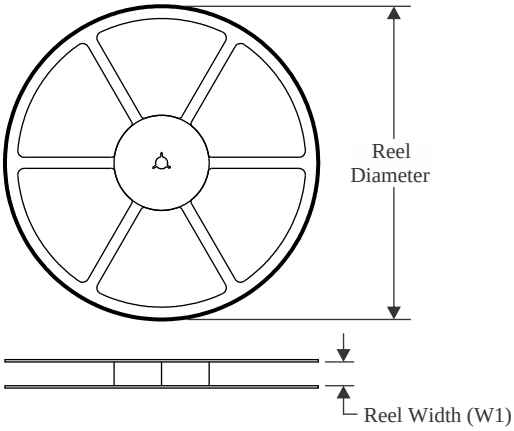
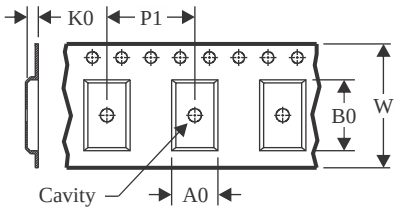
## TAPE AND REEL INFORMATION

**REEL DIMENSIONS**

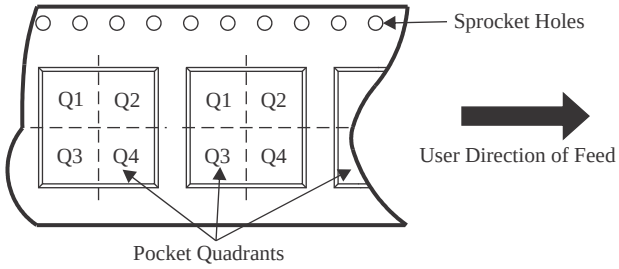



**TAPE DIMENSIONS**




| | |
|---|---|
| A0 | Dimension designed to accommodate the component width |
| B0 | Dimension designed to accommodate the component length |
| K0 | Dimension designed to accommodate the component thickness |
| W | Overall width of the carrier tape |
| P1 | Pitch between successive cavity centers |

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

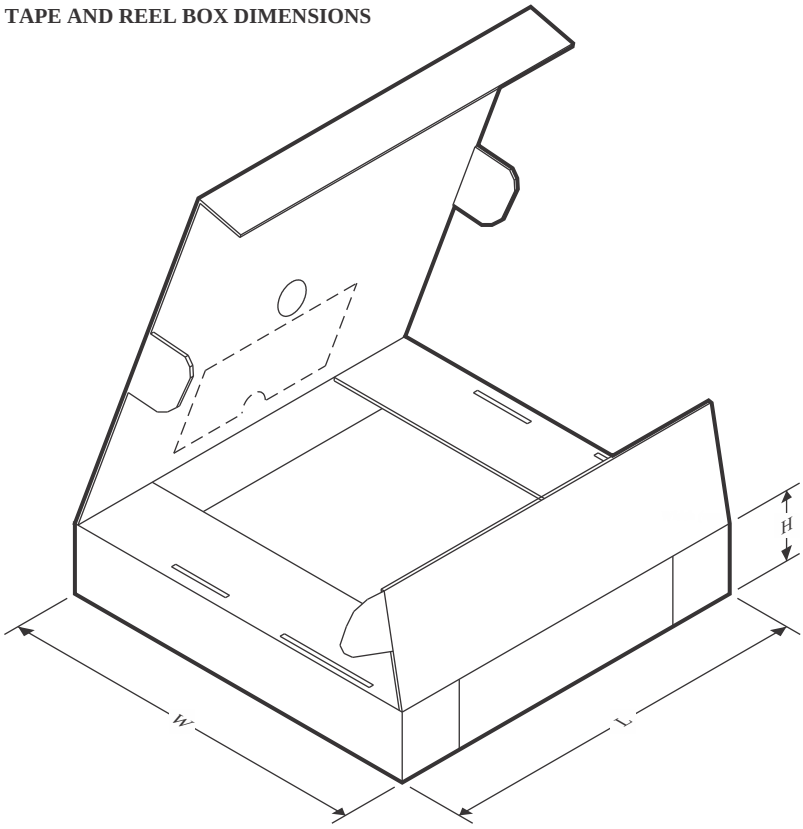



*All dimensions are nominal

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M430FR5738IRGERG4 | VQFN | RGE | 24 | 3000 | 330.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| MSP430FR5730IRGER | VQFN | RGE | 24 | 3000 | 330.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| MSP430FR5730IRGER | VQFN | RGE | 24 | 3000 | 330.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| MSP430FR5730IRGET | VQFN | RGE | 24 | 250 | 180.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| MSP430FR5730IRGET | VQFN | RGE | 24 | 250 | 180.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| MSP430FR5731IRHAT | VQFN | RHA | 40 | 250 | 180.0 | 16.4 | 6.3 | 6.3 | 1.1 | 12.0 | 16.0 | Q2 |
| MSP430FR5731IRHAT | VQFN | RHA | 40 | 250 | 180.0 | 16.4 | 6.3 | 6.3 | 1.1 | 12.0 | 16.0 | Q2 |
| MSP430FR5732IRGET | VQFN | RGE | 24 | 250 | 180.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| MSP430FR5732IRGET | VQFN | RGE | 24 | 250 | 180.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| MSP430FR5733IRHAR | VQFN | RHA | 40 | 2500 | 330.0 | 16.4 | 6.3 | 6.3 | 1.1 | 12.0 | 16.0 | Q2 |
| MSP430FR5733IRHAR | VQFN | RHA | 40 | 2500 | 330.0 | 16.4 | 6.3 | 6.3 | 1.1 | 12.0 | 16.0 | Q2 |
| MSP430FR5733IRHAT | VQFN | RHA | 40 | 250 | 180.0 | 16.4 | 6.3 | 6.3 | 1.1 | 12.0 | 16.0 | Q2 |
| MSP430FR5733IRHAT | VQFN | RHA | 40 | 250 | 180.0 | 16.4 | 6.3 | 6.3 | 1.1 | 12.0 | 16.0 | Q2 |
| MSP430FR5734IPWR | TSSOP | PW | 28 | 2000 | 330.0 | 16.4 | 6.9 | 10.2 | 1.8 | 12.0 | 16.0 | Q1 |
| MSP430FR5735IDAR | TSSOP | DA | 38 | 2000 | 330.0 | 24.4 | 8.6 | 13.0 | 1.8 | 12.0 | 24.0 | Q1 |
| MSP430FR5735IRHAR | VQFN | RHA | 40 | 2500 | 330.0 | 16.4 | 6.3 | 6.3 | 1.1 | 12.0 | 16.0 | Q2 |

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MSP430FR5735IRHAR | VQFN | RHA | 40 | 2500 | 330.0 | 16.4 | 6.3 | 6.3 | 1.1 | 12.0 | 16.0 | Q2 |
| MSP430FR5735IRHAT | VQFN | RHA | 40 | 250 | 180.0 | 16.4 | 6.3 | 6.3 | 1.1 | 12.0 | 16.0 | Q2 |
| MSP430FR5735IRHAT | VQFN | RHA | 40 | 250 | 180.0 | 16.4 | 6.3 | 6.3 | 1.1 | 12.0 | 16.0 | Q2 |
| MSP430FR5736IRGER | VQFN | RGE | 24 | 3000 | 330.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| MSP430FR5736IRGER | VQFN | RGE | 24 | 3000 | 330.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| MSP430FR5736IRGET | VQFN | RGE | 24 | 250 | 180.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| MSP430FR5736IRGET | VQFN | RGE | 24 | 250 | 180.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| MSP430FR5737IRHAT | VQFN | RHA | 40 | 250 | 180.0 | 16.4 | 6.3 | 6.3 | 1.1 | 12.0 | 16.0 | Q2 |
| MSP430FR5737IRHAT | VQFN | RHA | 40 | 250 | 180.0 | 16.4 | 6.3 | 6.3 | 1.1 | 12.0 | 16.0 | Q2 |
| MSP430FR5738IPWR | TSSOP | PW | 28 | 2000 | 330.0 | 16.4 | 6.9 | 10.2 | 1.8 | 12.0 | 16.0 | Q1 |
| MSP430FR5738IRGER | VQFN | RGE | 24 | 3000 | 330.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| MSP430FR5738IRGER | VQFN | RGE | 24 | 3000 | 330.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| MSP430FR5738IRGET | VQFN | RGE | 24 | 250 | 180.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| MSP430FR5738IRGET | VQFN | RGE | 24 | 250 | 180.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| MSP430FR5739IDAR | TSSOP | DA | 38 | 2000 | 330.0 | 24.4 | 8.6 | 13.0 | 1.8 | 12.0 | 24.0 | Q1 |
| MSP430FR5739IRHAR | VQFN | RHA | 40 | 2500 | 330.0 | 16.4 | 6.3 | 6.3 | 1.1 | 12.0 | 16.0 | Q2 |
| MSP430FR5739IRHAR | VQFN | RHA | 40 | 2500 | 330.0 | 16.4 | 6.3 | 6.3 | 1.1 | 12.0 | 16.0 | Q2 |
| MSP430FR5739IRHAT | VQFN | RHA | 40 | 250 | 180.0 | 16.4 | 6.3 | 6.3 | 1.1 | 12.0 | 16.0 | Q2 |
| MSP430FR5739IRHAT | VQFN | RHA | 40 | 250 | 180.0 | 16.4 | 6.3 | 6.3 | 1.1 | 12.0 | 16.0 | Q2 |

TAPE AND REEL BOX DIMENSIONS

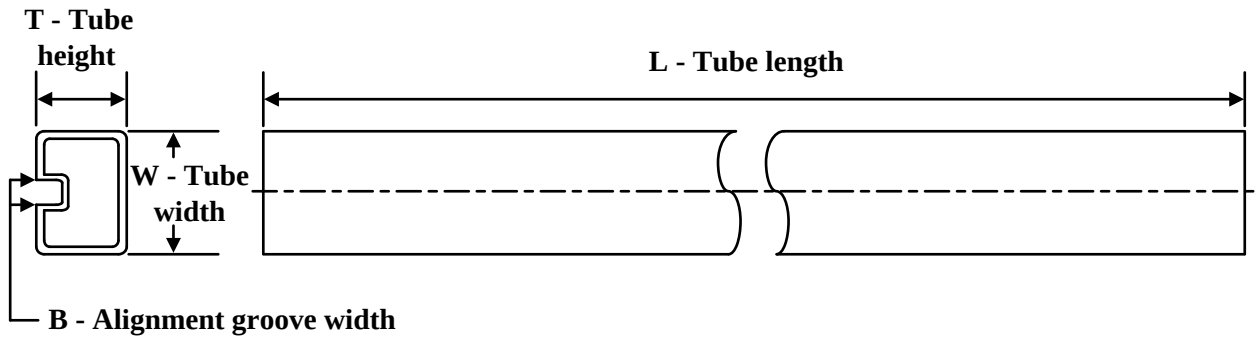



*All dimensions are nominal

| Device | Package Type | Package Drawing | Pins | SPQ | Length (mm) | Width (mm) | Height (mm) |
|---|---|---|---|---|---|---|---|
| M430FR5738IRGERG4 | VQFN | RGE | 24 | 3000 | 346.0 | 346.0 | 33.0 |
| MSP430FR5730IRGER | VQFN | RGE | 24 | 3000 | 353.0 | 353.0 | 32.0 |
| MSP430FR5730IRGER | VQFN | RGE | 24 | 3000 | 346.0 | 346.0 | 33.0 |
| MSP430FR5730IRGET | VQFN | RGE | 24 | 250 | 210.0 | 185.0 | 35.0 |
| MSP430FR5730IRGET | VQFN | RGE | 24 | 250 | 213.0 | 191.0 | 35.0 |
| MSP430FR5731IRHAT | VQFN | RHA | 40 | 250 | 213.0 | 191.0 | 35.0 |
| MSP430FR5731IRHAT | VQFN | RHA | 40 | 250 | 210.0 | 185.0 | 35.0 |
| MSP430FR5732IRGET | VQFN | RGE | 24 | 250 | 213.0 | 191.0 | 35.0 |
| MSP430FR5732IRGET | VQFN | RGE | 24 | 250 | 210.0 | 185.0 | 35.0 |
| MSP430FR5733IRHAR | VQFN | RHA | 40 | 2500 | 367.0 | 367.0 | 38.0 |
| MSP430FR5733IRHAR | VQFN | RHA | 40 | 2500 | 353.0 | 353.0 | 32.0 |
| MSP430FR5733IRHAT | VQFN | RHA | 40 | 250 | 210.0 | 185.0 | 35.0 |
| MSP430FR5733IRHAT | VQFN | RHA | 40 | 250 | 213.0 | 191.0 | 35.0 |
| MSP430FR5734IPWR | TSSOP | PW | 28 | 2000 | 350.0 | 350.0 | 43.0 |
| MSP430FR5735IDAR | TSSOP | DA | 38 | 2000 | 350.0 | 350.0 | 43.0 |
| MSP430FR5735IRHAR | VQFN | RHA | 40 | 2500 | 353.0 | 353.0 | 32.0 |
| MSP430FR5735IRHAR | VQFN | RHA | 40 | 2500 | 367.0 | 367.0 | 38.0 |
| MSP430FR5735IRHAT | VQFN | RHA | 40 | 250 | 210.0 | 185.0 | 35.0 |

| Device | Package Type | Package Drawing | Pins | SPQ | Length (mm) | Width (mm) | Height (mm) |
|---|---|---|---|---|---|---|---|
| MSP430FR5735IRHAT | VQFN | RHA | 40 | 250 | 213.0 | 191.0 | 35.0 |
| MSP430FR5736IRGER | VQFN | RGE | 24 | 3000 | 353.0 | 353.0 | 32.0 |
| MSP430FR5736IRGER | VQFN | RGE | 24 | 3000 | 346.0 | 346.0 | 33.0 |
| MSP430FR5736IRGET | VQFN | RGE | 24 | 250 | 210.0 | 185.0 | 35.0 |
| MSP430FR5736IRGET | VQFN | RGE | 24 | 250 | 213.0 | 191.0 | 35.0 |
| MSP430FR5737IRHAT | VQFN | RHA | 40 | 250 | 213.0 | 191.0 | 35.0 |
| MSP430FR5737IRHAT | VQFN | RHA | 40 | 250 | 210.0 | 185.0 | 35.0 |
| MSP430FR5738IPWR | TSSOP | PW | 28 | 2000 | 350.0 | 350.0 | 43.0 |
| MSP430FR5738IRGER | VQFN | RGE | 24 | 3000 | 346.0 | 346.0 | 33.0 |
| MSP430FR5738IRGER | VQFN | RGE | 24 | 3000 | 353.0 | 353.0 | 32.0 |
| MSP430FR5738IRGET | VQFN | RGE | 24 | 250 | 213.0 | 191.0 | 35.0 |
| MSP430FR5738IRGET | VQFN | RGE | 24 | 250 | 210.0 | 185.0 | 35.0 |
| MSP430FR5739IDAR | TSSOP | DA | 38 | 2000 | 350.0 | 350.0 | 43.0 |
| MSP430FR5739IRHAR | VQFN | RHA | 40 | 2500 | 353.0 | 353.0 | 32.0 |
| MSP430FR5739IRHAR | VQFN | RHA | 40 | 2500 | 367.0 | 367.0 | 38.0 |
| MSP430FR5739IRHAT | VQFN | RHA | 40 | 250 | 210.0 | 185.0 | 35.0 |
| MSP430FR5739IRHAT | VQFN | RHA | 40 | 250 | 213.0 | 191.0 | 35.0 |

## TUBE




*All dimensions are nominal

| Device | Package Name | Package Type | Pins | SPQ | L (mm) | W (mm) | T (µm) | B (mm) |
|---|---|---|---|---|---|---|---|---|
| MSP430FR5730IPW | PW | TSSOP | 28 | 50 | 530 | 10.2 | 3600 | 3.5 |
| MSP430FR5730IPW.A | PW | TSSOP | 28 | 50 | 530 | 10.2 | 3600 | 3.5 |
| MSP430FR5732IPW | PW | TSSOP | 28 | 50 | 530 | 10.2 | 3600 | 3.5 |
| MSP430FR5732IPW.A | PW | TSSOP | 28 | 50 | 530 | 10.2 | 3600 | 3.5 |
| MSP430FR5734IPW | PW | TSSOP | 28 | 50 | 530 | 10.2 | 3600 | 3.5 |
| MSP430FR5734IPW.A | PW | TSSOP | 28 | 50 | 530 | 10.2 | 3600 | 3.5 |
| MSP430FR5735IDA | DA | TSSOP | 38 | 40 | 530 | 11.89 | 3600 | 4.9 |
| MSP430FR5735IDA.A | DA | TSSOP | 38 | 40 | 530 | 11.89 | 3600 | 4.9 |
| MSP430FR5736IPW | PW | TSSOP | 28 | 50 | 530 | 10.2 | 3600 | 3.5 |
| MSP430FR5736IPW.A | PW | TSSOP | 28 | 50 | 530 | 10.2 | 3600 | 3.5 |
| MSP430FR5738IPW | PW | TSSOP | 28 | 50 | 530 | 10.2 | 3600 | 3.5 |
| MSP430FR5738IPW.A | PW | TSSOP | 28 | 50 | 530 | 10.2 | 3600 | 3.5 |
| MSP430FR5739IDA | DA | TSSOP | 38 | 40 | 530 | 11.89 | 3600 | 4.9 |
| MSP430FR5739IDA.A | DA | TSSOP | 38 | 40 | 530 | 11.89 | 3600 | 4.9 |