

# TMP86FM29U(3.3V) Wiring Table for the FLASH Writer (BM1401W0A-G)

Rev1.00  
2011/2/18

TP\_VCC\_EN: 3.3V Short  
TP\_PULL\_VCC\_SEL: 3.3V Short

Package: LQFP64(10x10)  
Product Code: BDS034

TLCS-LQFP64-PN410105A

| Pin No. | Pin Name | Board Pin No. | Disposal      | Board TP Pin No. | Connect                                     |
|---------|----------|---------------|---------------|------------------|---|
| 1       | VSS      | SL1           | Remove solder | TP1              | J_GND-L                                     |
| 2       | XIN      | SL2           | Remove solder | TP2              | J_CLOCK2                                    |
| 3       | XOUT     | SL3           | Remove solder | TP3              | J_CLOCK1                                    |
| 4       | TEST     | SL4           | Remove solder | TP4              | J_SIGNAL4(RESET) through the schmitt buffer |
| 5       | VDD      | SL5           | Remove solder | TP5              | J_33V-L                                     |
| 6       | P21      | SL6           | -             | TP6              | -   |
| 7       | P22      | SL7           | -             | TP7              | -   |
| 8       | -RESET   | SL8           | Remove solder | TP8              | J_SIGNAL4(RESET) through the schmitt buffer |
| 9       | P20      | SL9           | -             | TP9              | -   |
| 10      | P60      | SL10          | -             | TP10             | -   |
| 11      | P61      | SL11          | -             | TP11             | -   |
| 12      | P62      | SL12          | -             | TP12             | -   |
| 13      | P63      | SL13          | -             | TP13             | -   |
| 14      | P64      | SL14          | -             | TP14             | -   |
| 15      | P65      | SL15          | -             | TP15             | -   |
| 16      | P66      | SL16          | -             | TP16             | -   |
| 17      | P67      | SL17          | -             | TP17             | -   |
| 18      | VAREF    | SL18          | Remove solder | TP18             | J_33V-L                                     |
| 19      | AVDD     | SL19          | Remove solder | TP19             | J_33V-L                                     |
| 20      | P10      | SL20          | -             | TP20             | -   |
| 21      | P11      | SL21          | Remove solder | TP21             | J_GND-L                                     |
| 22      | P12      | SL22          | -             | TP22             | -   |
| 23      | P13      | SL23          | -             | TP23             | -   |
| 24      | P14      | SL24          | -             | TP24             | -   |
| 25      | RXD      | SL25          | Remove solder | TP25             | J_SIGNAL6(RxD), Pull-up                     |
| 26      | TXD      | SL26          | Remove solder | TP26             | J_SIGNAL5(TxD), Pull-up                     |
| 27      | P17      | SL27          | -             | TP27             | -   |
| 28      | P50      | SL28          | -             | TP28             | -   |
| 29      | P51      | SL29          | -             | TP29             | -   |
| 30      | P52      | SL30          | -             | TP30             | -   |
| 31      | P53      | SL31          | -             | TP31             | -   |
| 32      | P54      | SL32          | -             | TP32             | -   |

| Pin No. | Pin Name | Board Pin No. | Disposal      | Board TP Pin No. | Connect |
|---------|----------|---------------|---------------|------------------|---------|
| 33      | P55      | SL33          | -             | TP33             | -       |
| 34      | P56      | SL34          | -             | TP34             | -       |
| 35      | P57      | SL35          | -             | TP35             | -       |
| 36      | P70      | SL36          | -             | TP36             | -       |
| 37      | P71      | SL37          | -             | TP37             | -       |
| 38      | P72      | SL38          | -             | TP38             | -       |
| 39      | P73      | SL39          | -             | TP39             | -       |
| 40      | P74      | SL40          | -             | TP40             | -       |
| 41      | P75      | SL41          | -             | TP41             | -       |
| 42      | P76      | SL42          | -             | TP42             | -       |
| 43      | P77      | SL43          | -             | TP43             | -       |
| 44      | SEG7     | SL44          | Remove solder | TP44             | -       |
| 45      | SEG6     | SL45          | Remove solder | TP45             | -       |
| 46      | SEG5     | SL46          | Remove solder | TP46             | -       |
| 47      | SEG4     | SL47          | Remove solder | TP47             | -       |
| 48      | SEG3     | SL48          | Remove solder | TP48             | -       |
| 49      | SEG2     | SL49          | Remove solder | TP49             | -       |
| 50      | SEG1     | SL50          | Remove solder | TP50             | -       |
| 51      | SEG0     | SL51          | Remove solder | TP51             | -       |
| 52      | COM3     | SL52          | Remove solder | TP52             | -       |
| 53      | COM2     | SL53          | Remove solder | TP53             | -       |
| 54      | COM1     | SL54          | Remove solder | TP54             | -       |
| 55      | COM0     | SL55          | Remove solder | TP55             | -       |
| 56      | V3       | SL56          | Remove solder | TP56             | -       |
| 57      | V2       | SL57          | Remove solder | TP57             | -       |
| 58      | V1       | SL58          | Remove solder | TP58             | -       |
| 59      | C1       | SL59          | Remove solder | TP59             | -       |
| 60      | C0       | SL60          | Remove solder | TP60             | -       |
| 61      | P30      | SL61          | -             | TP61             | -       |
| 62      | P31      | SL62          | -             | TP62             | -       |
| 63      | P32      | SL63          | -             | TP63             | -       |
| 64      | P33      | SL64          | -             | TP64             | -       |

- Caution
- 1.No need disposal on "-" marking
  2. Basically all pins are connected to pulldown  
1M-ohm factory shipped setting.
  - 3.If you use a oscillator , you do not need to connect between this pin and X2.  
If you use a resonator , you need to connect between this pin and X2.
  - 4.Remove R13 of the resistor.
  - 5.Connect "TEST","RESET"pins as following figure.

