

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
MSP430F5232IRGZR	VQFN	RGZ	48	2500	330.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430F5232IRGZT	VQFN	RGZ	48	250	180.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430F5234IRGZR	VQFN	RGZ	48	2500	330.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430F5234IRGZT	VQFN	RGZ	48	250	180.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430F5237IRGCR	VQFN	RGC	64	2000	330.0	16.4	9.3	9.3	1.1	12.0	16.0	Q2
MSP430F5237IRGCT	VQFN	RGC	64	250	180.0	16.4	9.3	9.3	1.1	12.0	16.0	Q2
MSP430F5237IZQER	BGA MICROSTAR JUNIOR	ZQE	80	2500	330.0	12.4	5.3	5.3	1.5	8.0	12.0	Q1
MSP430F5239IRGCR	VQFN	RGC	64	2000	330.0	16.4	9.3	9.3	1.1	12.0	16.0	Q2
MSP430F5239IRGCT	VQFN	RGC	64	250	180.0	16.4	9.3	9.3	1.1	12.0	16.0	Q2
MSP430F5239IZQER	BGA MICROSTAR JUNIOR	ZQE	80	2500	330.0	12.4	5.3	5.3	1.5	8.0	12.0	Q1
MSP430F5242IRGZR	VQFN	RGZ	48	2500	330.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430F5242IRGZT	VQFN	RGZ	48	250	180.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430F5244IRGZR	VQFN	RGZ	48	2500	330.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430F5244IRGZT	VQFN	RGZ	48	250	180.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2

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
MSP430F5247IRGCR	VQFN	RGC	64	2000	330.0	16.4	9.3	9.3	1.1	12.0	16.0	Q2
MSP430F5247IRGCT	VQFN	RGC	64	250	180.0	16.4	9.3	9.3	1.1	12.0	16.0	Q2
MSP430F5249IRGCR	VQFN	RGC	64	2000	330.0	16.4	9.3	9.3	1.1	12.0	16.0	Q2
MSP430F5249IRGCT	VQFN	RGC	64	250	180.0	16.4	9.3	9.3	1.1	12.0	16.0	Q2

TAPE AND REEL BOX DIMENSIONS



*All dimensions are nominal

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
MSP430F5232IRGZR	VQFN	RGZ	48	2500	367.0	367.0	38.0
MSP430F5232IRGZT	VQFN	RGZ	48	250	210.0	185.0	35.0
MSP430F5234IRGZR	VQFN	RGZ	48	2500	367.0	367.0	38.0
MSP430F5234IRGZT	VQFN	RGZ	48	250	210.0	185.0	35.0
MSP430F5237IRGCR	VQFN	RGC	64	2000	367.0	367.0	38.0
MSP430F5237IRGCT	VQFN	RGC	64	250	210.0	185.0	35.0
MSP430F5237IZQER	BGA MICROSTAR JUNIOR	ZQE	80	2500	350.0	350.0	43.0
MSP430F5239IRGCR	VQFN	RGC	64	2000	367.0	367.0	38.0
MSP430F5239IRGCT	VQFN	RGC	64	250	210.0	185.0	35.0
MSP430F5239IZQER	BGA MICROSTAR JUNIOR	ZQE	80	2500	350.0	350.0	43.0
MSP430F5242IRGZR	VQFN	RGZ	48	2500	367.0	367.0	38.0

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
MSP430F5242IRGZT	VQFN	RGZ	48	250	210.0	185.0	35.0
MSP430F5244IRGZR	VQFN	RGZ	48	2500	367.0	367.0	38.0
MSP430F5244IRGZT	VQFN	RGZ	48	250	210.0	185.0	35.0
MSP430F5247IRGCR	VQFN	RGC	64	2000	367.0	367.0	38.0
MSP430F5247IRGCT	VQFN	RGC	64	250	210.0	185.0	35.0
MSP430F5249IRGCR	VQFN	RGC	64	2000	367.0	367.0	38.0
MSP430F5249IRGCT	VQFN	RGC	64	250	210.0	185.0	35.0