

**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
MSP430F5418AIPNR	LQFP	PN	80	1000	330.0	24.4	15.0	15.0	2.1	20.0	24.0	Q2
MSP430F5419AIPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F5419AIZCAR	NFBGA	ZCA	113	2500	330.0	16.4	7.3	7.3	1.5	12.0	16.0	Q1
MSP430F5419AIZCAT	NFBGA	ZCA	113	250	180.0	16.4	7.3	7.3	1.5	12.0	16.0	Q1
MSP430F5435AIPNR	LQFP	PN	80	1000	330.0	24.4	15.0	15.0	2.1	20.0	24.0	Q2
MSP430F5436AIPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F5436AIZCAR	NFBGA	ZCA	113	2500	330.0	16.4	7.3	7.3	1.5	12.0	16.0	Q1
MSP430F5436AIZCAT	NFBGA	ZCA	113	250	180.0	16.4	7.3	7.3	1.5	12.0	16.0	Q1
MSP430F5437AIPNR	LQFP	PN	80	1000	330.0	24.4	15.0	15.0	2.1	20.0	24.0	Q2
MSP430F5438AIPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F5438AIZCAR	NFBGA	ZCA	113	2500	330.0	16.4	7.3	7.3	1.5	12.0	16.0	Q1
MSP430F5438AIZCAT	NFBGA	ZCA	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)
MSP430F5418AIPNR	LQFP	PN	80	1000	350.0	350.0	43.0
MSP430F5419AIPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F5419AIZCAR	NFBGA	ZCA	113	2500	350.0	350.0	43.0
MSP430F5419AIZCAT	NFBGA	ZCA	113	250	213.0	191.0	55.0
MSP430F5435AIPNR	LQFP	PN	80	1000	350.0	350.0	43.0
MSP430F5436AIPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F5436AIZCAR	NFBGA	ZCA	113	2500	350.0	350.0	43.0
MSP430F5436AIZCAT	NFBGA	ZCA	113	250	213.0	191.0	55.0
MSP430F5437AIPNR	LQFP	PN	80	1000	350.0	350.0	43.0
MSP430F5438AIPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F5438AIZCAR	NFBGA	ZCA	113	2500	350.0	350.0	43.0
MSP430F5438AIZCAT	NFBGA	ZCA	113	250	213.0	191.0	55.0