'Y PCB SMT,M/B,VA0,AT181L1-AA ST
B P V0.2

LEVEL	ITEM	COM SUB	PART NO	DESCRIPTION	VENDOR	UM	QTYPER	M TYPEB	POSITION
.1	0053		RES-0010K-1121	RES,10K,+/-5%,SMD,CHIP,0603		PS	18.0000000	S B	R1-R5,R29,R48,R49,R66,R98-R102,R124,R125,R296,R298
.1	0054		RES-00150-1121	RES,150 OHM,+/-5%,SMD,CHIP,0603		PS	3.0000000	S B	R23 *
.1	0055		RES-0015K-1121	RES,15K,+/-5%,SMD,CHIP,0603		PS	1.0000000	S B	R187
.1	0056		RES-00330-1121	RES,330 OHM,+/-5%,SMD,CHIP,0603		PS	1.0000000	S B	R285
.1	0057		RES-00470-1121	RES,470 OHM,+/-5%,SMD,CHIP,0603		PS	3.0000000	S B	R76,R79,R287
.1	0058		RES-00560-1121	RES,560 OHM,+/-5%,SMD,CHIP,0603		PS	1.0000000	S B	R27
.1	0059		RES-00680-1121	RES,680 OHM,+/-5%,SMD,CHIP,0603		PS	1.0000000	S B	R120
.1	0060		RES-0100K-1121	RES,100K,+/-5%,SMD,CHIP,0603		PS	1.0000000	S B	R33
.1	0061		RES-0330K-1121	RES,330K,+/-5%,SMD,CHIP,0603		PS	1.0000000	S B	R30
.1	0062		RES-03R3K-1121	RES,3.3K,+/-5%,SMD,CHIP,0603		PS	14.0000000	S B	R28,R50,R55,R56,R67,R69,R70,R73,R74,R75,R77,R78,R86,R87 *
.1	0063		RES-04R7K-1121	RES,4.7K,+/-5%,SMD,CHIP,0603		PS	7.0000000	P S B	R11,

R62,R63,R72,R80,R293,R294
.1 0064 SOL-11111-1010 SOLDER,WIRE,RSN63A-S2,0.6mm G 1.0000000 S B
*
.1 0065 TRS-N3904-1101 TRANSISTOR,2N3904,NPN,SOT23,SMD,LITE-ON PS 6.0000000 P S B Q1,Q
2,Q4,Q5,Q7,Q8
.1 0066 TRS-N3906-2101 TRANSISTOR,2N3906,PNP,SOT23,SMD,LITE-ON PS 1.0000000 S B Q3

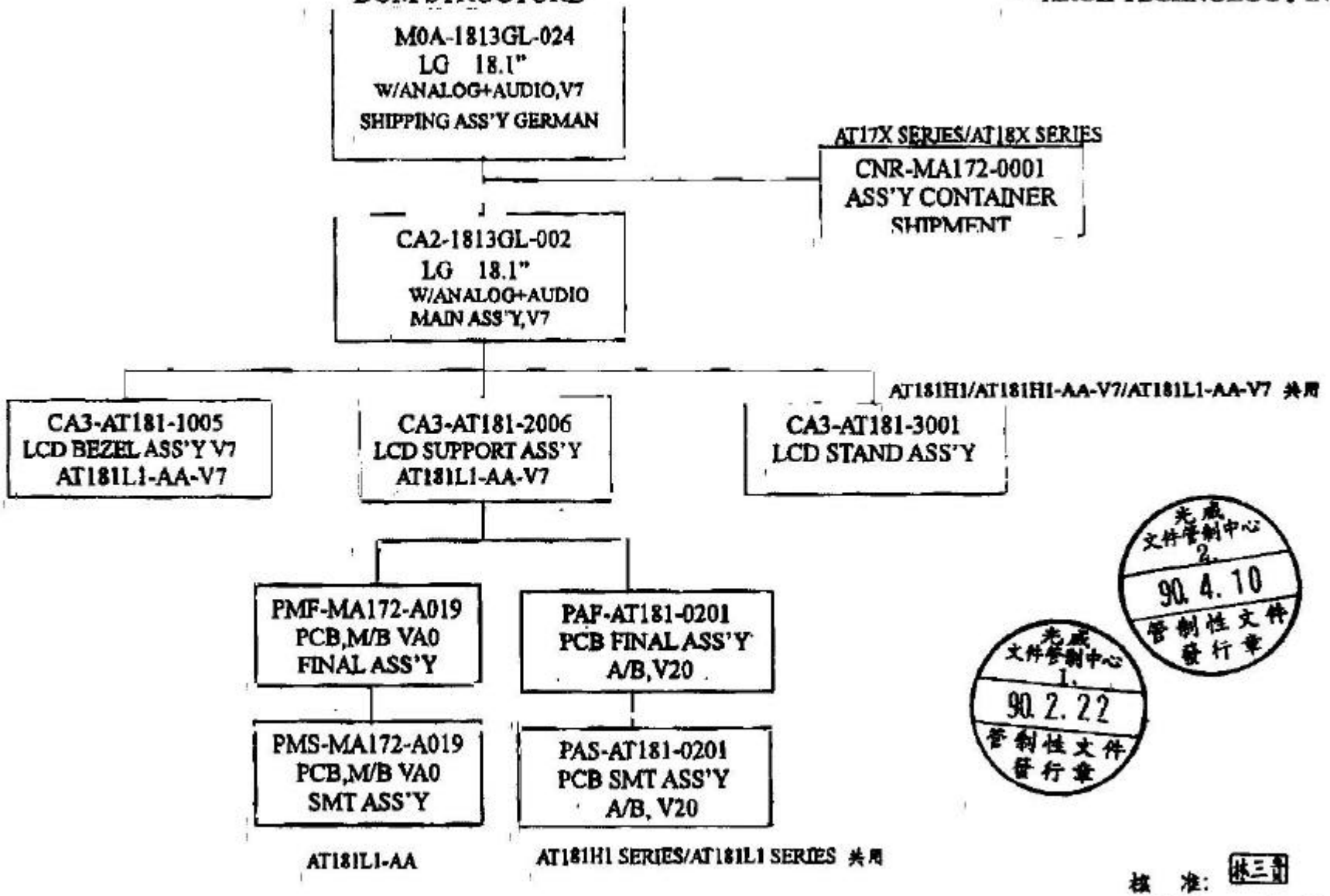
附註: 無重覆之插件位置.

** ** End of Report ** **

VERSION : V0.1
MODEL NAME :AT181L1-AA-V7
DATE : 02/21/2001

ARCH TECH
PRO ARCH TECHNOLOGY INC.

AT181L1-AA-V7 黑金剛
BOM STRUCTURE



光威 文件管制中心 2. 90.4.10 管制性文件發行章

光威 文件管制中心 1. 90.2.22 管制性文件發行章

核 准: 林三寶
製表者: 王 麗 鴻
文管中心-管制文件

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 M0A-1813GL-024 TO M0A-1813GL-024 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
M0A-1813GL-024	ASS'Y SHIPPING,LM,LG 18.1",PW164,ANALOG+AUDIO,V7,EUROPE,AT181L1-AA-V7	ST
M P V0.2		

LEVEL	ITEM	COM SUB PART NO	DESCRIPTION	VENDOR	UM	QTYPER	TYPE	B	POSITION
.1	0001	ADT-A048V-1204 U	ADAPTER,AC/DC,12V,50W,ADP-50XB,2.5,DELTA,AT170A1-AA		PS	1.0000000	S	B	
		*ADT-A048V-1205 U	ADAPTER,AC/DC,12V,48W,SA60-12V,2.5,SINO AMERICAN,A						
.1	0002	BAG-18026-0030	BAG,MANUAL+WARRANTY CARD,W180*L260*t0.03mm,M151A1		PS	1.0000000 P	S	B	
.1	0003	BAG-48065-035A	BAG W680*H750*t0.03mm,PRINTING(ENG/JAP/GER/FRA/ITA/SPA/BABY)		PS	1.0000000 P	S	B	
.1	0004	CA2-1813GL-002	ASS'Y MAIN,LM,LG 18.1",PW164,ANALOG+AUDIO,V7,AT181L1-AA-V7		ST	1.0000000 P		M	
.1	0005	CAB-IY151-AUD1	CABLE,AUDIO,160cm,PN427C,GOLFUU		PS	1.0000000 P	S	B	

		*CAB-IY151-AUD3		CABLE,AUDIO,160cm,PN427C,JCE				
		*CAB-IY151-AUD4	U	CABLE,AUDIO,160cm,PN427C,JHEN VEI				
.1	0006	CAB-MA171-VGA1		CABLE,VGA,180cm,IBM LIGHT GRAY II,15P-15P, AT17X SERIES	PS	1.0000000	S	B
.1	0007	CNR-MA172-0001		ASS'Y CONTAINER SHIPMENT,AT17X SERIES	ST	1.0000000	P P	M
.1	0008	CUS-AT181-L020	U	CUSHION,EPE,L,AT181L1-AA SERIES	PS	1.0000000	S	B
.1	0009	CUS-AT181-R020	U	CUSHION,EPE,R,AT181L1-AA SERIES	PS	1.0000000	S	B
.1	0010	DSK-AT181-1011		DISK,DRIVER,INF FILE,V7.3,V7 ALL SERIES	PS	1.0000000	S	B
.1	0011	LAB-AT181-F040	U	LABEL,FCC,AT181L1-AA-V7	PS	1.0000000	S	B
.1	0012	MAU-AT181-115A	U	MANUAL,USER GUIDE,REV.A(ENG/FRA/GER/ITA/SP A),V7,AT181H1-AA-V7/AT181H1W-AA-V7	PS	1.0000000	S	B
.1	0013	PAK-AT181-1110	U	CARTON,KRAFT,V7,AT181H1-AA-V7/AT181L1-AA-V 7	PS	1.0000000	S	B
.1	0014	PWC-MA172-EU01		CORD POWER,(BIG)3P-3P,7A,180cm,IBM LIGHT G RAY II,EUROPE,I-SHENG	PS	1.0000000	S	B

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 CNR-MA172-0001 TO CNR-MA172-0001 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
CNR-MA172-0001	ASS'Y CONTAINER SHIPMENT,AT17X SERIES	ST
M P V0.8		

LEVEL	ITEM	COM SUB	PART NO	M	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	POSITION
.1	0001	AGB-157AL-M310			ANGULAR CARDBOARD,800mm		PS	0.0625000	S B	
.1	0002	AGB-IY151-0001			ANGULAR CARDBOARD,960mm		PS	0.0625000	S B	
.1	0003	BTP-157AL-M310			PLATE,TOP/BOTTOM,1010*860mm		PS	0.0625000	S B	
.1	0004	EPK-P181M-0100			ANGULAR CARDBOARD,1600*50*50*5mm,TOP		PS	0.1250000	S B	
.1	0005	PLT-157AL-M310			PALLET,157ALM		PS	0.0416666	P S B	
.1	0006	PLT-157AL-M320		U	PALLET SHEET(A4)		PS	1.0000000	S B	
.1	0007	PSB-P181M-0500		U	軟質膠布,W1200*L1300*t0.05mm,181M		PS	0.0004782	P S B	
.1	0008	PVS-157AL-M010			PVC SHEET,軟質膠帶,W1200*t0.05mm		ROL	0.0311111	S B	
.1	0009	STE-157AL-M310			STRETCH FILM		ROL	0.0013947	P S B	
.1	0010	TPP-157AL-M310			TAPE,STRAPPING,13m		ROL	0.0003207	P S B	

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 CA2-1813GL-002 TO CA2-1813GL-002 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
CA2-1813GL-002	ASS'Y MAIN,LM,LG 18.1",PW164,ANALOG+AUDIO,V7,AT181L1-AA-V7	ST
M P V0.2		

COM PART NO M

LEVEL	ITEM	SUB	PART NO	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	POSITION
.1	0001	CA3-AT181-1005		ASS'Y BEZEL LCD,V7,F89017M9,AT181L1-AA-V7		ST	1.0000000	P M	
.1	0002	CA3-AT181-2006		ASS'Y SUPPORT LCD,F89017M9,W/V7 LOGO,PW164 ,AT181L1-AA-V7		ST	1.0000000	P M	
.1	0003	CA3-AT181-3001		ASS'Y STAND LCD,F89017M9,AT181H1-AA/AT181H 1-AA-V7/AT181L1-AA-V7		ST	1.0000000	P M	

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 CA3-AT181-3001 TO CA3-AT181-3001 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
CA3-AT181-3001	ASS'Y STAND LCD,F89017M9,AT181H1-AA/AT181H1-AA-V7/AT181L1-AA-V7	ST
M P V0.5		

LEVEL	ITEM	COM SUB PART NO	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	M POSITION
.1	0001	BRA-AT181-3010 U	METAL,STAND,BRACKET,F89017M9/PA-758,AT181H1-AA		PS	1.0000000	S B	
.1	0002	RUB-IY151-1503	RUBBER FOOT,D15*3.0	加金	PS	6.0000000	S B	
.1	0003	SR0-40114-0080	SCREW-MM-TRU-NI-4*8		PS	5.0000000	P S B	STAND BRK

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 CA3-AT181-1005 TO CA3-AT181-1005 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
CA3-AT181-1005	ASS'Y BEZEL LCD,V7,F89017M9,AT181L1-AA-V7	ST
M P V0.2		

LEVEL	ITEM	COM SUB PART NO	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	POSITION
.1	0001	ABS-1F890-17M9	U ABS,CHI LIN,F89017M9,PA-758,AT181H1/AT181L1 SERIES		PS	1.0000000	S B	
.1	0002	ALT-04005-0050	U TAPE AL,EMI,W40*L50*t0.05mm		PS	11.0000000	S B	
.1	0003	BRA-AT181-1060	U METAL,LCD,HOLDER,EMI,AT181L1W-AA-V7		PS	1.0000000	S B	
.1	0004	BRA-AT181-1070	U METAL,LCD,BRACKET,INVERTER,AT181L1W-AA-V7		PS	1.0000000	S B	
.1	0005	BRA-AT181-1090	U METAL,LCD,BRACKET MAIN,F89017M9,AT181L1-AA-V7		PS	1.0000000	S B	
.1	0006	BTN-AT181-3301	U BUTTON,MEMBRANE CONTROL SWITCHES,AT181H1-AA		PS	1.0000000	S B	
.1	0007	COV-AT181-1050	U PLASTIC,LCD,FRONT BEZEL,F89017M9,V7,AT181L		PS	1.0000000	S B	

				1-AA-V7					
.1	0008	COV-AT181-2010	U	PLASTIC,SUPPORT,O-RING,F89017M9/PA-758,AT181H1-AA/AT181L1-AA	PS	1.0000000		S	B
.1	0009	GAS-01005-0010		GASKET EMI,W10*L50*H10mm,AT170S2/SA/AT174F1/FA	PS	1.0000000		S	B
.1	0010	GS1-151AD-1006		GASKET EMI,W10*L50*H6mm,151A	PS	2.0000000		S	B
.1	0011	HIN-AT181-2010		METAL,SUPPORT,HINGE,AT181H1	PS	1.0000000		S	B
.1	0012	IVG-LG181-0401	U	INVERTER,LM181E1-J3MN,LG 18.1",INV18-407,SPI,AT181L1-AA	PS	1.0000000		S	M
.1	0013	LAB-11111-9020	U	LABEL,TCO95,H=16.25mm,ALL MODEL	PS	1.0000000	P	S	B
.1	0014	LCD-LM181E1-41	U	PANEL LCD,LM181E1-J3MN,LG 18.1",AT181L1-AA	PS	1.0000000		S	B
.1	0015	MLI-AT181-1010	U	MYLAR,INVERTER,AT181H1-AA	PS	1.0000000		S	B
.1	0016	RUB-AT181-6010		RUBBER,SUPPORT,F89017M9/PA-758,AT181H1-AA	PS	1.0000000		S	B
.1	0017	SPR-AT181-3010		SPRING,GOLDEN FINGER,AT181H1	PS	12.0000000	P	S	B
.1	0018	SPR-AT181-6010		SPRING,EMI,FIX CABLE,AT181H1	PS	1.0000000		S	B
.1	0019	SR0-00153-0060	U	SCREW-MM-PAN-ZNC-3*6	PS	11.0000000	P	S	B HING
*6,SPRING EMI FIX CABLE*3,									
									INVE
RTER*2									
.1	0020	SR0-00500-0020	U	SCREW-MM-STUD-4*(12.3+8.3),AT181L1 SERIES	PS	4.0000000		S	B HOLD
ER EMI									
.1	0021	SR0-10124-0080	U	SCREW-MM-FLT-BK-4*8	PS	4.0000000		S	B MAIN
BRACKET									
.1	0022	SR0-50113-0100		SCREW-MM-BND-NI-3*10	PS	2.0000000		S	B HOLD
ER INVERTER									
.1	0023	SR1-10123-0120	U	SCREW-TB-FLT-BK-3*12	PS	3.0000000		S	B LCD
PNL									
.1	0024	SR3-40153-0040	U	SCREW-TP-TRU-ZNC-3*4	PS	8.0000000		S	B O-RI
NG									
.1	0025	TAP-M17A1-0010	U	TAPE,EMI,CONDUCTIVE,W50*L80*t0.05mm	PS	2.0000000		S	B
.1	0026	WIL-AT181-BM01	U	WIRE-ASS'Y,M/B-BTN(MEMBRANCE CTL),AT181H1-	PS	1.0000000		S	B

				AA				
.1	0027	WIL-AT181-IV01		WIRE-ASS'Y,M/B-INVERTER,AT181H1-AA	PS	1.0000000	S	B
.1	0028	WIL-AT181-LC21	U	WIRE-ASS'Y,M/B-LCD,21P-32P,AT181L1-AA	PS	1.0000000	S	B
.1	0029	WIL-AT181-LC31	U	WIRE-ASS'Y,M/B-LCD,5P-8P,AT181L1-AA	PS	1.0000000	S	B

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 CA3-AT181-2006 TO CA3-AT181-2006 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
CA3-AT181-2006	ASS'Y SUPPORT LCD,F89017M9,W/V7 LOGO,PW164,AT181L1-AA-V7	ST
M P V0.2		

LEVEL	ITEM	SUB	COM PART NO	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	M	POSITION
.1	0001	BRA-AT181-1030	U	METAL,LCD,EMI COVER,AT181H1-AA		PS	1.0000000	S	B	
.1	0002	BRA-AT181-2010	U	METAL,SUPPORT,FRONT BRACKET,F89017M9/PA-758,AT181H1-AA		PS	1.0000000	S	B	
.1	0003	COV-AT181-2010	U	PLASTIC,SUPPORT,O-RING,F89017M9/PA-758,AT181H1-AA/AT181L1-AA		PS	1.0000000	S	B	
.1	0004	COV-AT181-3020		PLASTIC,SUPPORT,REAR BEZEL,F89017M9,AT181H1-AA-V7/AT181L1-AA-V7		PS	1.0000000	S	B	
.1	0005	COV-AT181-3080	U	PLASTIC,SUPPORT,REAR COVER,W/V7 LOGO,F89017M9,AT181H1-AA-V7/AT181L1-AA-V7(B-K.K)		PS	1.0000000	P S	B	
.1	0006	PAF-AT181-0201		ASS'Y PCB FINAL,A/B,V20,AT181H1 SERIES		ST	1.0000000	P	B	

.1	0007	PMF-MA172-A019		ASS'Y PCB FINAL,M/B,VA0,AT181L1-AA (KING KUNG)	ST	1.0000000	P	B		
.1	0008	SPK-AT181-1010	U	SPEAKER,FG-40N020H8,8 OHM,d40*20,1W,FORTUNE GRAND,AT181H1	PS	1.0000000	S	B		
.1	0009	SR0-00153-0040	U	SCREW-MM-PAN-ZNC-3*4	PS	11.0000000	P	S	B	EMI COVER*9,FIXED WIRE CLIP*2
.1	0010	SR0-00153-0060	U	SCREW-MM-PAN-ZNC-3*6	PS	14.0000000	P	S	B	SUPPORT FRONT BRACKET*6, M/B*4,REAR COVER DOWN/TOP*4
.1	0011	SR1-00122-0070	U	SCREW-TB-PAN-BK-2*7	PS	4.0000000		S	B	SPEAKER
.1	0012	SR1-00153-0080		SCREW-TB-PAN-ZNC-3*8	PS	3.0000000		S	B	AUDIO BOARD
.1	0013	SR3-40153-0040	U	SCREW-TP-TRU-ZNC-3*4	PS	8.0000000		S	B	O-RING
.1	0014	WIL-AT181-MA01		WIRE-ASS'Y,M/B-A/B,AT181H1-AA	PS	1.0000000		S	B	

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 PAF-AT181-0201 TO PAF-AT181-0201 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
- - -------		
PAF-AT181-0201	ASS'Y PCB FINAL,A/B,V20,AT181H1 SERIES	ST
B P V0.5		

LEVEL	ITEM	SUB	COM PART NO	M	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	POSITION
.1	0001	CAP-10U00-3FA3			CAP,10uF,+/-20%,DIP 180。 5*11,EC,16V,LEG= 3-3.5mm		PS	2.0000000	P S B	C16, C20
.1	0002	CNN-P002W-2201			CNN,2002P0200T,2.0,DIP 180。,1 ROW		PS	1.0000000	S B	CON1
.1	0003	CNN-P003H-0203			CNN,MOJ-B56,AUDIO JACK,3PIN,DIP 180。		PS	1.0000000	S B	J1
.1	0004	CNN-P006W-3202		U	CNN,HEADER,6PIN,2.54,DIP 90°,2 ROW,6P-N4, LANDWIN		PS	1.0000000	P S B	CON2
.1	0005	FLU-11111-0010	*		FLUX,20 CM3,ALL MODEL		CC	1.1890000	P S B	
.1	0006	PAS-AT181-0201			ASS'Y PCB SMT,A/B,V20,AT181H1 SERIES		ST	1.0000000	P P B	

		*				
.1	0007	SOL-11111-0010	SOLDER,BAR,ALL MODEL	G	0.5630000	P S B
		*				

附註: 無重覆之插件位置.

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 PAS-AT181-0201 TO PAS-AT181-0201 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
- - -------		
PAS-AT181-0201	ASS'Y PCB SMT,A/B,V20,AT181H1 SERIES	ST
B P V0.5A		

LEVEL	ITEM	COM SUB PART NO	DESCRIPTION	VENDOR	UM	QTYPER	M TYPEB	POSITION
.1	0001	CAP-0R01U-2120	CAP,0.01uF,+/-10%,SMD 0603,CHIP		PS	2.0000000	S B	C17, C21
.1	0002	CAP-1000P-2120	CAP,1000pF,+/-10%,SMD 0603,CHIP		PS	4.0000000	S B	C18, C19,C22,C23
.1	0003	CAP-10P00-2120	CAP,10pF,+/-10%,SMD 0603,CHIP		PS	2.0000000	S B	C11, C28
.1	0004	CAP-1U000-2323	CAP,1uF,+/-10%,SMD 0805,CHIP,16V		PS	6.0000000	S B	C13-C15,C25,C26,C27
.1	0005	IC9-TPA0202-31	IC,TPA0202,TSSOP-24PIN,5V,SMD,TI		PS	1.0000000 P	S B	U1

		*IC9-APA2020-31	U	IC,APA2020A,TSSOP-24PIN,3V&5V,SMD,STEREO 2W,AMPLIF					
.1	0006	PCB-AT181-AB20 *		PCB,A/B,V20,KUOTIANG,AT181H1 SERIES	PS	1.0000000	P	S	B
.1	0007	RES-00000-1121		RES,0 OHM,+/-5%,SMD,CHIP,0603	PS	3.0000000		S	B R6,R12,R13
.1	0008	RES-0001K-1121		RES,1K,+/-5%,SMD,CHIP,0603	PS	1.0000000		S	B R7
.1	0009	RES-0010K-1121		RES,10K,+/-5%,SMD,CHIP,0603	PS	2.0000000		S	B R3,R9
.1	0010	RES-0020K-1121		RES,20K,+/-5%,SMD,CHIP,0603	PS	2.0000000		S	B R4,R8
.1	0011	RES-0022K-1121		RES,22K,+/-5%,SMD,CHIP,0603	PS	2.0000000		S	B R1,R11
.1	0012	RES-0100K-1121		RES,100K,+/-5%,SMD,CHIP,0603	PS	2.0000000		S	B R2,R10
.1	0013	SOL-11111-1010 *		SOLDER,WIRE,RSN63A-S2,0.6mm	G	1.0000000		S	B

附註: 無重覆之插件位置.

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 PMF-MA172-A019 TO PMF-MA172-A019 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
PMF-MA172-A019	ASS'Y PCB FINAL,M/B,VA0,AT181L1-AA (KING KUNG)	ST
B P V0.1		

LEVEL	ITEM	COM SUB PART NO	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	POSITION
.1	0001	BED-R6H63-TS01	BEAD,R6H6*10*0.85-3Ts,DIP,KING-CORE		PS	1.0000000	P S B	FB7
.1	0002	CAP-220U0-32A4 U	CAP,220uF,+/-20%,DIP 8*11,EC,25V,LEG=3-3.5mm		PS	1.0000000	P S B	C319
.1	0003	CAP-220U0-3HA3	CAP,220uF,+/-20%,DIP 180。 6.3*11,EC,16V,LEG=3-3.5mm		PS	3.0000000	P S B	C36,C52,C55
.1	0004	CAP-22U00-3FA3 U	CAP,22uF,+/-20%,DIP 5*11,EC,16V,LEG=3-3.5mm		PS	12.0000000	P S B	C51,C54,C88,C126,C127,C130,C136,C151,C162,C168,C170,C175

.1	0005	CAP-470U0-3J53	U	CAP,470uF,+/-20%,DIP 8*11 180。,LZ,16V		PS	4.0000000		S	B C178,C179,C185,C186
.1	0006	CAP-470U0-3JA3		CAP,470uF,+/-20%,DIP 8*11 180。,EC,16V,LEG=3-3.5mm		PS	2.0000000	P	S	B C166,C173
.1	0007	CAP-47U00-3HA5		CAP,47uF,+/-20%,DIP 6.3*11 180。,EC,50V,LEG=3-3.5mm		PS	3.0000000	P	S	B C182,C184,C188
.1	0008	CNN-P001H-3401		CNN,DJ-0702-025,DC JACK,2.5,L9*H11mm,DIP R/A,JT		PS	1.0000000		S	B J8
.1	0009	CNN-P002W-2201		CNN,2002P0200T,2.0,DIP 180。,1 ROW		PS	1.0000000		S	B J16
.1	0010	CNN-P004W-3202		CNN,HEADER,4PIN,2.54,DIP 180°,1 ROW	揚麟	PS	1.0000000	P	S	B JP1
.1	0011	CNN-P007W-2201		CNN,2002P0700T,7PIN,2.0,DIP 180°,1 ROW,LANDWIN		PS	1.0000000		S	B J7
.1	0012	CNN-P008W-2201		CNN,2002P0800T,8PIN,2.0,DIP 180°,1 ROW,LANDWIN		PS	1.0000000		S	B J15
.1	0013	CNN-P012W-2201	U	CNN,HEADER,12PIN,2.0,DIP 180。,2 ROW,LANDWIN		PS	1.0000000		S	B J10
.1	0014	CNN-P015H-0401		CNN,103A-15FSTBBB2,15PIN,D-SUB H/D,VGA PC99,DIP 90。,3 ROW,CHANT SINCERE		PS	1.0000000		S	B J2
.1	0015	CNN-P032W-2203	U	CNN,HEADER,32PIN,2.0,DIP 180°,2 ROW		PS	1.0000000	P	S	B J14
.1	0016	DID-N5822-2601		DIODE,1N5822,40V,3A,DIP,2PIN,GO TOP		PS	1.0000000	P	S	B D18
.1	0017	FLU-11111-0010		FLUX,20 CM3,ALL MODEL		CC	1.0000000		S	B
		*								
.1	0018	PMS-MA172-A019		ASS'Y PCB SMT,M/B,VA0,AT181L1-AA		ST	1.0000000		P	B
		*								
.1	0019	SOL-11111-0010		SOLDER,BAR,ALL MODEL		G	1.0000000		S	B
		*								
.1	0020	SPR-MA172-6030		SPRING,EMI,TOUCH UP,AT17X SERIES/AT181H1		PS	2.0000000		S	B
		*								
.1	0021	WIL-11111-1010	U	WIRE,JUMPER,2.54mm		PS	1.0000000		S	B JP7

.1	0022 XT1-000016M-21	CRYSTAL,16.00 MHz,49US,DIP,+/-50ppm,30P,NSK	PS	1.0000000	S B Y2	

附註: 無重覆之插件位置.

** ** End of Report ** **

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 1
04/07/2001 PMS-MA172-A019 TO PMS-MA172-A019 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO	DESCRIPTION	U/M
M /B TYPE VERSION		
PMS-MA172-A019	ASS'Y PCB SMT,M/B,VA0,AT181L1-AA	ST
B P V0.2		

LEVEL	ITEM	SUB	COM PART NO	DESCRIPTION	VENDOR	UM	QTYPER	TYPEB	M POSITION
.1	0001		BED-090L1-6601	BEAD,FBM-11-453215-900A,SMD,4532,LOW,KING-		PS	5.0000000	P S B	FB1-FB4,L23
				CORE					
		*	BED-121M1-6601	BEAD,GT4532GA121H,SMD,4532,MID,GOTOP					
.1	0002		BED-102M1-1001	BEAD,FBM-10-160808-102,SMD,0603,MID,KING-C		PS	3.0000000	S B	L11, L13,L24
				ORE					
.1	0003		BED-121M1-1002	BEAD,FBM-10-160808-121,SMD,0603,MID,KING-C		PS	9.0000000	P S B	L1,L3-L6,L14,R26,R51,R83
				ORE					

.1	0004	BED-221L1-1001	BEAD,FBM-11-160808-221T,SMD,0603,LOW,KING-CORE	PS	1.0000000	P	S	B	R42
.1	0005	CAP-0R01U-2124	CAP,0.01uF,+/-10%,SMD 0603,CHIP,25V	PS	4.0000000		S	B	C198,C201,C303,C307
.1	0006	CAP-0R1U0-2124	CAP,0.1uF,+/-10%,SMD 0603,CHIP,25V	PS	127.0000000	P	S	B	C1,C15,C17,C20,C37,C44,C45,C53,C56,C59-C73,C76-C80,C83-C87,C92-C95,C115-C125,C131-C135,C137-C150,C152-C161,C163-C165,C167,C169,C171,C174,C176,C177,C180,C181,C183,C187,C195,C199,C200,C205-C211,C244,C245,C274-C277,C294,C296,C298,C300-C302,C304-C306,C308-C313,C172,C316,C318,C320-C322 *
.1	0007	CAP-100P0-2120	CAP,100pF,+/-10%,SMD 0603,CHIP	PS	17.0000000	P	S	B	C10,C11,C27,C28,C31-C33,C269-C272,C295,C297,299,C327,C330,C331

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.1    0008 CAP-10P00-2120       CAP,10pF,+/-10%,SMD 0603,CHIP                    PS    97.0000000   S B C103
,CP1-CP96
.1    0009 CAP-150P0-2120       CAP,150pF,+/-10%,SMD 0603,CHIP                   PS     1.0000000   S B C102
.1    0010 CAP-180P0-2120       CAP,180pF,+/-10%,SMD 0603,CHIP                   PS     4.0000000   S B C39-
C41,C128
.1    0011 CAP-18P00-2125       CAP,18pF,+/-10%,SMD 0603,CHIP,50V                PS     2.0000000   S B C111
,C112
.1    0012 CAP-30P00-2120       CAP,30pF,+/-10%,SMD 0603,CHIP                    PS     2.0000000   S B C314
,C315
.1    0013 CAP-330P0-2120       CAP,330pF,+/-10%,SMD 0603,CHIP                   PS    15.0000000 P S B C46-
C50,C278-C285,C323,C326
.1    0014 CAP-33P00-2120       CAP,33pF,+/-10%,SMD 0603,CHIP                    PS   107.0000000 P S B CP97
-CP144,C212-C243,C246-C265,
                                                                                                        C196
,C202,C324,C325,C34,C332,
                                                                                                        C333
.1    0015 CAP-3900P-1123       CAP,3.9nF,+/-5%,SMD 0603,CHIP,16V                PS     1.0000000   S B C57
.1    0016 CAP-47P00-2120       CAP,47pF,+/-10%,SMD 0603,CHIP                    PS    31.0000000 P S B C18,
C19,C24,C25,
                                                                                                        C104
-C109,C113,C114,CP145-CP160,
                                                                                                        C328
,C329,C317
.1    0017 CAP-R039U-1123       CAP,0.039uF,+/-5%,SMD 0603,CHIP,16V              PS     1.0000000   S B C58
.1    0018 CAP-R047U-2120       CAP,0.047uF,+/-10%,SMD 0603,CHIP                 PS    10.0000000   S B C74,
C75,C81,C82,C91,C98,C99,
                                                                                                        C100
,C101,C110
.1    0019 DID-AV99L-1601       DIODE,BAV99L,3PIN,SMD,3mA,50V                    PS    13.0000000   S B D2-D
9,D11-D15
.1    0020 DID-N4148-1101       DIODE,1N4148,BAS32L,MELF,SMD,2PIN,TFK(VISH       PS     2.0000000   S B D1,D
```

10
AY TELEFUNKEN),AU-14R01
.1 0021 DID-ZS56B-4101 DIODE,ZENER,UDZS5.6,UMD2,2PIN,SQUARE TYPE PS 2.0000000 S B D16,
D17
Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.
Page No. 2
04/07/2001 PMS-MA172-A019 TO PMS-MA172-A019 BOM EXPLOSION
Rept.# BOM201

PARENT PART NO DESCRIPTION U/M
M /B TYPE VERSION

- - -------
PMS-MA172-A019 ASS'Y PCB SMT,M/B,VA0,AT181L1-AA ST
B P V0.2

COM PART NO M

LEVEL ITEM SUB PART NO DESCRIPTION VENDOR UM QTYPER TYPEB POSI
TION
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.1 0022 IC0-00PW164-21 U IC,PW164,BGA256PIN,3.3V,SMD,FUJITSU PS 1.0000000 S B U13
.1 0023 IC1-AME8810-21 IC,REGULATOR,AME8810AEGT,SOT223,3.3V,600mA PS 2.0000000 S B U8,U
9
,ANALOG MICROELECTRONICS
.1 0024 IC4-C758525-21 IC,AMC7585-2.5ST,3PIN,TO263,2.5V,SMD,AMC PS 1.0000000 S B U18
.1 0025 IC4-C758533-21 IC,AMC7585-3.3ST,3PIN,TO263,3.3V,SMD,AMC PS 1.0000000 S B U20
.1 0026 IC4-LM25965-31 IC,LM2596-5.0,TO263,5V,SMD,NS PS 1.0000000 S B U21

.1	0027	IC5-024LC21-31		IC,24LC21,SOP-8PIN,5V,SMD,ATMEL	PS	1.0000000		S	B U1
.1	0028	IC5-0DS1708-21		IC,DS1708,SOP-8PIN,3.3V,SMD,DALLAS	PS	1.0000000		S	B U17
.1	0029	IC5-0ICS501-21		IC,ICS501M,SOP-8PIN,3.3V,SMD,ICS	PS	1.0000000	P	S	B U26
.1	0030	IC5-0SI9433-51		IC,SI9433DY,SOP-8PIN,20V,SMD,SILIC	PS	2.0000000		S	B U19, U31
		*IC5-0SI9433-52	U	IC,SI9433DY,SOP-8PIN,20V,SMD,CET					
.1	0031	IC5-24LC16B-21		IC,EPPROM,24LC16B,SOP-8PIN,2.5V-5.5V,SMD,ATMEL	PS	1.0000000		S	B U15
.1	0032	IC5-74ACT32-31		IC,SN74ACT32DR,SOP-14PIN,5V,SMD,TI	PS	1.0000000		S	B U16
.1	0033	IC5-ICS512M-21		IC,ICS512M,PLL,SOP-8PIN,3.3V,ICS	PS	1.0000000		S	B U25
.1	0034	IC8-AD9884A-21		IC,AD9884A,140Mpps,MQFP,128PIN,SMD,3.3V,ADI	PS	1.0000000		S	B U10
.1	0035	IC9-400TC90-21		IC,MBM29LV400TC-90,TSSOP,FLASH MEMORY,3.3V,4M BIT,FUJITSU	PS	1.0000000		S	B U14
.1	0036	IC9-4LVC126-21		IC,SN74LVC126APWR,TSSOP-14PIN,3.3V,SMD,TI	PS	2.0000000		S	B U3,U7
.1	0037	IC9-74LVC74-21		IC,74LVC74APW,TSSOP-14PIN,3.3V,SMD,PHILIPS	PS	1.0000000		S	B U6
.1	0038	IC9-90CF383-21		IC,DS90C383AMTD,TSSOP-56PIN,3.3V,SMD,NS	PS	2.0000000		S	B U28, U29
.1	0039	ICA-62334FP-31	U	IC,M62334FP,8-BIT,4CH I2C BUS,D-A,SSOP-8PIN,SMD,5V,MITSUBISHI	PS	1.0000000		S	B U30
.1	0040	IND-0033U-1001		INDUCTOR,33uH,SDRH127G5-330M,SMD,SUMIDA	PS	1.0000000		S	B L16
.1	0041	PCB-MA172-MBA0 *		PCB,M/B,VA0,SHIN HO,AT17X/IY17X/AT18X SERIES	PS	1.0000000		S	B
.1	0042	RA0-00022-1123		RES ARRAY,22 OHM,8PIN4R,+/-5%,SMD,CHIP,1206	PS	12.0000000		S	B RP29-RP40
.1	0043	RA0-00033-1123		RES ARRAY,33 OHM,8PIN4R,+/-5%,SMD,CHIP,120	PS	12.0000000		S	B RP13-RP24

6

.1 0044 RES-00000-1121 RES,0 OHM,+/-5%,SMD,CHIP,0603 PS 25.0000000 P S B R64, R65,R110-R119,R121,R122,R132 ,R18 ,R19,R283,R292,R6-R9,R12,R13

.1 0045 RES-00018-3121 RES,18 OHM,+/-1%,SMD,CHIP,0603 PS 4.0000000 S B R35-R37,R46

.1 0046 RES-0001K-1121 RES,1K,+/-5%,SMD,CHIP,0603 PS 4.0000000 S B R58, R61,R81,R82

.1 0047 RES-00022-1121 RES,22 OHM,+/-5%,SMD,CHIP,0603 PS 50.0000000 S B R108 ,R109,R135-R182

.1 0048 RES-0002K-1121 RES,2K,+/-5%,SMD,CHIP,0603 PS 3.0000000 P S B R24, R25,R288

.1 0049 RES-00047-1121 RES,47 OHM,+/-5%,SMD,CHIP,0603 PS 14.0000000 P S B R32, R34,R41,R43-R45,R52-R54, R68, R71,R97,R104,R31

.1 0050 RES-00056-3121 RES,56 OHM,+/-1%,SMD,CHIP,0603 PS 4.0000000 S B R38-R40,R47

.1 0051 RES-00075-3121 RES,75 OHM,+/-1%,SMD,CHIP,0603 PS 3.0000000 S B R14-R16

.1 0052 RES-00100-1121 RES,100 OHM,+/-5%,SMD,CHIP,0603 PS 7.0000000 S B R10, R17,R103,R105,R289-R291

Run Date DATA RANGE: PRO ARCH TECHNOLOGY INC.

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PARENT PART NO DESCRIPTION U/M

M /B TYPE VERSION

PMS-MA172-A019 ASS'Y PCB SMT,M/B,VA0,AT181L1-AA ST
B P V0.2

LEVEL	ITEM	COM SUB	PART NO	DESCRIPTION	VENDOR	UM	QTYPER	M TYPEB	POSITION
.1	0053		RES-0010K-1121	RES,10K,+/-5%,SMD,CHIP,0603		PS	18.0000000	S B	R1-R5,R29,R48,R49,R66,R98-R102,R124,R125,R296,R298
.1	0054		RES-00150-1121	RES,150 OHM,+/-5%,SMD,CHIP,0603		PS	3.0000000	S B	R23 *
.1	0055		RES-0015K-1121	RES,15K,+/-5%,SMD,CHIP,0603		PS	1.0000000	S B	R187
.1	0056		RES-00330-1121	RES,330 OHM,+/-5%,SMD,CHIP,0603		PS	1.0000000	S B	R285
.1	0057		RES-00470-1121	RES,470 OHM,+/-5%,SMD,CHIP,0603		PS	3.0000000	S B	R76,R79,R287
.1	0058		RES-00560-1121	RES,560 OHM,+/-5%,SMD,CHIP,0603		PS	1.0000000	S B	R27
.1	0059		RES-00680-1121	RES,680 OHM,+/-5%,SMD,CHIP,0603		PS	1.0000000	S B	R120
.1	0060		RES-0100K-1121	RES,100K,+/-5%,SMD,CHIP,0603		PS	1.0000000	S B	R33
.1	0061		RES-0330K-1121	RES,330K,+/-5%,SMD,CHIP,0603		PS	1.0000000	S B	R30
.1	0062		RES-03R3K-1121	RES,3.3K,+/-5%,SMD,CHIP,0603		PS	14.0000000	S B	R28,R50,R55,R56,R67,R69,R70,R73,R74,R75,R77,R78,R86,R87 *
.1	0063		RES-04R7K-1121	RES,4.7K,+/-5%,SMD,CHIP,0603		PS	7.0000000	P S B	R11,

R62,R63,R72,R80,R293,R294
.1 0064 SOL-11111-1010 SOLDER,WIRE,RSN63A-S2,0.6mm G 1.0000000 S B
*
.1 0065 TRS-N3904-1101 TRANSISTOR,2N3904,NPN,SOT23,SMD,LITE-ON PS 6.0000000 P S B Q1,Q
2,Q4,Q5,Q7,Q8
.1 0066 TRS-N3906-2101 TRANSISTOR,2N3906,PNP,SOT23,SMD,LITE-ON PS 1.0000000 S B Q3

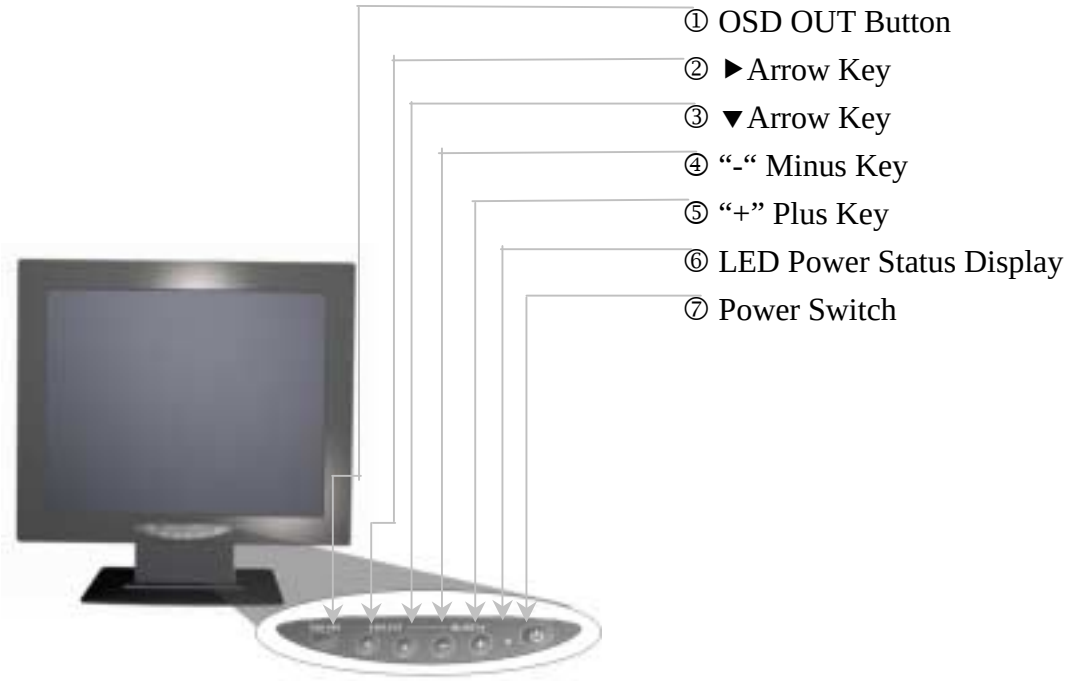
附註: 無重覆之插件位置.

** ** End of Report ** **

Chapter 4 The Features Of OSD

- **Operating the Monitor**
- **User Mode Operation of OSD**

Operating the Monitor



① OSD OUT Button	:	Exit the OSD(On Screen Display.
②▶Arrow Key	:	Press to bring up the On Screen Display and select sub menu items.
③▼Arrow Key	:	Press to bring up the On Screen Display and select main menu items.
④"-" Minus Key	:	Adjust setting bars of Contrast, Brightness ..etc. to decrease setting values.
⑤"+" Plus Key	:	a) Adjust settings bars as Contrast, Brightness ..etc. to increase setting values. b) Start Auto Adjustment in AUTO SETUP screen.

⑥ LED Power Status Display:

Green – Normal operation

Amber – Power Management(i.e. DPMS mode which can reduce power consumption to less than 5W while receiving no horizontal and/or vertical sync signal)

⑦ Power Switch : For power-on and power-off the monitor

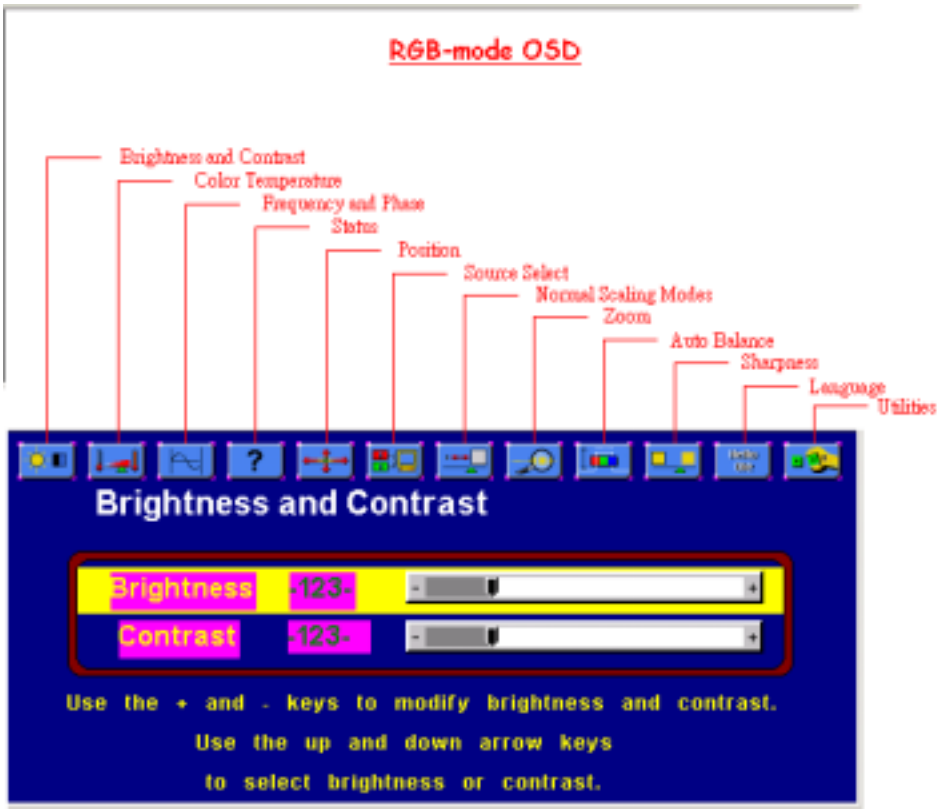
User Mode Operation Of OSD

Press OSD Button Repeatedly, each consecutive menu will be displayed recursively according to the following order.

1) Press OSD button, the “Brightness and Contrast” menu is displayed first.

OSD Button

2) Press OSD button again, the consecutive menus will be displayed recursively according to the following graph.

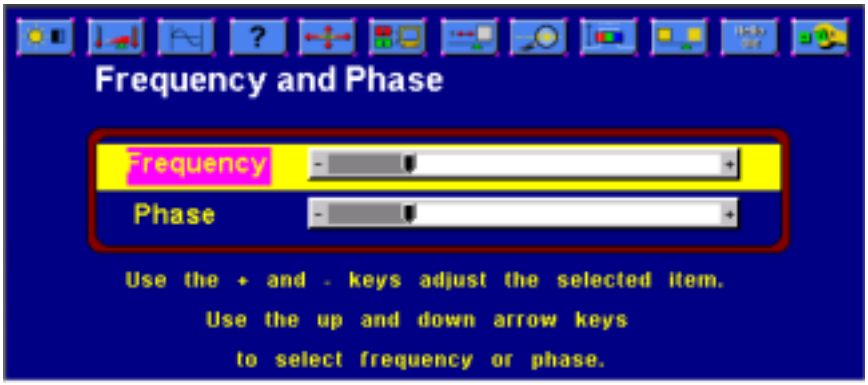


3) Menu detail:

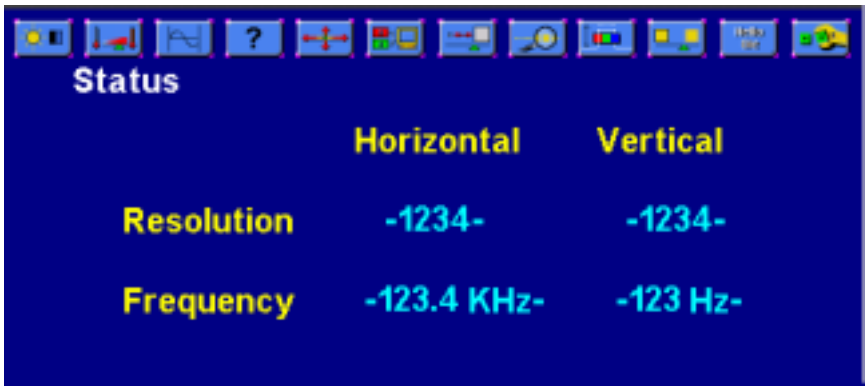
3.1 Brightness and Contrast : as shown above.

3.2 Color Temperature

3.3 Frequency and Phase



3.4 Status

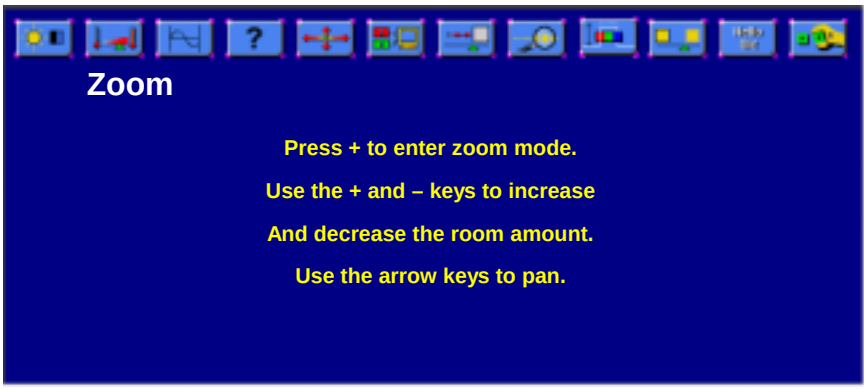


3.5 Position : There is no such menu in Digital Mode selection.

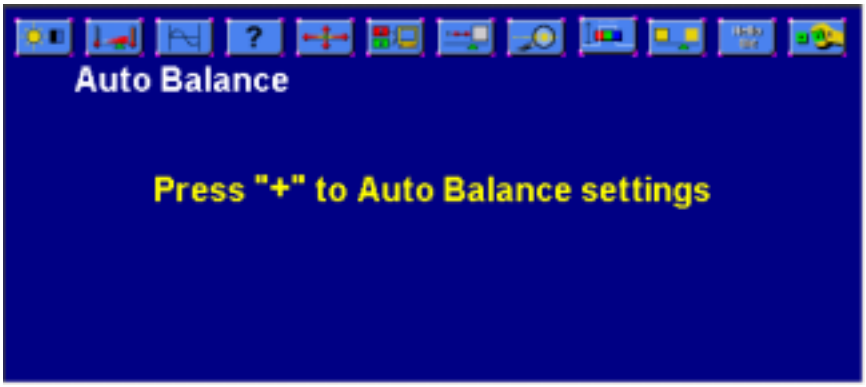
3.6 Source Select

3.7 Normal Scaling Modes

3.8 Zoom



3.9 Auto Balance

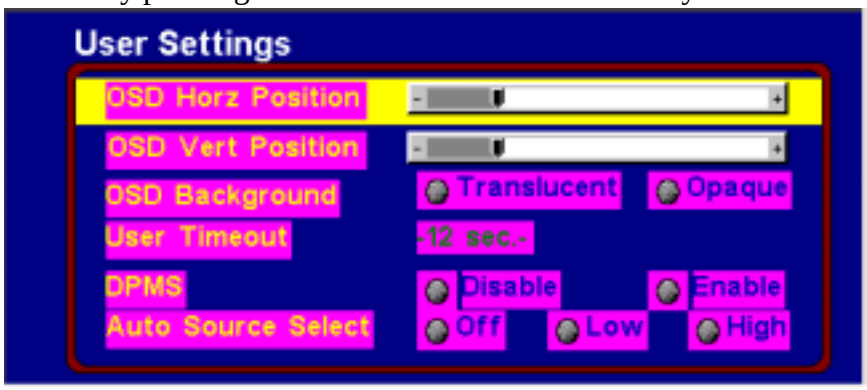


3.10 Sharpness

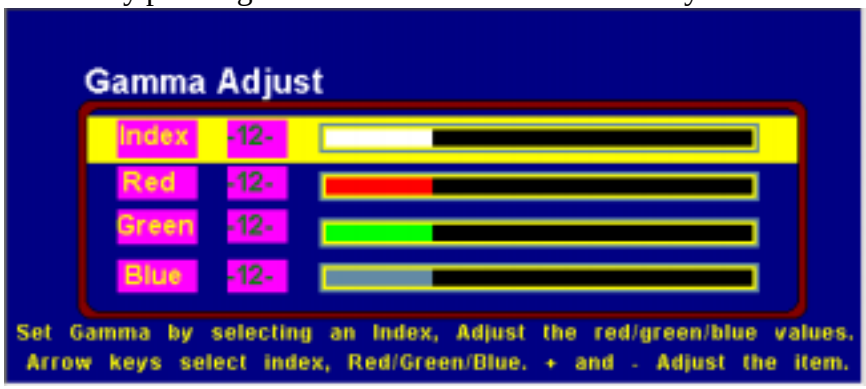
3.11 Language

3.12 Utilities

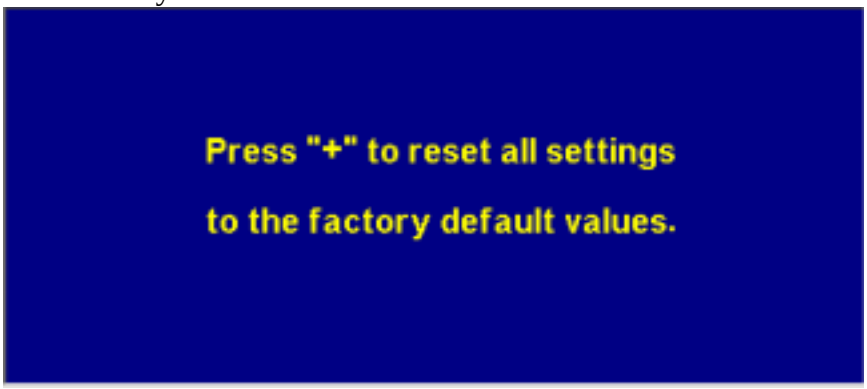
3.13 User Settings : Move the scroll bar to “User Setting” item and select it by pressing “+” button under the above Utility menu.



3.14 Gamma Adjust :Move the scroll bar to “Gamma Adjust” item and select it by pressing “+” button under the above Utility menu.

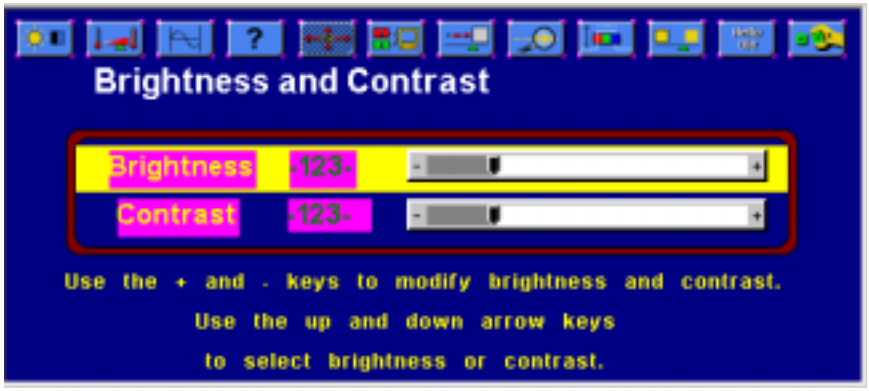


3.15 Reset to factory defaults: Move the scroll bar to “Reset to factory defaults” item and select it by pressing “+” button under the above Utility menu.

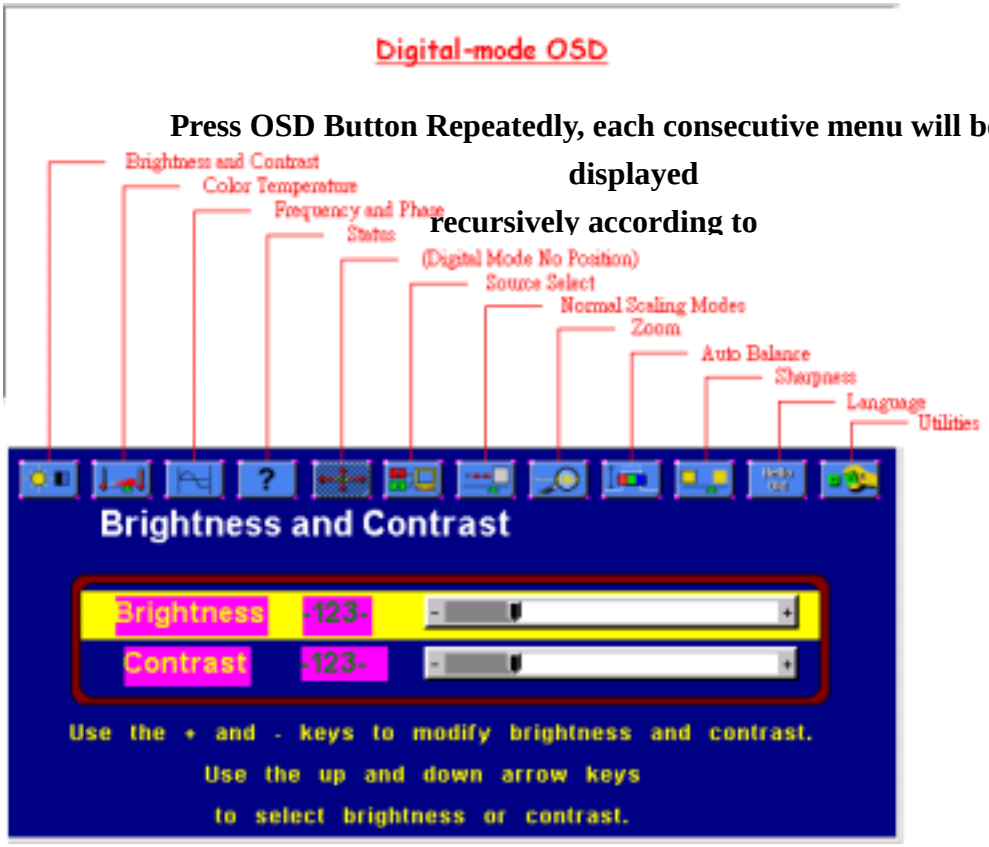


3.16 No Signal : If the interfaces that you have chosen under the source Select Menu are not connected, “No Signal” will be displayed in the screen.

4) Digital-Mode OSD: The following menu is displayed by pressing OSD button while Digital interface is used, selected and connected.



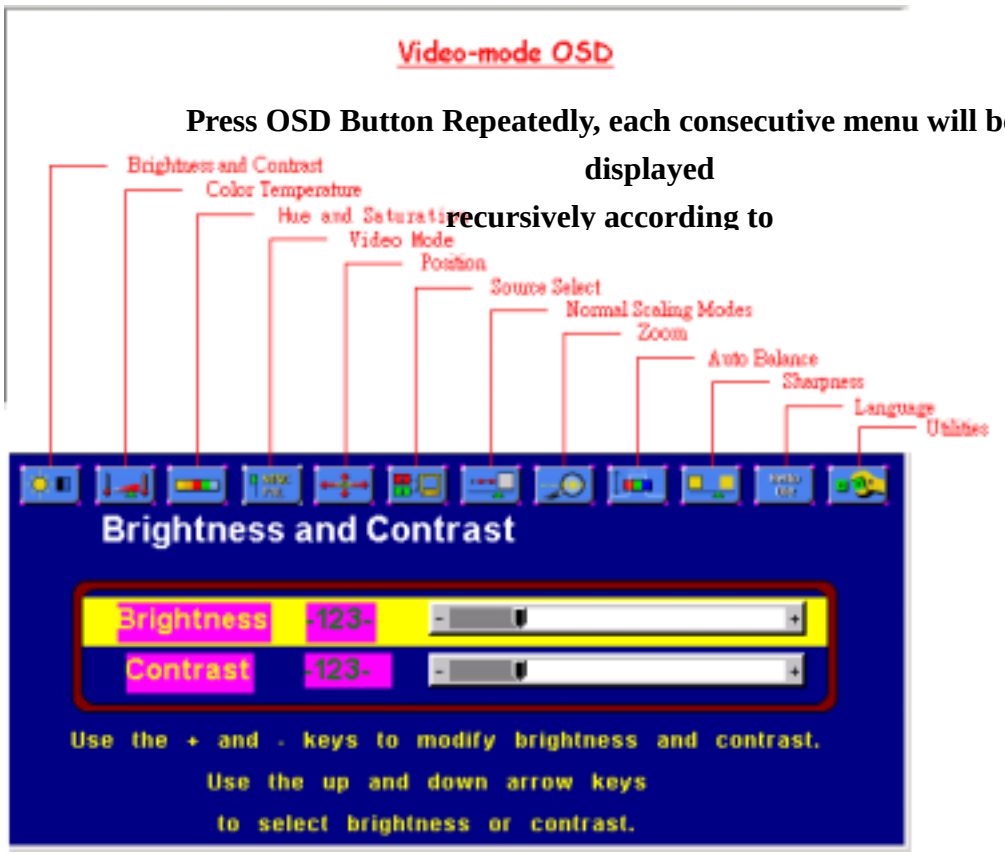
4.1 Press OSD button again, the consecutive menus will be displayed recursively according to the following graph.



4.2 The other menus under Digital-Mode OSD have the same operation procedures as RGB-Mode OSD. There is no Position Menu under Digital-Mode OSD and the corresponding icon will be
hatched by slanted lines.

5) Video-Mode OSD : The following menu is displayed by pressing OSD
button while Video interface is used, selected and connected.

5.1 Press OSD button again, the consecutive menus will be displayed recursively according to the following graph.

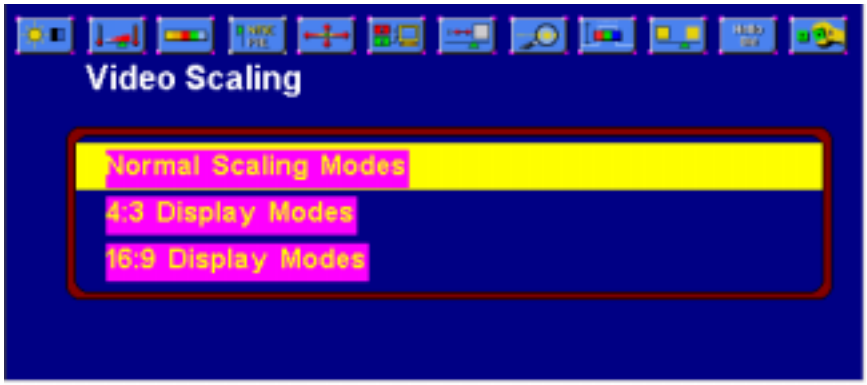


5.2 The other menus under Video-Mode OSD have the same operation procedures as those having the same menu names under RGB-Mode OSD except the “Normal Scaling Modes” Menu.

5.3 The “Frequency and Phase” Menu under RGB-Mode OSD is replaced by “Hue and Saturation” Menu.

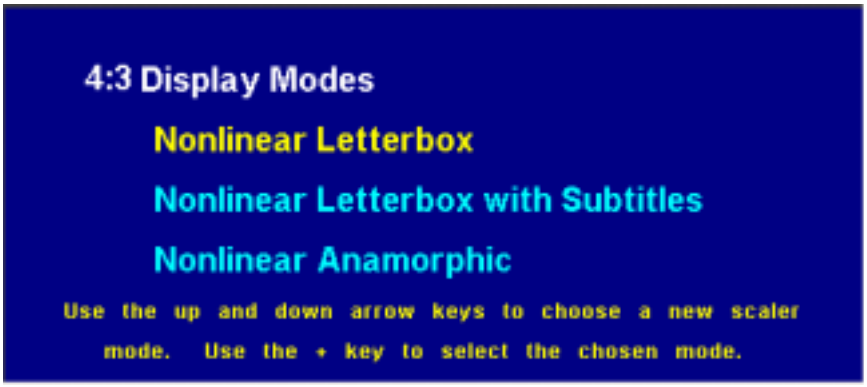
5.4 Menus different from those which in RGB-Mode OSD and Digital-Mode OSD.

5.4.1 Normal Scaling Modes

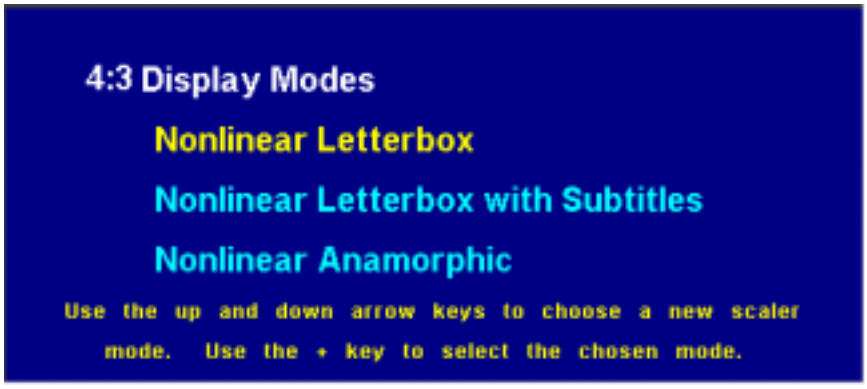


5.4.1.1 Normal Scaling Modes : the same as in RGB-Mode OSD.

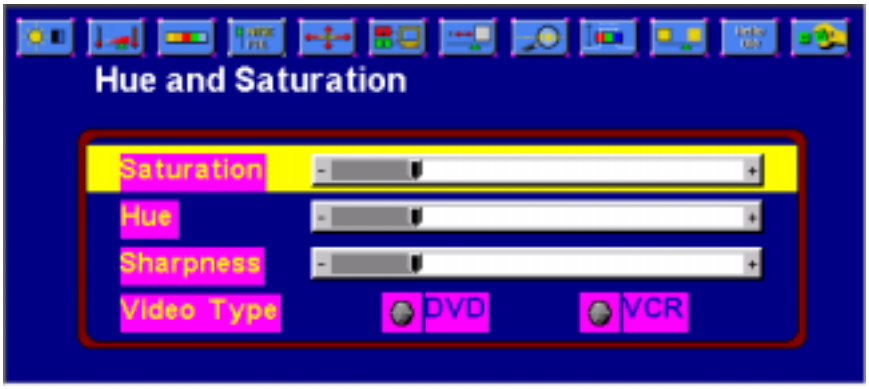
5.4.1.2 4:3 Display Modes : Move the scroll bar to “ 4:3 Display Modes” item and select it by pressing “+” button under the above Utility menu.



5.4.1.3 16:9 Display Modes: Move the scroll bar to “ 16:9 Display Modes” item and select it by pressing “+” button under the above Utility menu.



5.4.2 Hue and Saturation



5.4.3 Video Mode

6) DPMS : This LCD monitor support DPMS function. The following are the corresponding displays while DPMS related parameters are set in your PC.

6.1 DPMS Off : if DPMS is set to off mode.

6.2 DPMS Standby : if DPMS is set to standby mode.

6.3 DPMS Suspend : if DPMS is set to suspend mode.

7) Other Menus

7.1 Out of Range : The monitor will display the Out of Range screen while the input from a host is beyond the settable range(e.g. resolution, V-Sync and H-Sync frequency).

7.2 Auto in Progress **:** Press “-” button under the Select Source menu and the monitor will display the following. The position, phase and clock of the monitor will be auto-adjusted.