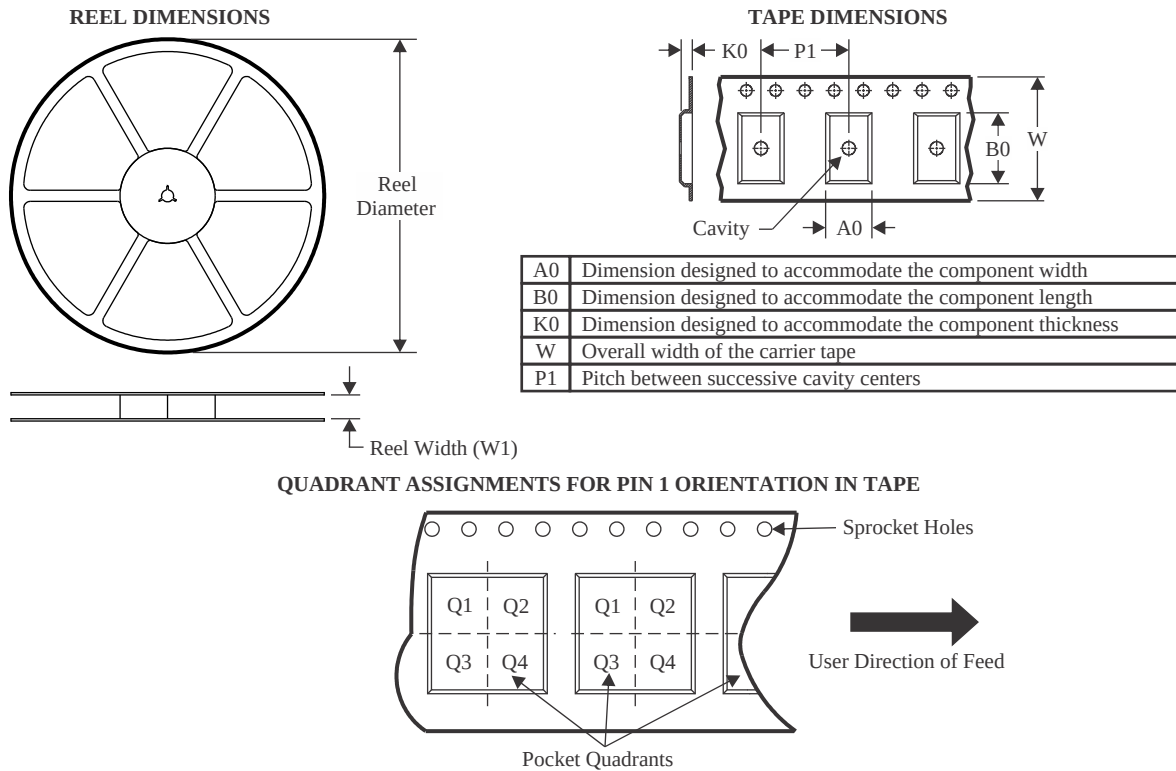


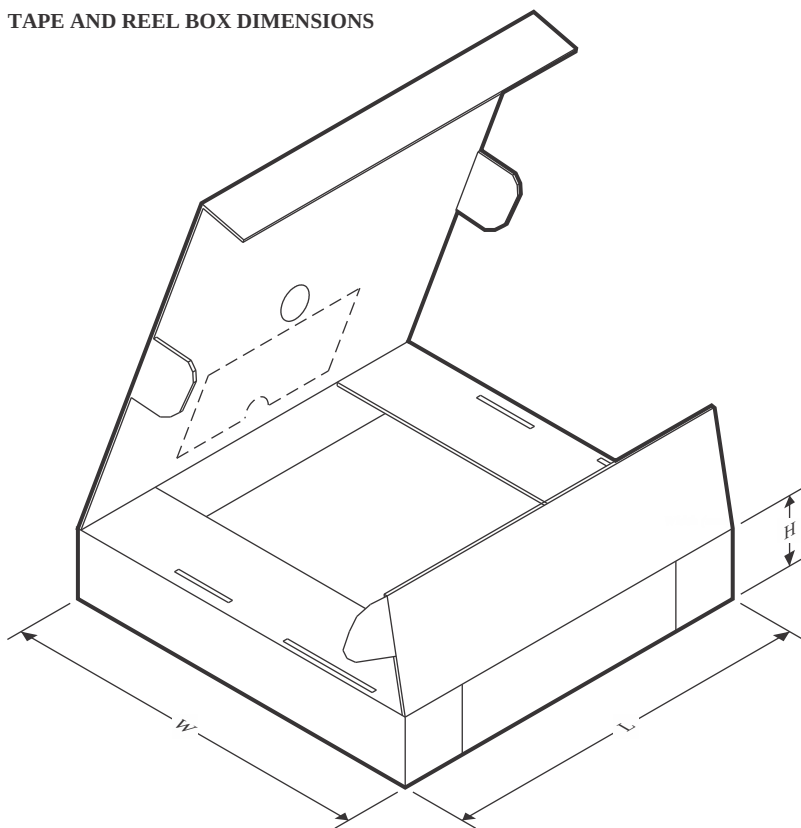
## TAPE AND REEL INFORMATION



\*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 |
|-----------------|--------------|-----------------|------|------|--------------------|--------------------|---------|---------|---------|---------|--------|---------------|
| MSP430F6747IPZR | LQFP         | PZ              | 100  | 1000 | 330.0              | 24.4               | 17.0    | 17.0    | 2.1     | 20.0    | 24.0   | Q2            |
| MSP430F6765IPZR | LQFP         | PZ              | 100  | 1000 | 330.0              | 24.4               | 17.0    | 17.0    | 2.1     | 20.0    | 24.0   | Q2            |
| MSP430F6775IPZR | LQFP         | PZ              | 100  | 1000 | 330.0              | 24.4               | 17.0    | 17.0    | 2.1     | 20.0    | 24.0   | Q2            |
| MSP430F6777IPZR | LQFP         | PZ              | 100  | 1000 | 330.0              | 24.4               | 17.0    | 17.0    | 2.1     | 20.0    | 24.0   | Q2            |
| MSP430F6779IPZR | LQFP         | PZ              | 100  | 1000 | 330.0              | 24.4               | 17.0    | 17.0    | 2.1     | 20.0    | 24.0   | Q2            |

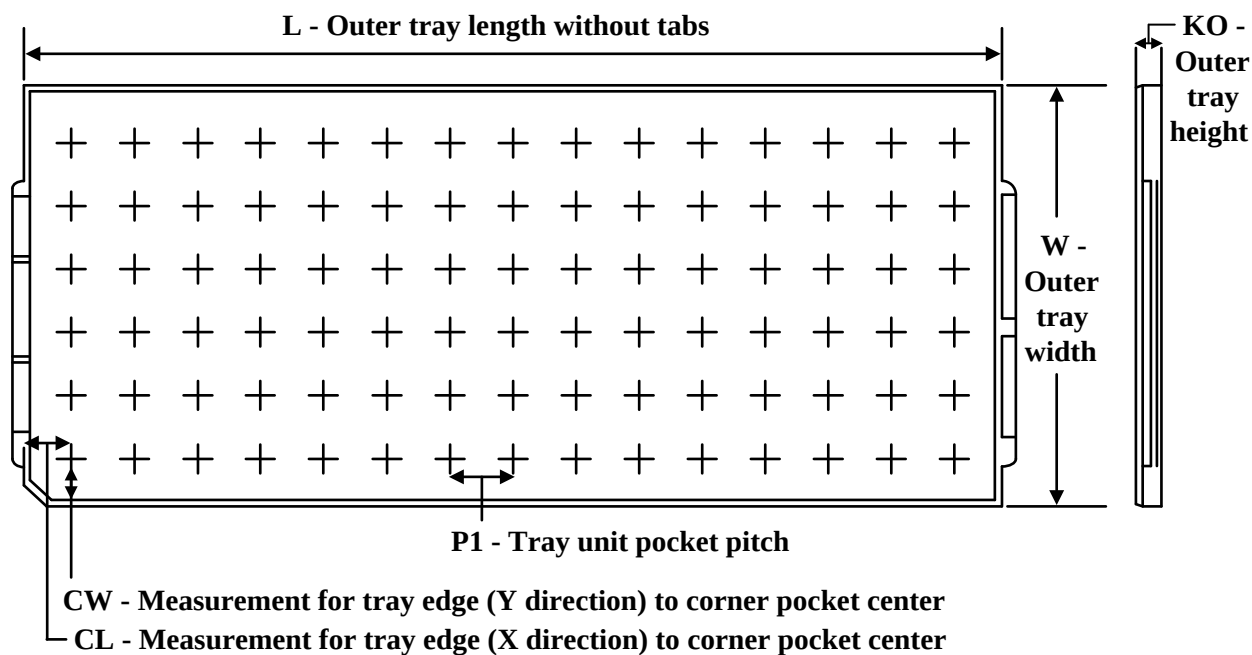
## TAPE AND REEL BOX DIMENSIONS



\*All dimensions are nominal

| Device          | Package Type | Package Drawing | Pins | SPQ  | Length (mm) | Width (mm) | Height (mm) |
|-----------------|--------------|-----------------|------|------|-------------|------------|-------------|
| MSP430F6747IPZR | LQFP         | PZ              | 100  | 1000 | 350.0       | 350.0      | 43.0        |
| MSP430F6765IPZR | LQFP         | PZ              | 100  | 1000 | 350.0       | 350.0      | 43.0        |
| MSP430F6775IPZR | LQFP         | PZ              | 100  | 1000 | 350.0       | 350.0      | 43.0        |
| MSP430F6777IPZR | LQFP         | PZ              | 100  | 1000 | 350.0       | 350.0      | 43.0        |
| MSP430F6779IPZR | LQFP         | PZ              | 100  | 1000 | 350.0       | 350.0      | 43.0        |

## 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) |
|-------------------|--------------|--------------|------|-----|-------------------|----------------------|--------|--------|---------|---------|---------|---------|
| MSP430F6745IPEU   | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6745IPEU.B | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6745IPZ    | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6745IPZ.B  | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6746IPEU   | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6746IPEU.B | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6746IPZ    | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6746IPZ.B  | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6747IPEU   | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6747IPEU.B | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6747IPZ    | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6747IPZ.B  | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6748IPEU   | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6748IPEU.B | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6748IPZ    | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6748IPZ.B  | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6749IPEU   | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |

| 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) |
|-------------------|--------------|--------------|------|-----|-------------------|----------------------|--------|--------|---------|---------|---------|---------|
| MSP430F6749IPEU.B | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6749IPZ    | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6749IPZ.B  | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6765IPEU   | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6765IPEU.B | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6765IPZ    | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6765IPZ.B  | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6766IPEU   | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6766IPEU.B | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6766IPZ    | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6766IPZ.B  | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6767IPEU   | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6767IPEU.B | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6767IPZ    | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6767IPZ.B  | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6768IPEU   | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6768IPEU.B | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6768IPZ    | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6768IPZ.B  | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6769IPEU   | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6769IPEU.B | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6769IPZ    | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6769IPZ.B  | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6775IPEU   | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6775IPEU.B | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6775IPZ    | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6775IPZ.B  | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6776IPEU   | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6776IPEU.B | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6776IPZ    | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6776IPZ.B  | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6777IPEU   | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6777IPEU.B | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6777IPZ    | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6777IPZ.B  | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6778IPEU   | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6778IPEU.B | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6778IPZ    | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6778IPZ.B  | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6779IPEU   | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |
| MSP430F6779IPEU.B | PEU          | LQFP         | 128  | 72  | 6X12              | 150                  | 315    | 135.9  | 7620    | 25.4    | 17.8    | 15.45   |

| 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) |
|------------------|--------------|--------------|------|-----|-------------------|----------------------|--------|--------|---------|---------|---------|---------|
| MSP430F6779IPZ   | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |
| MSP430F6779IPZ.B | PZ           | LQFP         | 100  | 90  | 6 x 15            | 150                  | 315    | 135.9  | 7620    | 20.3    | 15.4    | 15.45   |