

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 |
|-----------------|--------------|-----------------|------|------|--------------------|--------------------|---------|---------|---------|---------|--------|---------------|
| 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) |
|-----------------|--------------|-----------------|------|------|-------------|------------|-------------|
| MSP430F67471PZR | LQFP | PZ | 100 | 1000 | 350.0 | 350.0 | 43.0 |
| MSP430F67651PZR | LQFP | PZ | 100 | 1000 | 350.0 | 350.0 | 43.0 |
| MSP430F67751PZR | LQFP | PZ | 100 | 1000 | 350.0 | 350.0 | 43.0 |
| MSP430F67771PZR | LQFP | PZ | 100 | 1000 | 350.0 | 350.0 | 43.0 |
| MSP430F67791PZR | 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 |
| MSP430F6745IPZ | 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 |
| MSP430F6746IPZ | 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 |
| MSP430F6747IPZ | 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 |
| MSP430F6748IPZ | 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 |
| MSP430F6749IPZ | 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 |
| MSP430F6765IPZ | 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 |
| MSP430F6766IPZ | 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 |
| MSP430F6767IPZ | 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 |

| 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) |
|-----------------|--------------|--------------|------|-----|-------------------|----------------------|--------|--------|---------|---------|---------|---------|
| MSP430F6768IPZ | 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 |
| MSP430F6769IPZ | 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 |
| MSP430F6775IPZ | 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 |
| MSP430F6776IPZ | 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 |
| MSP430F6777IPZ | 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 |
| MSP430F6778IPZ | 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 |
| MSP430F6779IPZ | PZ | LQFP | 100 | 90 | 6 x 15 | 150 | 315 | 135.9 | 7620 | 20.3 | 15.4 | 15.45 |