

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 |
|--------------|--------------|-----------------|------|------|--------------------|--------------------|---------|---------|---------|---------|--------|---------------|
| BQ24160ARGER | VQFN | RGE | 24 | 3000 | 330.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| BQ24160ARGET | VQFN | RGE | 24 | 250 | 180.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| BQ24160RGER | VQFN | RGE | 24 | 3000 | 330.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| BQ24160RGET | VQFN | RGE | 24 | 250 | 180.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| BQ24160YFFR | DSBGA | YFF | 49 | 3000 | 180.0 | 8.4 | 2.93 | 2.93 | 0.81 | 4.0 | 8.0 | Q1 |
| BQ24160YFFT | DSBGA | YFF | 49 | 250 | 180.0 | 8.4 | 2.93 | 2.93 | 0.81 | 4.0 | 8.0 | Q1 |
| BQ24161BRGER | VQFN | RGE | 24 | 3000 | 330.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| BQ24161BRGET | VQFN | RGE | 24 | 250 | 180.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| BQ24161BYFFR | DSBGA | YFF | 49 | 3000 | 180.0 | 8.4 | 2.93 | 2.93 | 0.81 | 4.0 | 8.0 | Q1 |
| BQ24161RGER | VQFN | RGE | 24 | 3000 | 330.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| BQ24161RGET | VQFN | RGE | 24 | 250 | 180.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| BQ24161YFFR | DSBGA | YFF | 49 | 3000 | 180.0 | 8.4 | 2.93 | 2.93 | 0.81 | 4.0 | 8.0 | Q1 |
| BQ24161YFFT | DSBGA | YFF | 49 | 250 | 180.0 | 8.4 | 2.93 | 2.93 | 0.81 | 4.0 | 8.0 | Q1 |
| BQ24163RGER | VQFN | RGE | 24 | 3000 | 330.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| BQ24163RGET | VQFN | RGE | 24 | 250 | 180.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| BQ24163YFFR | DSBGA | YFF | 49 | 3000 | 180.0 | 8.4 | 2.93 | 2.93 | 0.81 | 4.0 | 8.0 | Q1 |

| 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 |
|-------------|--------------|-----------------|------|------|--------------------|--------------------|---------|---------|---------|---------|--------|---------------|
| BQ24163YFFT | DSBGA | YFF | 49 | 250 | 180.0 | 8.4 | 2.93 | 2.93 | 0.81 | 4.0 | 8.0 | Q1 |
| BQ24168RGER | VQFN | RGE | 24 | 3000 | 330.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| BQ24168RGET | VQFN | RGE | 24 | 250 | 180.0 | 12.4 | 4.25 | 4.25 | 1.15 | 8.0 | 12.0 | Q2 |
| BQ24168YFFR | DSBGA | YFF | 49 | 3000 | 180.0 | 8.4 | 2.93 | 2.93 | 0.81 | 4.0 | 8.0 | Q1 |
| BQ24168YFFT | DSBGA | YFF | 49 | 250 | 180.0 | 8.4 | 2.93 | 2.93 | 0.81 | 4.0 | 8.0 | Q1 |

TAPE AND REEL BOX DIMENSIONS


*All dimensions are nominal

| Device | Package Type | Package Drawing | Pins | SPQ | Length (mm) | Width (mm) | Height (mm) |
|--------------|--------------|-----------------|------|------|-------------|------------|-------------|
| BQ24160ARGER | VQFN | RGE | 24 | 3000 | 346.0 | 346.0 | 33.0 |
| BQ24160ARGET | VQFN | RGE | 24 | 250 | 182.0 | 182.0 | 20.0 |
| BQ24160RGER | VQFN | RGE | 24 | 3000 | 346.0 | 346.0 | 33.0 |
| BQ24160RGET | VQFN | RGE | 24 | 250 | 182.0 | 182.0 | 20.0 |
| BQ24160YFFR | DSBGA | YFF | 49 | 3000 | 182.0 | 182.0 | 20.0 |
| BQ24160YFFT | DSBGA | YFF | 49 | 250 | 182.0 | 182.0 | 20.0 |
| BQ24161BRGER | VQFN | RGE | 24 | 3000 | 346.0 | 346.0 | 33.0 |
| BQ24161BRGET | VQFN | RGE | 24 | 250 | 182.0 | 182.0 | 20.0 |
| BQ24161BYFFR | DSBGA | YFF | 49 | 3000 | 182.0 | 182.0 | 20.0 |
| BQ24161RGER | VQFN | RGE | 24 | 3000 | 346.0 | 346.0 | 33.0 |
| BQ24161RGET | VQFN | RGE | 24 | 250 | 182.0 | 182.0 | 20.0 |
| BQ24161YFFR | DSBGA | YFF | 49 | 3000 | 182.0 | 182.0 | 20.0 |
| BQ24161YFFT | DSBGA | YFF | 49 | 250 | 182.0 | 182.0 | 20.0 |
| BQ24163RGER | VQFN | RGE | 24 | 3000 | 346.0 | 346.0 | 33.0 |
| BQ24163RGET | VQFN | RGE | 24 | 250 | 182.0 | 182.0 | 20.0 |
| BQ24163YFFR | DSBGA | YFF | 49 | 3000 | 182.0 | 182.0 | 20.0 |
| BQ24163YFFT | DSBGA | YFF | 49 | 250 | 182.0 | 182.0 | 20.0 |
| BQ24168RGER | VQFN | RGE | 24 | 3000 | 346.0 | 346.0 | 33.0 |

| Device | Package Type | Package Drawing | Pins | SPQ | Length (mm) | Width (mm) | Height (mm) |
|-------------|--------------|-----------------|------|------|-------------|------------|-------------|
| BQ24168RGET | VQFN | RGE | 24 | 250 | 182.0 | 182.0 | 20.0 |
| BQ24168YFFR | DSBGA | YFF | 49 | 3000 | 182.0 | 182.0 | 20.0 |
| BQ24168YFFT | DSBGA | YFF | 49 | 250 | 182.0 | 182.0 | 20.0 |