

## TAPE AND REEL INFORMATION



### QUADRANT ASSIGNMENTS FOR PIN 1 ORIENTATION IN TAPE



\*All dimensions are nominal

| Device             | Package Type | Package Drawing | Pins | SPQ  | Reel Diameter (mm) | Reel Width W1 (mm) | A0 (mm) | B0 (mm) | K0 (mm) | P1 (mm) | W (mm) | Pin1 Quadrant |
|--------------------|--------------|-----------------|------|------|--------------------|--------------------|---------|---------|---------|---------|--------|---------------|
| LP3991TL-1.2/NOPB  | DSBGA        | YZR             | 4    | 250  | 178.0              | 8.4                | 1.04    | 1.55    | 0.76    | 4.0     | 8.0    | Q1            |
| LP3991TL-1.3/NOPB  | DSBGA        | YZR             | 4    | 250  | 178.0              | 8.4                | 1.04    | 1.55    | 0.76    | 4.0     | 8.0    | Q1            |
| LP3991TL-1.5/NOPB  | DSBGA        | YZR             | 4    | 250  | 178.0              | 8.4                | 1.04    | 1.55    | 0.76    | 4.0     | 8.0    | Q1            |
| LP3991TL-1.7/NOPB  | DSBGA        | YZR             | 4    | 250  | 178.0              | 8.4                | 1.04    | 1.55    | 0.76    | 4.0     | 8.0    | Q1            |
| LP3991TL-1.8/NOPB  | DSBGA        | YZR             | 4    | 250  | 178.0              | 8.4                | 1.04    | 1.55    | 0.76    | 4.0     | 8.0    | Q1            |
| LP3991TL-2.0/NOPB  | DSBGA        | YZR             | 4    | 250  | 178.0              | 8.4                | 1.04    | 1.55    | 0.76    | 4.0     | 8.0    | Q1            |
| LP3991TL-2.5/NOPB  | DSBGA        | YZR             | 4    | 250  | 178.0              | 8.4                | 1.04    | 1.55    | 0.76    | 4.0     | 8.0    | Q1            |
| LP3991TL-2.8/NOPB  | DSBGA        | YZR             | 4    | 250  | 178.0              | 8.4                | 1.04    | 1.55    | 0.76    | 4.0     | 8.0    | Q1            |
| LP3991TL-3.0/NOPB  | DSBGA        | YZR             | 4    | 250  | 178.0              | 8.4                | 1.04    | 1.55    | 0.76    | 4.0     | 8.0    | Q1            |
| LP3991TLX-1.2/NOPB | DSBGA        | YZR             | 4    | 3000 | 178.0              | 8.4                | 1.04    | 1.55    | 0.76    | 4.0     | 8.0    | Q1            |
| LP3991TLX-1.3/NOPB | DSBGA        | YZR             | 4    | 3000 | 178.0              | 8.4                | 1.04    | 1.55    | 0.76    | 4.0     | 8.0    | Q1            |
| LP3991TLX-1.5/NOPB | DSBGA        | YZR             | 4    | 3000 | 178.0              | 8.4                | 1.04    | 1.55    | 0.76    | 4.0     | 8.0    | Q1            |
| LP3991TLX-1.8/NOPB | DSBGA        | YZR             | 4    | 3000 | 178.0              | 8.4                | 1.04    | 1.55    | 0.76    | 4.0     | 8.0    | Q1            |
| LP3991TLX-2.5/NOPB | DSBGA        | YZR             | 4    | 3000 | 178.0              | 8.4                | 1.04    | 1.55    | 0.76    | 4.0     | 8.0    | Q1            |
| LP3991TLX-2.8/NOPB | DSBGA        | YZR             | 4    | 3000 | 178.0              | 8.4                | 1.04    | 1.55    | 0.76    | 4.0     | 8.0    | Q1            |
| LP3991TLX-3.0/NOPB | DSBGA        | YZR             | 4    | 3000 | 178.0              | 8.4                | 1.04    | 1.55    | 0.76    | 4.0     | 8.0    | Q1            |

**TAPE AND REEL BOX DIMENSIONS**


\*All dimensions are nominal

| Device             | Package Type | Package Drawing | Pins | SPQ  | Length (mm) | Width (mm) | Height (mm) |
|--------------------|--------------|-----------------|------|------|-------------|------------|-------------|
| LP3991TL-1.2/NOPB  | DSBGA        | YZR             | 4    | 250  | 208.0       | 191.0      | 35.0        |
| LP3991TL-1.3/NOPB  | DSBGA        | YZR             | 4    | 250  | 208.0       | 191.0      | 35.0        |
| LP3991TL-1.5/NOPB  | DSBGA        | YZR             | 4    | 250  | 208.0       | 191.0      | 35.0        |
| LP3991TL-1.7/NOPB  | DSBGA        | YZR             | 4    | 250  | 208.0       | 191.0      | 35.0        |
| LP3991TL-1.8/NOPB  | DSBGA        | YZR             | 4    | 250  | 208.0       | 191.0      | 35.0        |
| LP3991TL-2.0/NOPB  | DSBGA        | YZR             | 4    | 250  | 208.0       | 191.0      | 35.0        |
| LP3991TL-2.5/NOPB  | DSBGA        | YZR             | 4    | 250  | 208.0       | 191.0      | 35.0        |
| LP3991TL-2.8/NOPB  | DSBGA        | YZR             | 4    | 250  | 208.0       | 191.0      | 35.0        |
| LP3991TL-3.0/NOPB  | DSBGA        | YZR             | 4    | 250  | 208.0       | 191.0      | 35.0        |
| LP3991TLX-1.2/NOPB | DSBGA        | YZR             | 4    | 3000 | 208.0       | 191.0      | 35.0        |
| LP3991TLX-1.3/NOPB | DSBGA        | YZR             | 4    | 3000 | 208.0       | 191.0      | 35.0        |
| LP3991TLX-1.5/NOPB | DSBGA        | YZR             | 4    | 3000 | 208.0       | 191.0      | 35.0        |
| LP3991TLX-1.8/NOPB | DSBGA        | YZR             | 4    | 3000 | 208.0       | 191.0      | 35.0        |
| LP3991TLX-2.5/NOPB | DSBGA        | YZR             | 4    | 3000 | 208.0       | 191.0      | 35.0        |
| LP3991TLX-2.8/NOPB | DSBGA        | YZR             | 4    | 3000 | 208.0       | 191.0      | 35.0        |
| LP3991TLX-3.0/NOPB | DSBGA        | YZR             | 4    | 3000 | 208.0       | 191.0      | 35.0        |