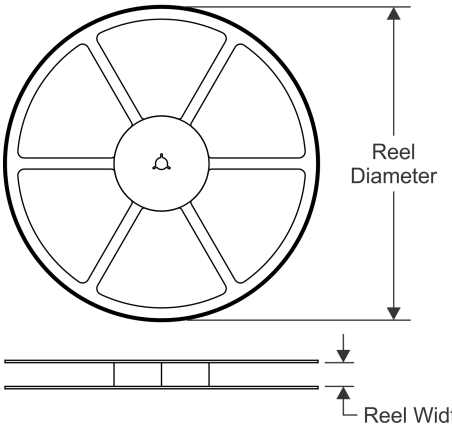
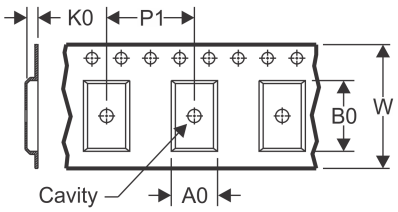
TAPE AND REEL INFORMATION

REEL DIMENSIONS

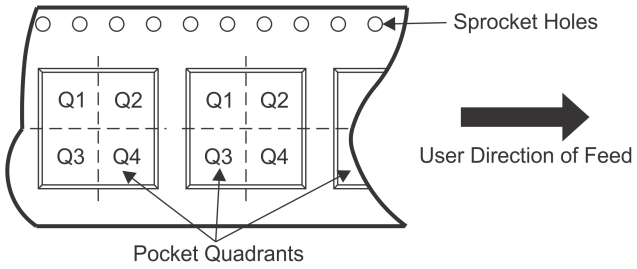


TAPE DIMENSIONS



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

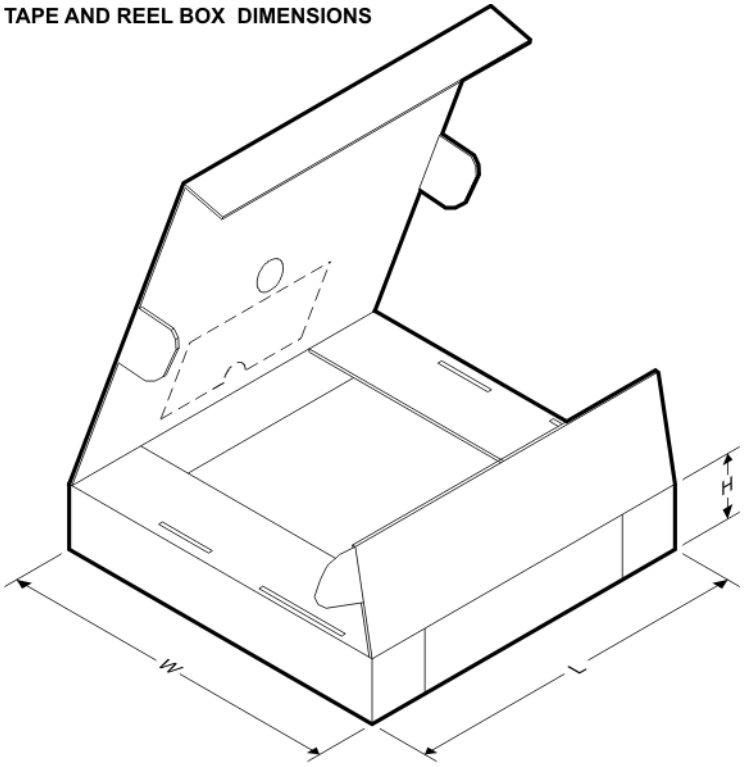
QUADRANT ASSIGNMENTS FOR PIN 1 ORIENTATION IN TAPE



*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
MSP430F6433IZQWR	BGA MICROSTAR JUNIOR	ZQW	113	2500	330.0	16.4	7.3	7.3	1.5	12.0	16.0	Q1
MSP430F6433IZQWT	BGA MICROSTAR JUNIOR	ZQW	113	250	180.0	16.4	7.3	7.3	1.5	12.0	16.0	Q1
MSP430F6435IZQWR	BGA MICROSTAR JUNIOR	ZQW	113	2500	330.0	16.4	7.3	7.3	1.5	12.0	16.0	Q1
MSP430F6435IZQWT	BGA MICROSTAR JUNIOR	ZQW	113	250	180.0	16.4	7.3	7.3	1.5	12.0	16.0	Q1
MSP430F6436IPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F6438IPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F6438IZQWR	BGA MICROSTAR JUNIOR	ZQW	113	2500	330.0	16.4	7.3	7.3	1.5	12.0	16.0	Q1

TAPE AND REEL BOX DIMENSIONS



*All dimensions are nominal

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
MSP430F6433IZQWR	BGA MICROSTAR JUNIOR	ZQW	113	2500	350.0	350.0	43.0
MSP430F6433IZQWT	BGA MICROSTAR JUNIOR	ZQW	113	250	213.0	191.0	55.0
MSP430F6435IZQWR	BGA MICROSTAR JUNIOR	ZQW	113	2500	350.0	350.0	43.0
MSP430F6435IZQWT	BGA MICROSTAR JUNIOR	ZQW	113	250	213.0	191.0	55.0
MSP430F6436IPZR	LQFP	PZ	100	1000	367.0	367.0	45.0
MSP430F6438IPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F6438IZQWR	BGA MICROSTAR JUNIOR	ZQW	113	2500	350.0	350.0	43.0