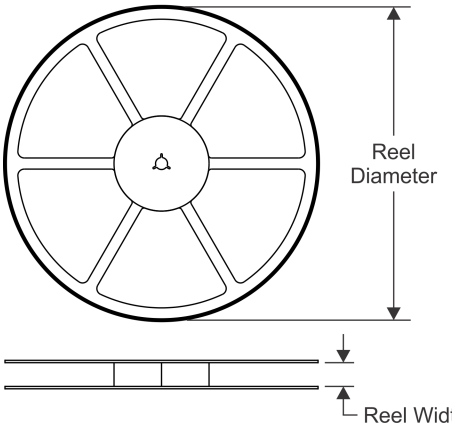
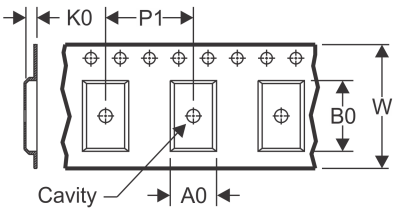
TAPE AND REEL INFORMATION

REEL DIMENSIONS

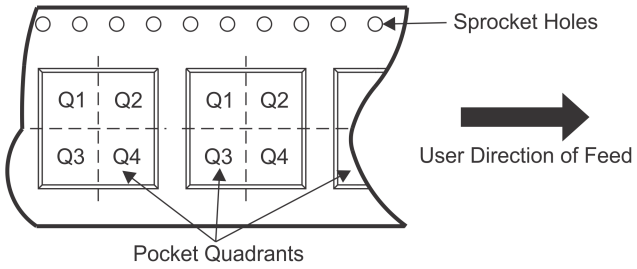


TAPE DIMENSIONS



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

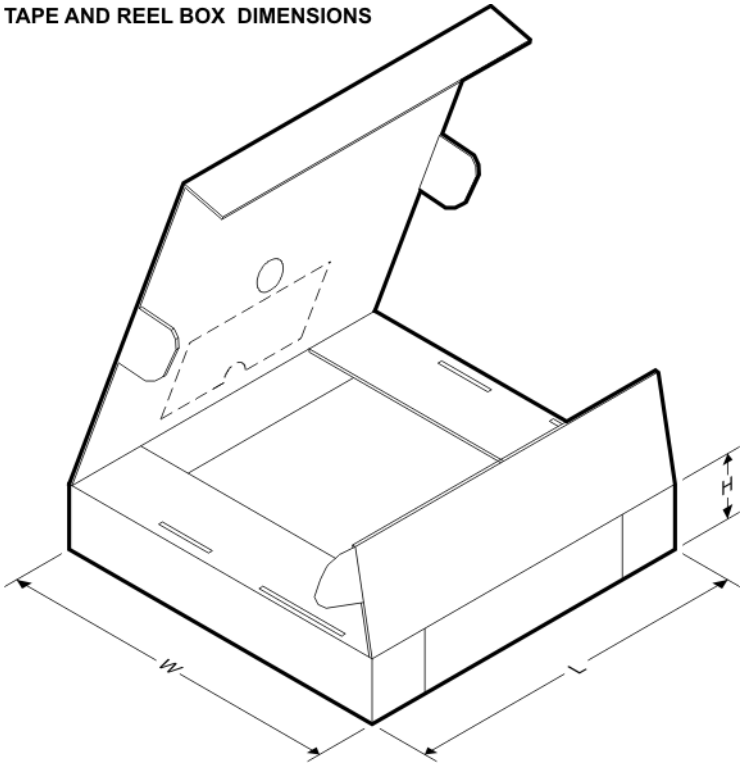


*All dimensions are nominal

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
MSP430F6632IPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F6633IPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F6633IZQWR	BGA MICROSTAR JUNIOR	ZQW	113	2500	330.0	16.4	7.3	7.3	1.5	12.0	16.0	Q1
MSP430F6633IZQWT	BGA MICROSTAR JUNIOR	ZQW	113	250	180.0	16.4	7.3	7.3	1.5	12.0	16.0	Q1
MSP430F6634IZQWR	BGA MICROSTAR JUNIOR	ZQW	113	2500	330.0	16.4	7.3	7.3	1.5	12.0	16.0	Q1
MSP430F6635IPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F6635IZQWR	BGA MICROSTAR JUNIOR	ZQW	113	2500	330.0	16.4	7.3	7.3	1.5	12.0	16.0	Q1
MSP430F6636IZQWR	BGA MICROSTAR JUNI	ZQW	113	2500	330.0	16.4	7.3	7.3	1.5	12.0	16.0	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
	OR											
MSP430F6638IPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F6638IZQWR	BGA MICROSTAR JUNIOR	ZQW	113	2500	330.0	16.4	7.3	7.3	1.5	12.0	16.0	Q1
MSP430F6638IZQWT	BGA MICROSTAR JUNIOR	ZQW	113	250	180.0	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)
MSP430F6632IPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F6633IPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F6633IZQWR	BGA MICROSTAR JUNIOR	ZQW	113	2500	350.0	350.0	43.0
MSP430F6633IZQWT	BGA MICROSTAR JUNIOR	ZQW	113	250	213.0	191.0	55.0
MSP430F6634IZQWR	BGA MICROSTAR JUNIOR	ZQW	113	2500	350.0	350.0	43.0
MSP430F6635IPZR	LQFP	PZ	100	1000	350.0	350.0	43.0

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
MSP430F6635IZQWR	BGA MICROSTAR JUNIOR	ZQW	113	2500	350.0	350.0	43.0
MSP430F6636IZQWR	BGA MICROSTAR JUNIOR	ZQW	113	2500	350.0	350.0	43.0
MSP430F6638IPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F6638IZQWR	BGA MICROSTAR JUNIOR	ZQW	113	2500	350.0	350.0	43.0
MSP430F6638IZQWT	BGA MICROSTAR JUNIOR	ZQW	113	250	213.0	191.0	55.0