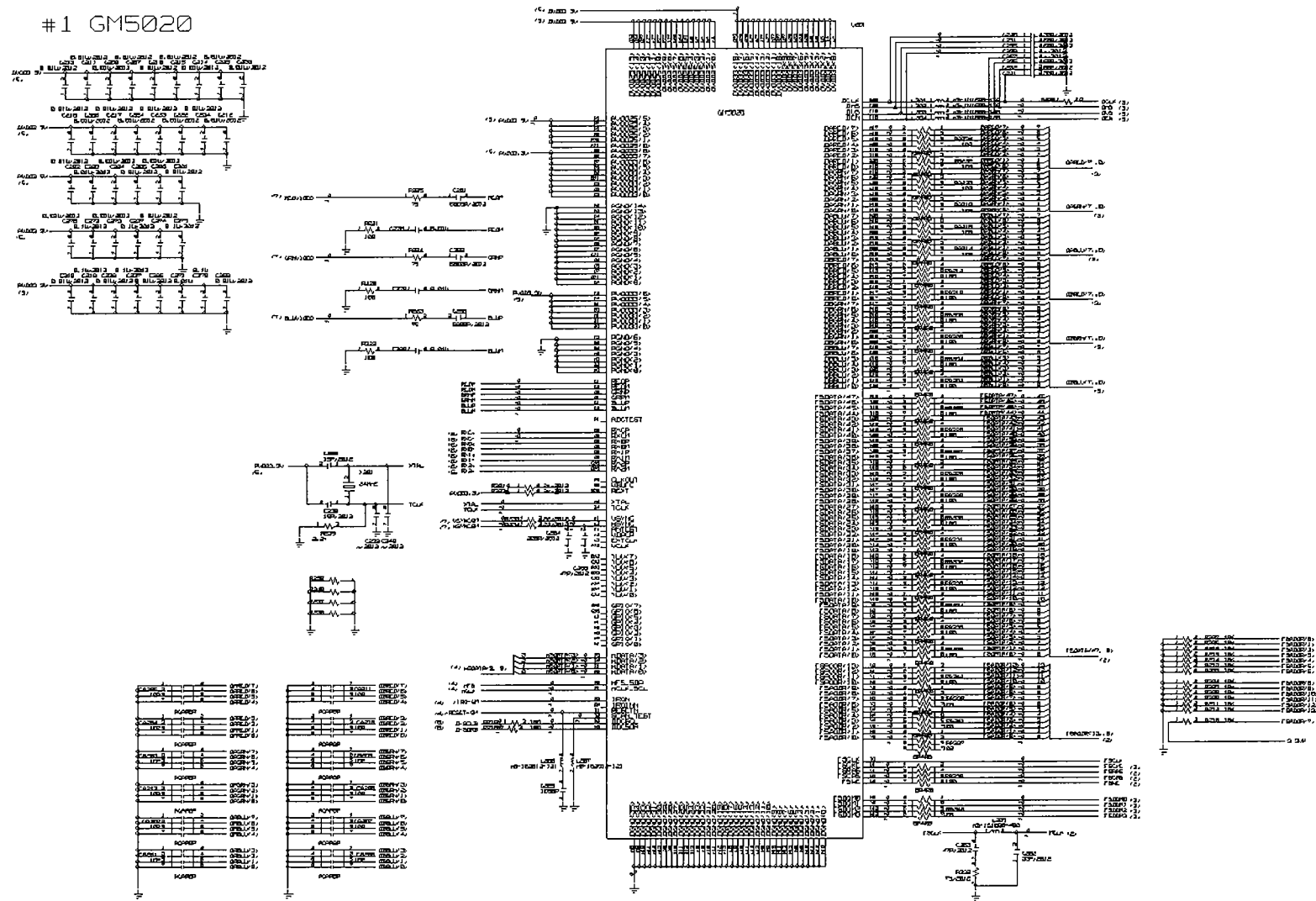


#1 GM5020



**LG Electronics Inc.**  
Digital Information  
Display Division

BLOCK : Scaler(gm5020)

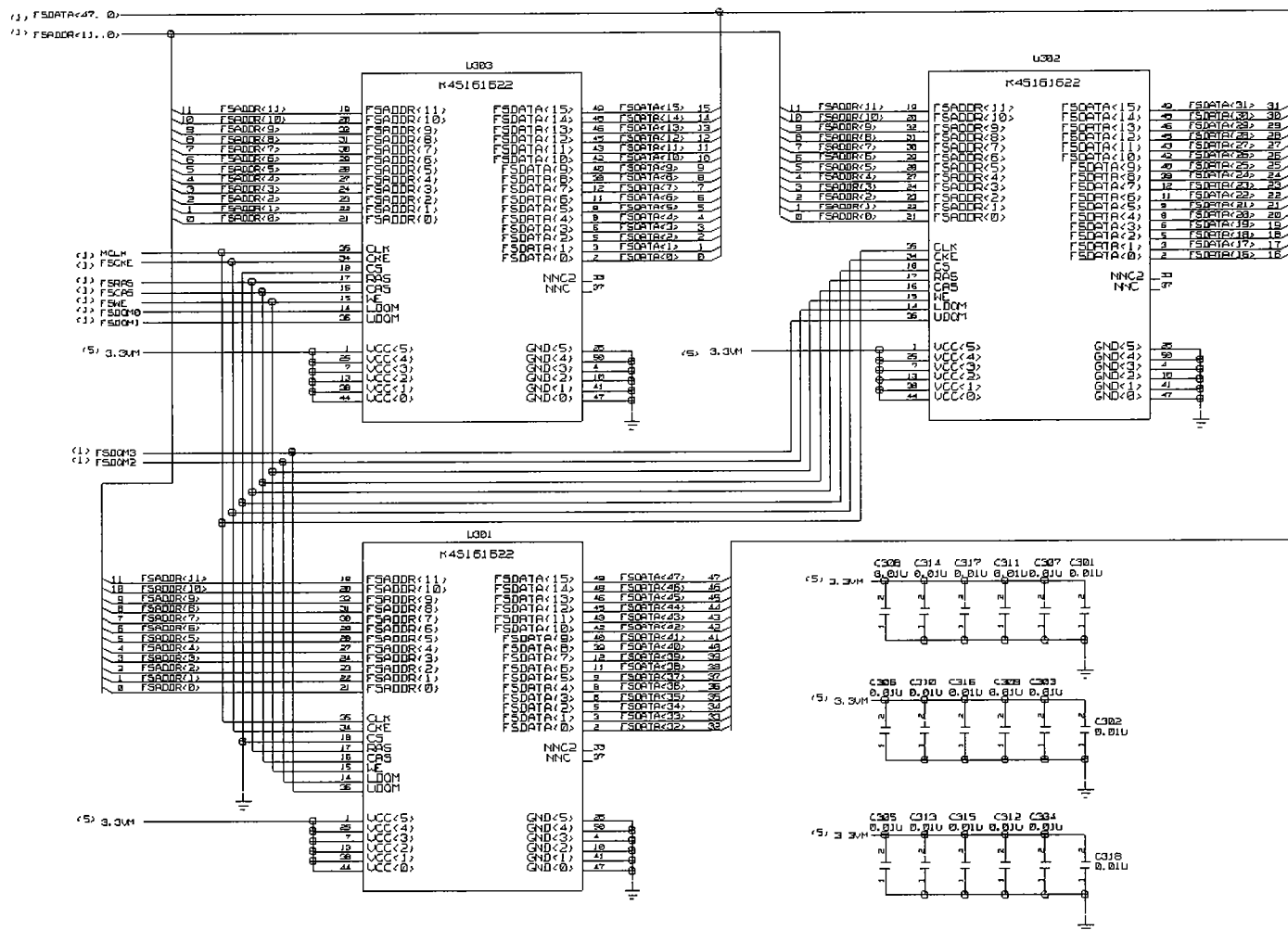
EVENT : MP

MODEL : LB800H

DATE : 2002.01.22

SHEET: 1 / 14

## #2 MEMORY



**LG Electronics Inc.**  
Digital Information  
Display Division

BLOCK : Memory

EVENT : MP

MODEL : LB800H

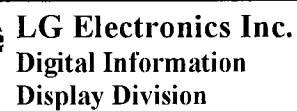
DATE : 2002.01.22

SHEET: 2 / 14

The schematic diagram illustrates the internal structure of the U40J THC53LV0823 chip, a 100-pin device. The chip is shown with its internal components, including the PLL (Phase-Locked Loop) and the LVDS (Low Voltage Differential Signaling) driver. The chip is connected to a 3.3V supply and a 10k resistor network. The chip is labeled U40J THC53LV0823.

The chip has the following pins and connections:

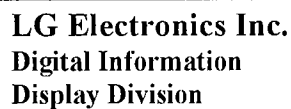
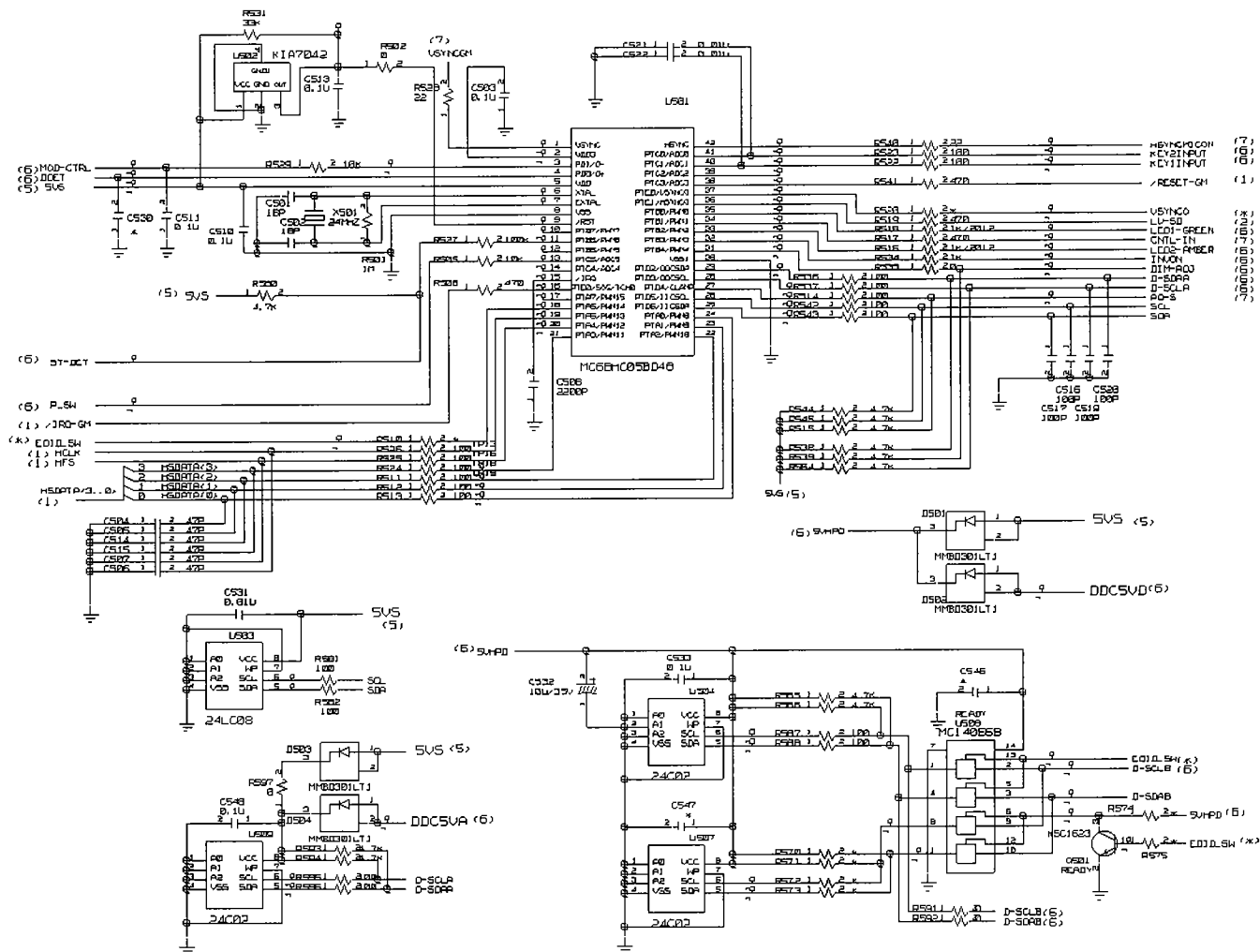
- Pin 1:** VCC
- Pin 2:** VCC
- Pin 3:** VCC
- Pin 4:** VCC
- Pin 5:** VCC
- Pin 6:** VCC
- Pin 7:** VCC
- Pin 8:** VCC
- Pin 9:** VCC
- Pin 10:** VCC
- Pin 11:** VCC
- Pin 12:** VCC
- Pin 13:** VCC
- Pin 14:** VCC
- Pin 15:** VCC
- Pin 16:** VCC
- Pin 17:** VCC
- Pin 18:** VCC
- Pin 19:** VCC
- Pin 20:** VCC
- Pin 21:** VCC
- Pin 22:** VCC
- Pin 23:** VCC
- Pin 24:** VCC
- Pin 25:** VCC
- Pin 26:** VCC
- Pin 27:** VCC
- Pin 28:** VCC
- Pin 29:** VCC
- Pin 30:** VCC
- Pin 31:** VCC
- Pin 32:** VCC
- Pin 33:** VCC
- Pin 34:** VCC
- Pin 35:** VCC
- Pin 36:** VCC
- Pin 37:** VCC
- Pin 38:** VCC
- Pin 39:** VCC
- Pin 40:** VCC
- Pin 41:** VCC
- Pin 42:** VCC
- Pin 43:** VCC
- Pin 44:** VCC
- Pin 45:** VCC
- Pin 46:** VCC
- Pin 47:** VCC
- Pin 48:** VCC
- Pin 49:** VCC
- Pin 50:** VCC
- Pin 51:** VCC
- Pin 52:** VCC
- Pin 53:** VCC
- Pin 54:** VCC
- Pin 55:** VCC
- Pin 56:** VCC
- Pin 57:** VCC
- Pin 58:** VCC
- Pin 59:** VCC
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- Pin 68:** VCC
- Pin 69:** VCC
- Pin 70:** VCC
- Pin 71:** VCC
- Pin 72:** VCC
- Pin 73:** VCC
- Pin 74:** VCC
- Pin 75:** VCC
- Pin 76:** VCC
- Pin 77:** VCC
- Pin 78:** VCC
- Pin 79:** VCC
- Pin 80:** VCC
- Pin 81:** VCC
- Pin 82:** VCC
- Pin 83:** VCC
- Pin 84:** VCC
- Pin 85:** VCC
- Pin 86:** VCC
- Pin 87:** VCC
- Pin 88:** VCC
- Pin 89:** VCC
- Pin 90:** VCC
- Pin 91:** VCC
- Pin 92:** VCC
- Pin 93:** VCC
- Pin 94:** VCC
- Pin 95:** VCC
- Pin 96:** VCC
- Pin 97:** VCC
- Pin 98:** VCC
- Pin 99:** VCC
- Pin 100:** VCC



MODEL : LB800H

|               |
|---------------|
| SHEET: 3 / 14 |
|---------------|

## #4 MICOM



BLOCK : U-COM Part

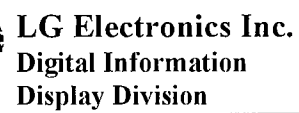
EVENT : MP

MODEL : LB800H

DATE : 2002.01.22

SHEET: 4 / 14

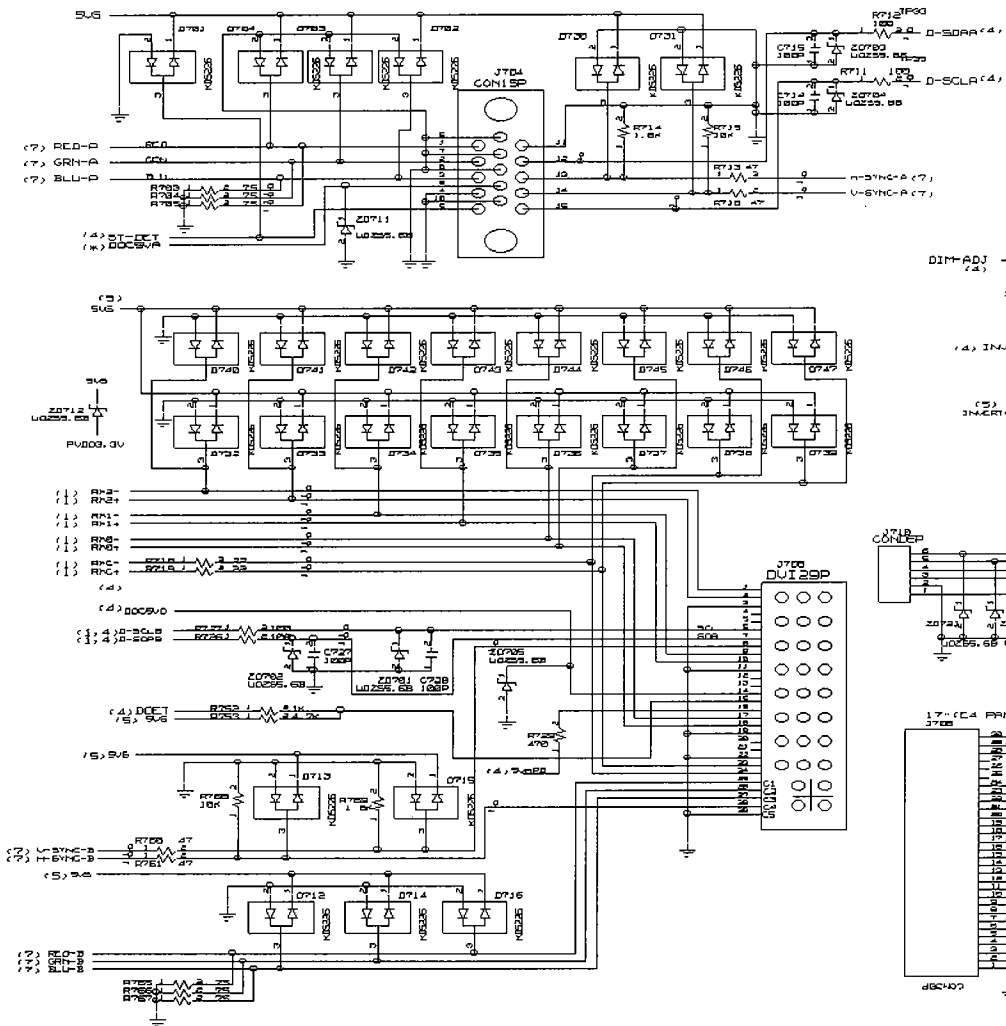
# #5 DC/DC



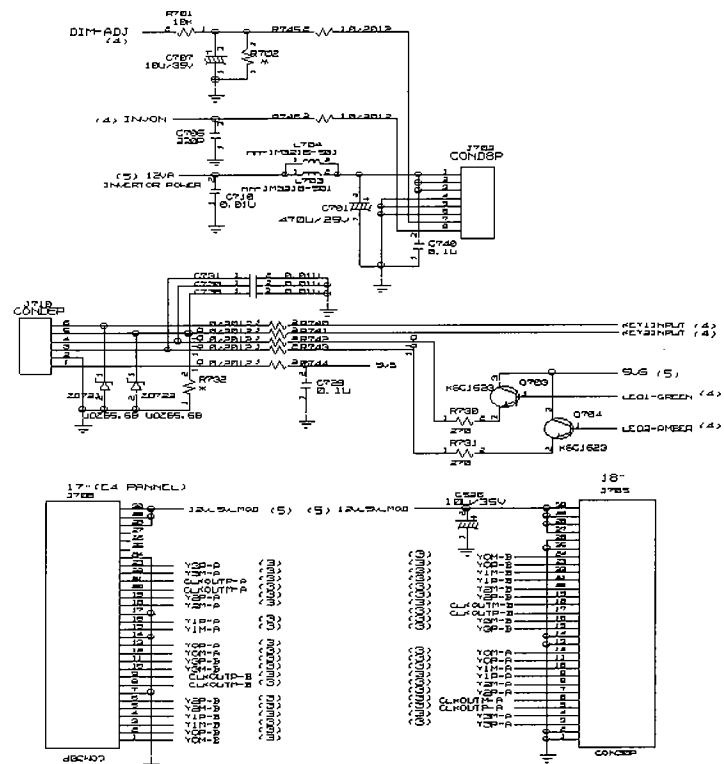
MODEL : LB800H

|               |
|---------------|
| SHEET: 5 / 14 |
|---------------|

## #6 CONNECTOR



|         | LB782F | LB886F/LI884E |
|---------|--------|---------------|
| R807(0) | X      | 0             |
| R823(0) | 0      | X             |
| J705    | X      | 0             |
| J706    | 0      | X             |



**LG Electronics Inc.**  
**Digital Information**  
**Display Division**

BLOCK : Connector Part

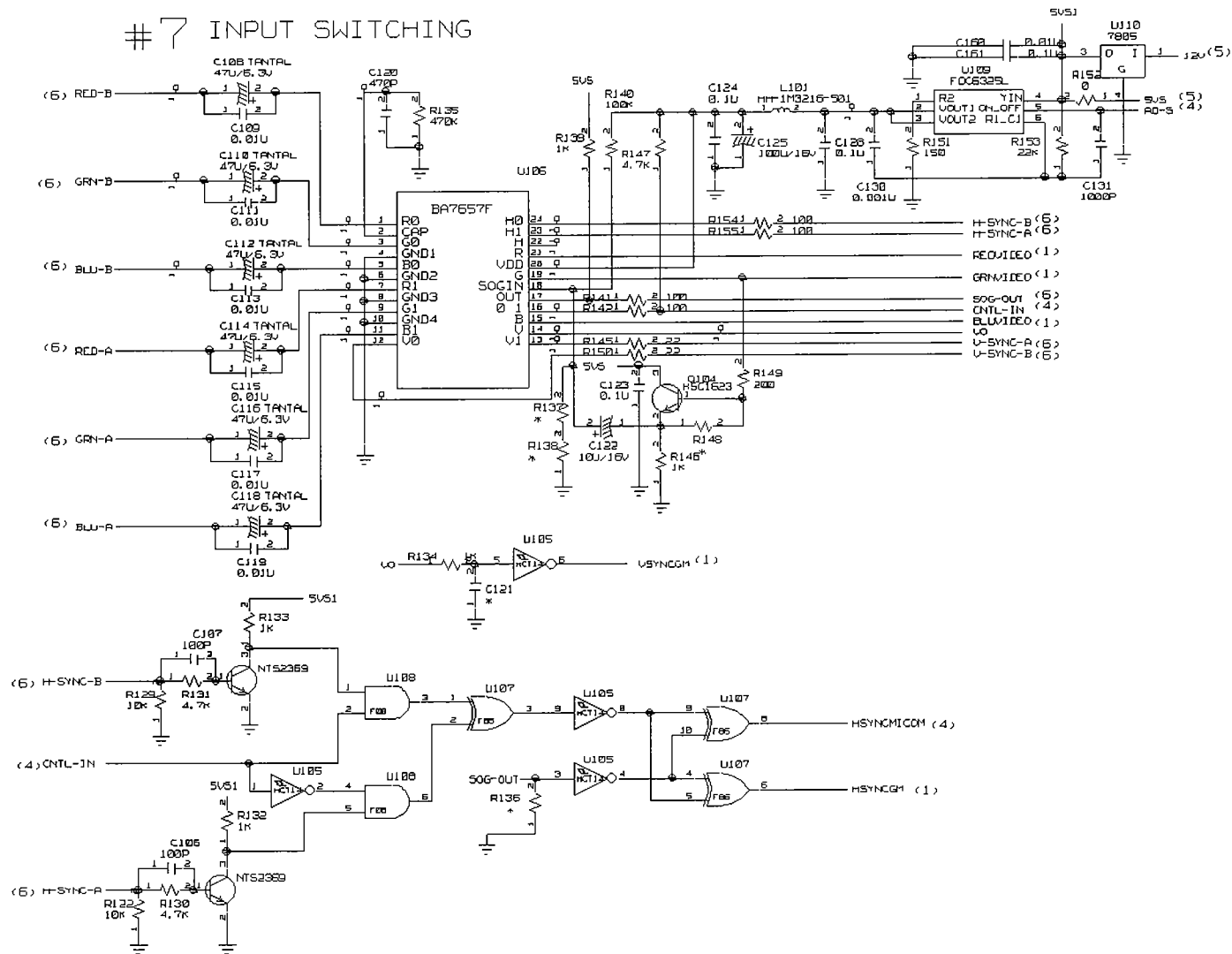
EVENT : MP

MODEL : LB800H

DATE : 2002.01.22

SHEET: 6 / 14

# #7 INPUT SWITCHING



**LG Electronics Inc.**  
Digital Information  
Display Division

BLOCK : Input Signal Switching(BA7657)

EVENT : MP

DATE : 2002.01.22

MODEL : LB800H

SHEET: 7 / 14