

**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
MSP430F5212IRGZT	VQFN	RGZ	48	250	180.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430F5214IRGZR	VQFN	RGZ	48	2500	330.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430F5217IRGCT	VQFN	RGC	64	250	180.0	16.4	9.3	9.3	1.1	12.0	16.0	Q2
MSP430F5217IYFFR	DSBGA	YFF	64	2500	330.0	12.4	3.54	3.66	0.81	8.0	12.0	Q2
MSP430F5219IYFFT	DSBGA	YFF	64	250	180.0	12.4	3.54	3.66	0.81	8.0	12.0	Q2
MSP430F5222IRGZR	VQFN	RGZ	48	2500	330.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430F5222IRGZT	VQFN	RGZ	48	250	180.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430F5224IRGZR	VQFN	RGZ	48	2500	330.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430F5229IRGCR	VQFN	RGC	64	2000	330.0	16.4	9.3	9.3	1.1	12.0	16.0	Q2
MSP430F5229IRGCT	VQFN	RGC	64	250	180.0	16.4	9.3	9.3	1.1	12.0	16.0	Q2
MSP430F5229IYFFR	DSBGA	YFF	64	2500	330.0	12.4	3.54	3.66	0.81	8.0	12.0	Q2
MSP430F5229IYFFT	DSBGA	YFF	64	250	180.0	12.4	3.54	3.66	0.81	8.0	12.0	Q2

**TAPE AND REEL BOX DIMENSIONS**


\*All dimensions are nominal

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
MSP430F5212IRGZT	VQFN	RGZ	48	250	210.0	185.0	35.0
MSP430F5214IRGZR	VQFN	RGZ	48	2500	367.0	367.0	38.0
MSP430F5217IRGCT	VQFN	RGC	64	250	210.0	185.0	35.0
MSP430F5217IYFFR	DSBGA	YFF	64	2500	335.0	335.0	25.0
MSP430F5219IYFFT	DSBGA	YFF	64	250	182.0	182.0	20.0
MSP430F5222IRGZR	VQFN	RGZ	48	2500	367.0	367.0	38.0
MSP430F5222IRGZT	VQFN	RGZ	48	250	210.0	185.0	35.0
MSP430F5224IRGZR	VQFN	RGZ	48	2500	367.0	367.0	38.0
MSP430F5229IRGCR	VQFN	RGC	64	2000	367.0	367.0	38.0
MSP430F5229IRGCT	VQFN	RGC	64	250	210.0	185.0	35.0
MSP430F5229IYFFR	DSBGA	YFF	64	2500	335.0	335.0	25.0
MSP430F5229IYFFT	DSBGA	YFF	64	250	182.0	182.0	20.0