

RD Number: RD128

RD Title: TB67H401FTG Evaluation circuit BOM

| Item No. | Designator | Quantity | Value       | Part Number | Manufacturer | Description            | Package | Not Mount |
|----------|------------|----------|-------------|-------------|--------------|------------------------|---------|-----------|
| 1        | CVM1       | 1        | 100μF 50V   | —           | —            | Electrolytic capacitor |         |           |
| 2        | CVM2       | 1        | 0.1μF 100V  | —           | —            | Ceramic capacitor      |         |           |
| 3        | R_RSA      | 1        | 0.22Ω 1W    | —           | —            | Chip resistor          |         |           |
| 4        | R_RSB      | 1        | 0.22Ω 1W    | —           | —            | Chip resistor          |         |           |
| 5        | R_OUTA     | 0        | 0.22Ω 1W    | —           | —            | Chip resistor          |         | ✓         |
| 6        | R_OUTB     | 0        | 0.22Ω 1W    | —           | —            | Chip resistor          |         | ✓         |
| 7        | R_VRFA1    | 0        | Not mount   | —           | —            | Leaded resistor        |         | ✓         |
| 8        |            | 2        | Socket pin  | —           | —            | Socket pin             |         |           |
| 9        | R_VRFA2    | 0        | Not mount   | —           | —            | Leaded resistor        |         | ✓         |
| 10       |            | 2        | Socket pin  | —           | —            | Socket pin             |         |           |
| 11       | R_VRFB1    | 0        | Not mount   | —           | —            | Leaded resistor        |         | ✓         |
| 12       |            | 2        | Socket pin  | —           | —            | Socket pin             |         |           |
| 13       | R_VRFB2    | 0        | Not mount   | —           | —            | Leaded resistor        |         | ✓         |
| 14       |            | 2        | Socket pin  | —           | —            | Socket pin             |         |           |
| 15       | R_LO       | 1        | 10kΩ 0.25W  | —           | —            | Leaded resistor        |         |           |
| 16       |            | 2        | Socket pin  | —           | —            | Socket pin             |         |           |
| 17       | R_FBA      | 1        | 10kΩ 0.25W  | —           | —            | Leaded resistor        |         |           |
| 18       |            | 2        | Socket pin  | —           | —            | Socket pin             |         |           |
| 19       | R_FBB      | 1        | 10kΩ 0.25W  | —           | —            | Leaded resistor        |         |           |
| 20       |            | 2        | Socket pin  | —           | —            | Socket pin             |         |           |
| 21       | R_OSCM     | 0        | 5.1kΩ 0.25W | —           | —            | Leaded resistor        |         | ✓         |
| 22       |            | 0        | Socket pin  | —           | —            | Socket pin             |         | ✓         |
| 23       |            | 1        | 5.1kΩ 0.25W | —           | —            | Chip resistor          |         |           |
| 24       | C_OSCM     | 0        | 270pF       | —           | —            | Ceramic capacitor      |         | ✓         |
| 25       |            | 1        | 270pF 1000V | —           | —            | Ceramic capacitor      |         |           |
| 26       | C_VCC      | 1        | 0.1μF 100V  | —           | —            | Ceramic capacitor      |         |           |

|    |          |   |                |   |   |                        |  |   |
|----|----------|---|----------------|---|---|------------------------|--|---|
| 27 | C_VREFA  | 1 | 0.1μF 100V     | – | – | Ceramic capacitor      |  |   |
| 28 | C_VREFB  | 1 | 0.1μF 100V     | – | – | Ceramic capacitor      |  |   |
| 29 | C_VDD    | 1 | 10μF 50V       | – | – | Electrolytic capacitor |  |   |
| 30 | C_OUTA+  | 0 | Not mount      | – | – |                        |  | ✓ |
| 31 | C_OUTA-  | 0 | Not mount      | – | – |                        |  | ✓ |
| 32 | C_OUTB-  | 0 | Not mount      | – | – |                        |  | ✓ |
| 33 | C_OUTB+  | 0 | Not mount      | – | – |                        |  | ✓ |
| 34 | VDD      | 1 | Check terminal | – | – | Check pin              |  |   |
| 35 | GND      | 8 | Check terminal | – | – | Check pin              |  |   |
| 36 | INB1     | 1 | Check terminal | – | – | Check pin              |  |   |
| 37 | INB2     | 1 | Check terminal | – | – | Check pin              |  |   |
| 38 | TBLANKAB | 1 | Check terminal | – | – | Check pin              |  |   |
| 39 | OUTA+    | 1 | Check terminal | – | – | Check pin              |  |   |
| 40 | OUTA-    | 1 | Check terminal | – | – | Check pin              |  |   |
| 41 | OUTB-    | 1 | Check terminal | – | – | Check pin              |  |   |
| 42 | OUTB+    | 1 | Check terminal | – | – | Check pin              |  |   |
| 43 | RSA      | 1 | Check terminal | – | – | Check pin              |  |   |
| 44 | RSB      | 1 | Check terminal | – | – | Check pin              |  |   |
| 45 | VM       | 1 | Check terminal | – | – | Check pin              |  |   |
| 46 | VCC      | 1 | Check terminal | – | – | Check pin              |  |   |
| 47 | LO       | 1 | Check terminal | – | – | Check pin              |  |   |
| 48 | FBB      | 1 | Check terminal | – | – | Check pin              |  |   |
| 49 | FBA      | 1 | Check terminal | – | – | Check pin              |  |   |
| 50 | HBMODE   | 1 | Check terminal | – | – | Check pin              |  |   |
| 51 | VREFB    | 1 | Check terminal | – | – | Check pin              |  |   |
| 52 | VREFA    | 1 | Check terminal | – | – | Check pin              |  |   |
| 53 | OSCM     | 1 | Check terminal | – | – | Check pin              |  |   |
| 54 | INA1     | 1 | Check terminal | – | – | Check pin              |  |   |
| 55 | INA2     | 1 | Check terminal | – | – | Check pin              |  |   |
| 56 | PWMA     | 1 | Check terminal | – | – | Check pin              |  |   |
| 57 | PWMB     | 1 | Check terminal | – | – | Check pin              |  |   |
| 58 | INB1     | 1 | Pin header 3P  | – | – | Jumper                 |  |   |
| 59 |          | 1 | Jumper socket  | – | – | Short pin              |  |   |
| 60 | INB2     | 1 | Pin header 3P  | – | – | Jumper                 |  |   |



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