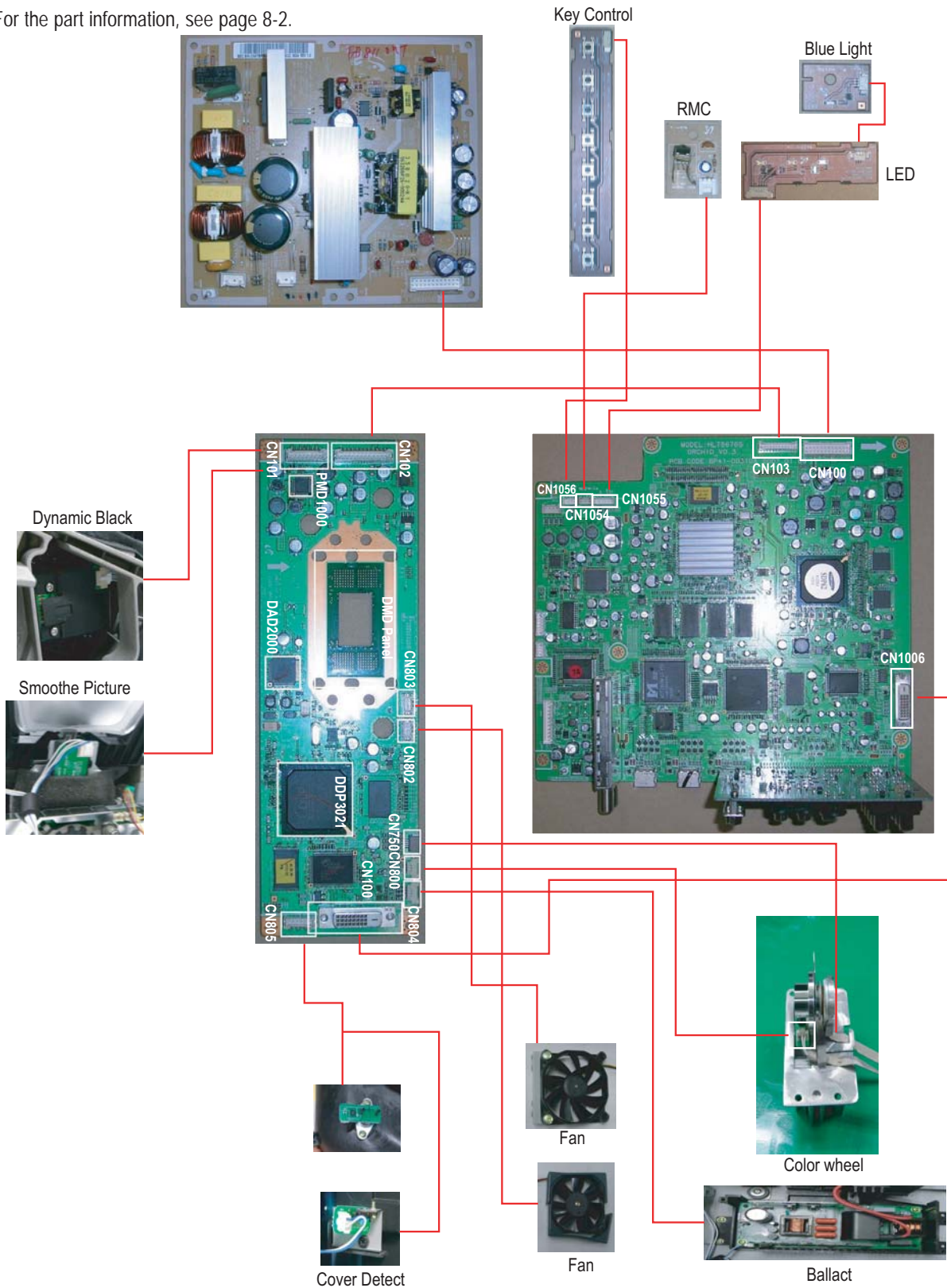


# 8. Wiring Diagram


## 8-1 Overall Wiring

※ For the part information, see page 8-2.



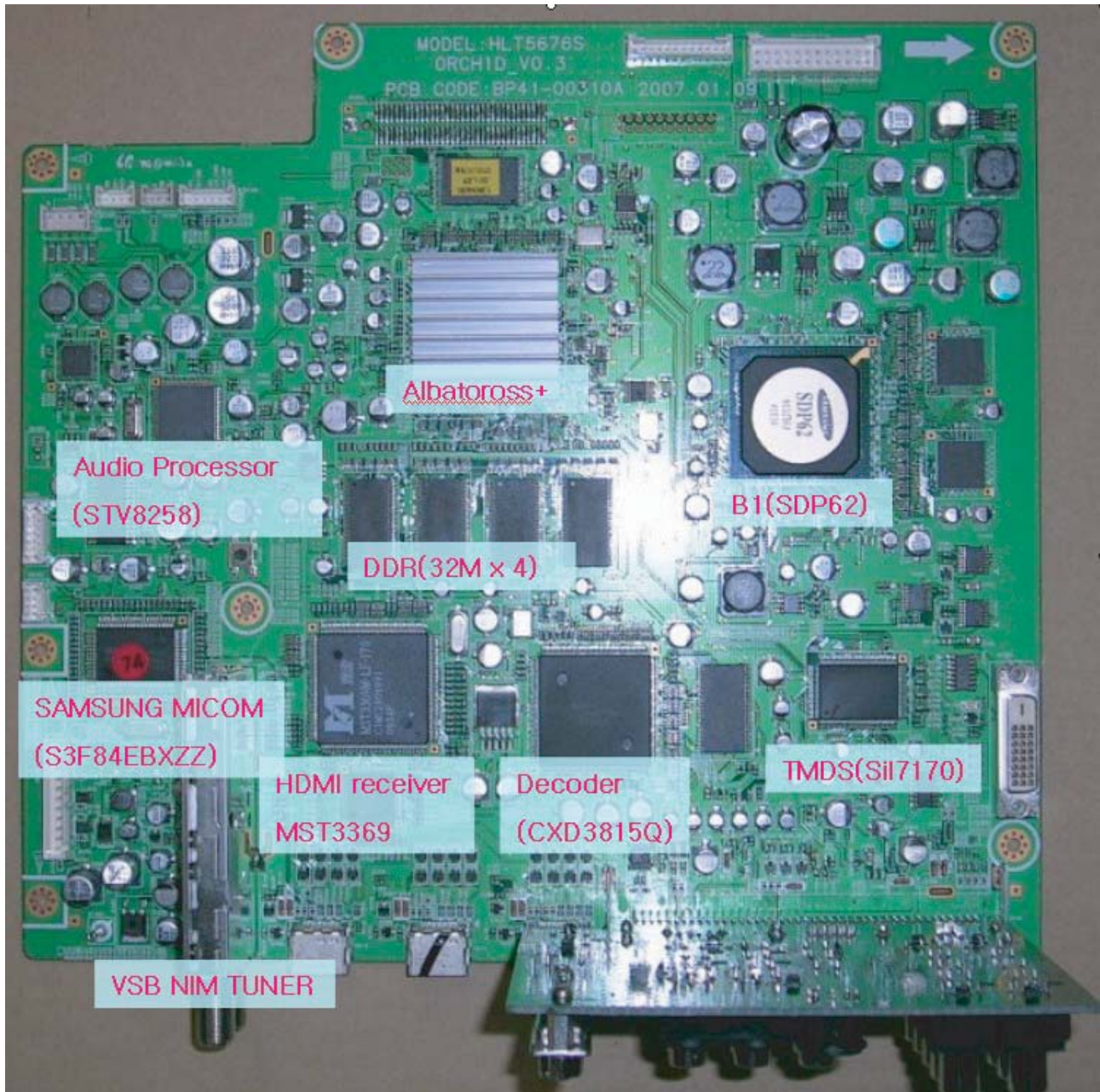
### 8-1-2 Connect Cables

※ The code number of cable(Lead-connector) can be changed, see "5 Chapter. Electrical Part List."

Use	LED_indicator 6p	LED_Blue 3p	RMC 3P
Code	BP39-00258A	BP39-00259A	BP39-00261A
Photo			
Use	Key Control 4P	Ground discharge cable 1p	Power 24p
Code	BP39-00260A	BP39-00180D	BP39-00174H
Photo			
Use	Inlet	Ballast cable	Main to DMD cable
Code	BP96-00972A	BP39-00264A	BP39-00192D
Photo			
Use	DVI cable		
Code	BP39-00253A		
Photo			

## 8-2 Main Board Layout

※ Options are deleted on the ATSC only Model.



## 8-2-1 Power Board Connector Pin

CN811

Connecting Power to Main Board

Pin Name	PIN No.		Pin Name
STD5V	1	2	N.C
GND	3	4	S16V
STD5V	5	6	GND
GND	7	8	S16V
POWER_SW	9	10	GND
A6.0V	11	12	A6.0V
GND	13	14	GND
D12V	15	16	D12V
GND	17	18	GND
D12V	19	20	D12V
GND	21	22	GND
GND	23	24	D12V

## 8-2-2 Main Board Connector Pin

CN1001

Pin No.	Pin Name
1	-L_OUT
2	+L_OUT
3	-R_OUT
4	+R_OUT

CN1005

Pin No.	Pin Name
1	GND
2	RXD0
3	TXD0
4	3.3VA

CN103

Pin No.	Pin Name
1	GND
2	GND
3	12VB
4	12VB
5	GND
6	SDA-M1
7	SCL-M1
8	GND
9	S5V
10	GND
11	70VB
12	GND

CN100

Pin Name	PIN No.		Pin Name
STD5V	1	2	N.C
GND	3	4	16VB
STD5V	5	6	S_GND
GND	7	8	S14.5VB
POWER_SW	9	10	S_GND
5.7VB	11	12	5.7VB
GND	13	14	GND
12VB	15	16	12VB
GND	17	18	GND
12VB	19	20	12VB
GND	21	22	GND
GND	23	24	12VB

## CN1006

PIN No.	Pin Name	PIN No.	Pin Name	PIN No.	Pin Name
1	TMDS_TX0+	9	TMDS_TX1+	17	TMDS_TX2+
2	TMDS_TX0-	10	TMDS_TX1-	18	TMDS_TX2-
3	GND	11	GND	19	GND
4	TMDS_TXC+	12	NC	20	DLP_SYNCVAL
5	TMDS_TXC-	13	NC	21	MD_nRESET
6	SCL_DDP	14	NC	22	GND
7	NC	15	LAMP_TXn_1	23	DDP_READY
8	NC	16	LAMP_Rx	24	PWRGOOD

## CN1051

Pin No.	Pin Name
1	3.3VA
2	SDA0
3	SCL0
4	TEST
5	RESETn
6	GND
7	POWER-SW

## CN1054

Pin No.	Pin Name
1	IR
2	GND
3	5VA

## CN1055

Pin No.	Pin Name
1	5VA
2	Key-PWR
3	GND
4	LED_TIMER
5	LED_LAMP
6	LED_STB

## CN1056

Pin No.	Pin Name
1	GND
2	KEY1
3	KEY2