

**TAPE AND REEL INFORMATION**

**QUADRANT ASSIGNMENTS FOR PIN 1 ORIENTATION IN TAPE**

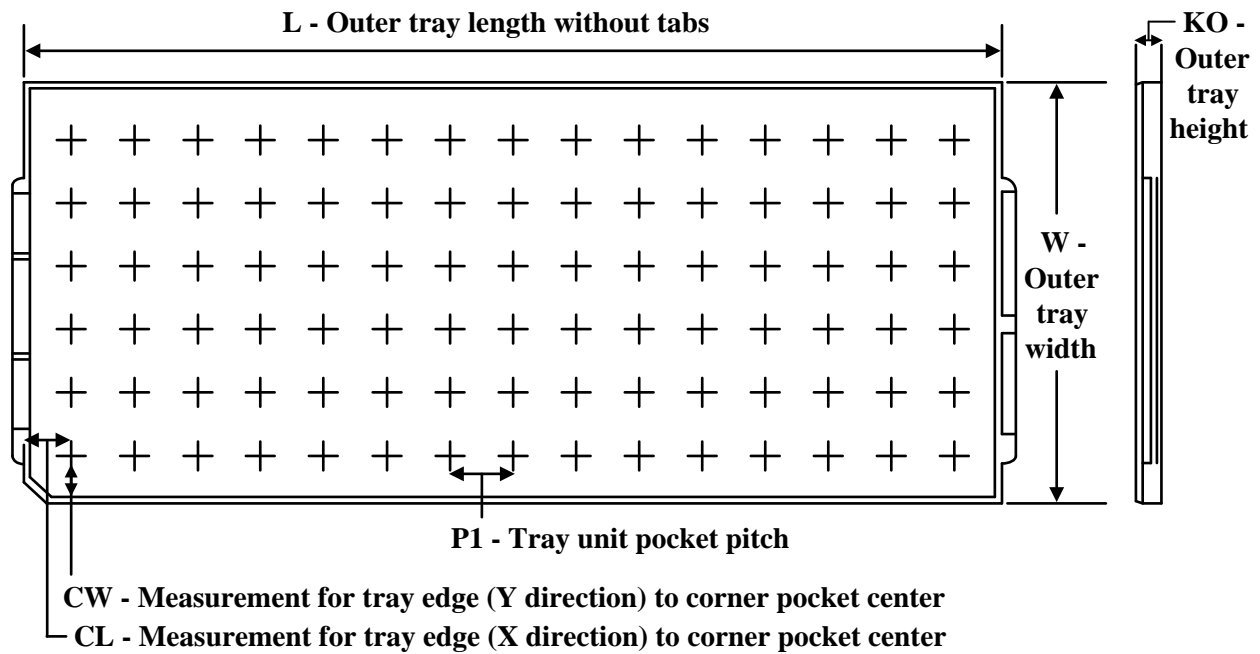

\*All dimensions are nominal

| 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 |
|-----------------|--------------|-----------------|------|------|--------------------|--------------------|---------|---------|---------|---------|--------|---------------|
| TPS659110A2NMAR | NFBGA        | NMA             | 98   | 2500 | 330.0              | 16.4               | 6.3     | 9.3     | 1.5     | 12.0    | 16.0   | Q1            |
| TPS659112A2NMAR | NFBGA        | NMA             | 98   | 2500 | 330.0              | 16.4               | 6.3     | 9.3     | 1.5     | 12.0    | 16.0   | Q1            |
| TPS659114A2NMAR | NFBGA        | NMA             | 98   | 2500 | 330.0              | 16.4               | 6.3     | 9.3     | 1.5     | 12.0    | 16.0   | Q1            |
| TPS65911AA2NMAR | NFBGA        | NMA             | 98   | 2500 | 330.0              | 16.4               | 6.3     | 9.3     | 1.5     | 12.0    | 16.0   | Q1            |
| TPS65911AA2NMAT | NFBGA        | NMA             | 98   | 250  | 330.0              | 16.4               | 6.3     | 9.3     | 1.5     | 12.0    | 16.0   | Q1            |

**TAPE AND REEL BOX DIMENSIONS**


\*All dimensions are nominal

| Device          | Package Type | Package Drawing | Pins | SPQ  | Length (mm) | Width (mm) | Height (mm) |
|-----------------|--------------|-----------------|------|------|-------------|------------|-------------|
| TPS659110A2NMAR | NFBGA        | NMA             | 98   | 2500 | 336.6       | 336.6      | 31.8        |
| TPS659112A2NMAR | NFBGA        | NMA             | 98   | 2500 | 336.6       | 336.6      | 31.8        |
| TPS659114A2NMAR | NFBGA        | NMA             | 98   | 2500 | 336.6       | 336.6      | 31.8        |
| TPS65911AA2NMAR | NFBGA        | NMA             | 98   | 2500 | 336.6       | 336.6      | 31.8        |
| TPS65911AA2NMAT | NFBGA        | NMA             | 98   | 250  | 336.6       | 336.6      | 31.8        |

**TRAY**


Chamfer on Tray corner indicates Pin 1 orientation of packed units.

\*All dimensions are nominal

| Device           | Package Name | Package Type | Pins | SPQ | Unit array matrix | Max temperature (°C) | L (mm) | W (mm) | K0 (µm) | P1 (mm) | CL (mm) | CW (mm) |
|------------------|--------------|--------------|------|-----|-------------------|----------------------|--------|--------|---------|---------|---------|---------|
| TPS6591104DA2NMA | NMA          | NFBGA        | 98   | 240 | 10 x 24           | 150                  | 315    | 135.9  | 7620    | 12.9    | 9.15    | 9       |
| TPS6591133A2NMA  | NMA          | NFBGA        | 98   | 240 | 10 x 24           | 150                  | 315    | 135.9  | 7620    | 12.9    | 9.15    | 9       |