

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
MSP430FG4616IPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430FG4616IZCAR	NFBGA	ZCA	113	2500	330.0	16.4	7.3	7.3	1.5	12.0	16.0	Q1
MSP430FG4617IZCAR	NFBGA	ZCA	113	2500	330.0	16.4	7.3	7.3	1.5	12.0	16.0	Q1
MSP430FG4618IPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430FG4618IZCAR	NFBGA	ZCA	113	2500	330.0	16.4	7.3	7.3	1.5	12.0	16.0	Q1
MSP430FG4618IZCAT	NFBGA	ZCA	113	250	330.0	16.4	7.3	7.3	1.5	12.0	16.0	Q1
MSP430FG4619IPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430FG4619IZCAR	NFBGA	ZCA	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)
MSP430FG4616IPZR	LQFP	PZ	100	1000	367.0	367.0	45.0
MSP430FG4616IZCAR	NFBGA	ZCA	113	2500	341.0	336.6	31.8
MSP430FG4617IZCAR	NFBGA	ZCA	113	2500	341.0	336.6	31.8
MSP430FG4618IPZR	LQFP	PZ	100	1000	367.0	367.0	45.0
MSP430FG4618IZCAR	NFBGA	ZCA	113	2500	341.0	336.6	31.8
MSP430FG4618IZCAT	NFBGA	ZCA	113	250	341.0	336.6	31.8
MSP430FG4619IPZR	LQFP	PZ	100	1000	367.0	367.0	45.0
MSP430FG4619IZCAR	NFBGA	ZCA	113	2500	341.0	336.6	31.8