

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
MSP430FR2032IG48R	TSSOP	DGG	48	2000	330.0	24.4	8.6	13.0	1.8	12.0	24.0	Q1
MSP430FR2032IG56R	TSSOP	DGG	56	2000	330.0	24.4	8.6	15.6	1.8	12.0	24.0	Q1
MSP430FR2032IPMR	LQFP	PM	64	1000	330.0	24.4	13.0	13.0	2.1	16.0	24.0	Q2
MSP430FR2033IG48R	TSSOP	DGG	48	2000	330.0	24.4	8.6	13.0	1.8	12.0	24.0	Q1
MSP430FR2033IG56R	TSSOP	DGG	56	2000	330.0	24.4	8.6	15.6	1.8	12.0	24.0	Q1
MSP430FR2033IPMR	LQFP	PM	64	1000	330.0	24.4	13.0	13.0	2.1	16.0	24.0	Q2

TAPE AND REEL BOX DIMENSIONS


*All dimensions are nominal

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
MSP430FR2032IG48R	TSSOP	DGG	48	2000	350.0	350.0	43.0
MSP430FR2032IG56R	TSSOP	DGG	56	2000	350.0	350.0	43.0
MSP430FR2032IPMR	LQFP	PM	64	1000	350.0	350.0	43.0
MSP430FR2033IG48R	TSSOP	DGG	48	2000	350.0	350.0	43.0
MSP430FR2033IG56R	TSSOP	DGG	56	2000	350.0	350.0	43.0
MSP430FR2033IPMR	LQFP	PM	64	1000	350.0	350.0	43.0