



### TB2 Assignment

| Pin<br>Model | 1          | 2     | 3     | 4     | 5     | 6   | 7   | 8     | 9     | 10    | 11    | 12    | 13    | 14             |
|--------------|------------|-------|-------|-------|-------|-----|-----|-------|-------|-------|-------|-------|-------|----------------|
| SNP-N063     | +5V        | +3.3V | +3.3V | +3.3V | +3.3V | GND | GND | GND   | GND   |       |       |       |       |                |
| SNP-N563     | +5V        | +5V   | +5V   | GND   | GND   | GND | GND | +3.3V | +3.3V | +3.3V |       |       |       |                |
| SNP-Z873     | Power fail | +12V  | NC    | GND   | GND   | GND | GND | GND   | +3.3V | +3.3V | +3.3V | +3.3V | +3.3V | Remote sense + |

### Output Specifications:

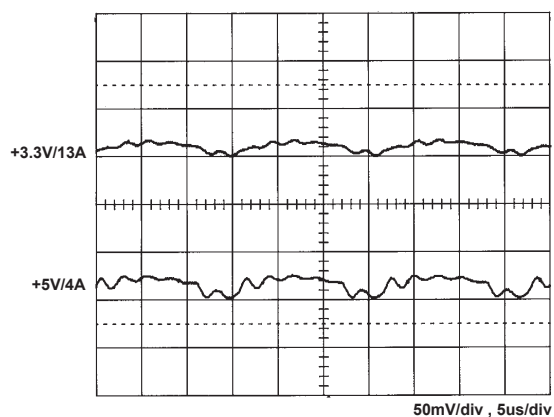
| MODEL NO. | OUTPUT RAIL | LOAD |       |      | VOLTAGE ACCURACY | RIPPLE NOISE | LINE REG. | LOAD REG. |
|-----------|-------------|------|-------|------|------------------|--------------|-----------|-----------|
|           |             | MIN. | RATED | PEAK |                  |              |           |           |
| SNP-N063  | +5V         | 0A   | 4 A   |      | +4.75V~+5.30V    | 50mV         | ±1%       | ±5%       |
|           | +3.3V       | 1A   | 13A   |      | +3.20V~+3.40V    | 50mV         | ±1%       | ±2%       |
| SNP-N563  | +3.3V       | 0.5A | 6A    |      | +3.20V~+3.40V    | 50mV         | ±1%       | ±3%       |
|           | +5V         | 0.5A | 8A    |      | +4.75V~+5.25V    | 50mV         | ±1%       | +5%       |
| SNP-Z873  | +3.3V       | 0.5A | 24A   |      | +3.25V~+3.35V    | 50mV         | ±1%       | ±1%       |
|           | +12V        | 0A   | 0.8A  |      | +11.00V~+13.00V  | 120mV        | ±2%       | ±5%       |

### Notes:

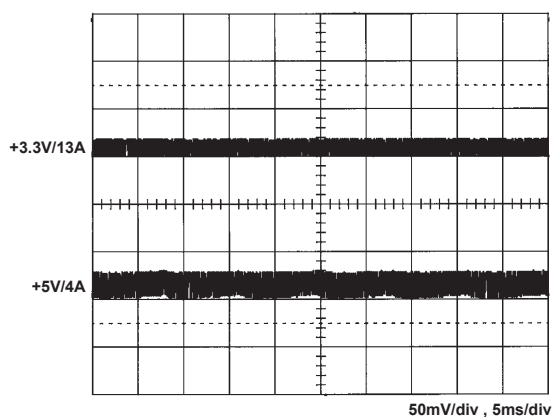
- Each output can provide up to peak load temporarily. Continuous staying in more than rated load is not allowed.
- At factory, all outputs in 60% rated load condition, each output is checked to be within the accuracy range while the main output is setting to within the specified accuracy range at rated load.
- Line regulation is defined by changing  $\pm 10\%$  of input voltage from nominal line at rated load.
- Load regulation is defined by changing  $\pm 40\%$  of measured output load from 60% rated load at another output set to 60% rated load.
- Ripple & noise is measured by using 15MHz bandwidth limited oscilloscope and terminated each output with a 0.47uF capacitor at rated load and nominal line.
- Hold up time is measured from the end of the last charging pulse to the time which the main output drop down to regulation limit at rated load and nominal line.
- Rated load is maximum loading for flat mounting and free air convection cooling.

## Performance for SNP-N063:

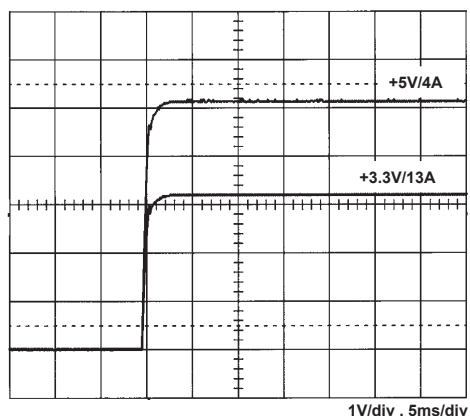
### 1. Switching frequency ripple



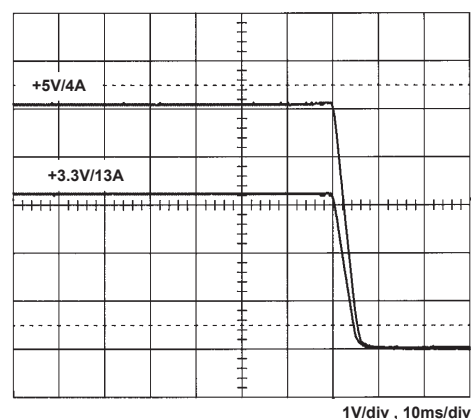
### 2. Line frequency ripple



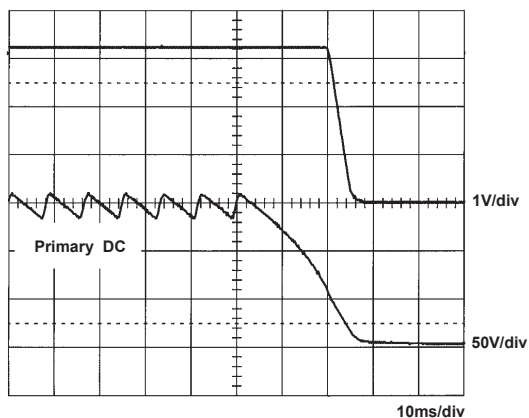
### 3. Output turn on wave form



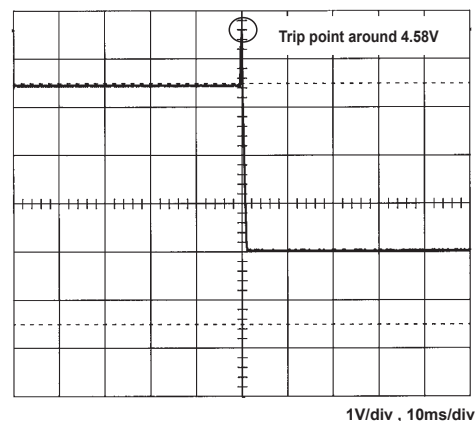
### 4. Output turn off wave form



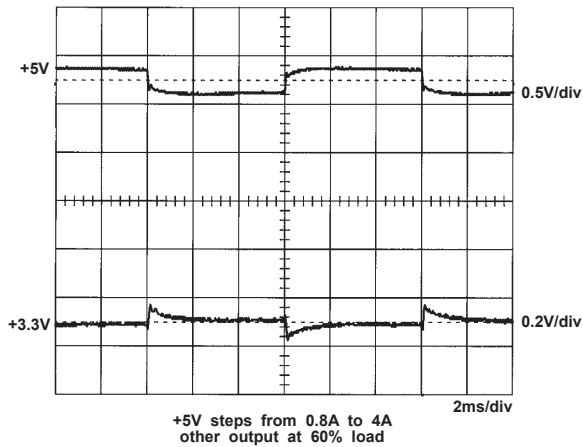
### 5. Hold-up time



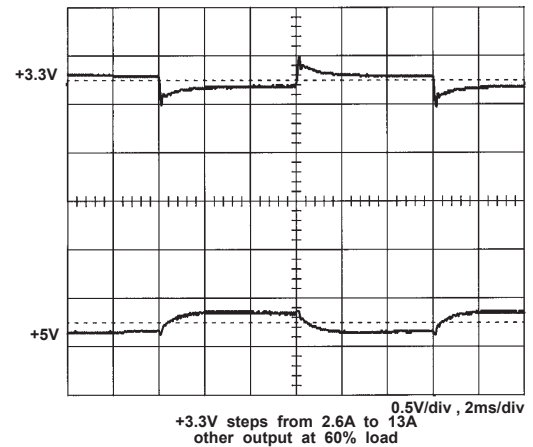
### 6. Over voltage protection



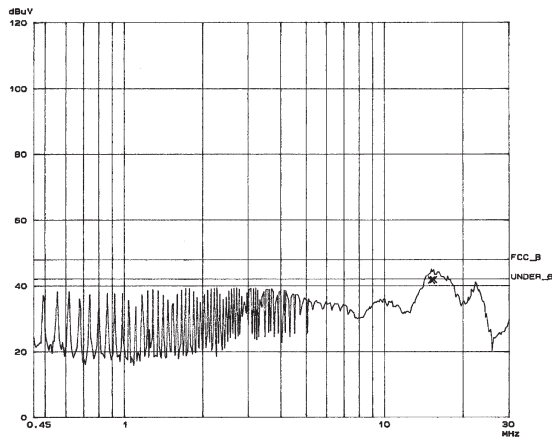
7. +5V step response



8. +3.3V step response



9. FCC B



10. CISPR 22B

