

**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 |
|-----------------|--------------|-----------------|------|------|--------------------|--------------------|---------|---------|---------|---------|--------|---------------|
| MSP430FE423IPMR | LQFP         | PM              | 64   | 1000 | 330.0              | 24.4               | 13.0    | 13.0    | 2.1     | 16.0    | 24.0   | Q2            |
| MSP430FE425IPMR | LQFP         | PM              | 64   | 1000 | 330.0              | 24.4               | 13.0    | 13.0    | 2.1     | 16.0    | 24.0   | Q2            |
| MSP430FE427IPMR | LQFP         | PM              | 64   | 1000 | 330.0              | 24.4               | 13.0    | 13.0    | 2.1     | 16.0    | 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) |
|-----------------|--------------|-----------------|------|------|-------------|------------|-------------|
| MSP430FE423IPMR | LQFP         | PM              | 64   | 1000 | 336.6       | 336.6      | 41.3        |
| MSP430FE425IPMR | LQFP         | PM              | 64   | 1000 | 336.6       | 336.6      | 41.3        |
| MSP430FE427IPMR | LQFP         | PM              | 64   | 1000 | 336.6       | 336.6      | 41.3        |

**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) |
|----------------|--------------|--------------|------|-----|-------------------|----------------------|--------|--------|---------|---------|---------|---------|
| MSP430FE423IPM | PM           | LQFP         | 64   | 160 | 8 X 20            | 150                  | 315    | 135.9  | 7620    | 15.2    | 13.1    | 13      |
| MSP430FE423IPM | PM           | LQFP         | 64   | 160 | 8 x 20            | 150                  | 315    | 135.9  | 7620    | 15.2    | 13.1    | 13      |
| MSP430FE425IPM | PM           | LQFP         | 64   | 160 | 8 x 20            | 150                  | 315    | 135.9  | 7620    | 15.2    | 13.1    | 13      |
| MSP430FE425IPM | PM           | LQFP         | 64   | 160 | 8 X 20            | 150                  | 315    | 135.9  | 7620    | 15.2    | 13.1    | 13      |
| MSP430FE427IPM | PM           | LQFP         | 64   | 160 | 8 X 20            | 150                  | 315    | 135.9  | 7620    | 15.2    | 13.1    | 13      |
| MSP430FE427IPM | PM           | LQFP         | 64   | 160 | 8 x 20            | 150                  | 315    | 135.9  | 7620    | 15.2    | 13.1    | 13      |