

## 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
MSP430FR58471IRHAR	VQFN	RHA	40	2500	330.0	16.4	6.3	6.3	1.1	12.0	16.0	Q2
MSP430FR58471IRHAT	VQFN	RHA	40	250	180.0	16.4	6.3	6.3	1.1	12.0	16.0	Q2
MSP430FR5847IDAR	TSSOP	DA	38	2000	330.0	24.4	8.6	13.0	1.8	12.0	24.0	Q1
MSP430FR5847IRHAR	VQFN	RHA	40	2500	330.0	16.4	6.3	6.3	1.1	12.0	16.0	Q2
MSP430FR5847IRHAT	VQFN	RHA	40	250	180.0	16.4	6.3	6.3	1.1	12.0	16.0	Q2
MSP430FR5848IDAR	TSSOP	DA	38	2000	330.0	24.4	8.6	13.0	1.8	12.0	24.0	Q1
MSP430FR5848IRHAR	VQFN	RHA	40	2500	330.0	16.4	6.3	6.3	1.1	12.0	16.0	Q2
MSP430FR5848IRHAT	VQFN	RHA	40	250	180.0	16.4	6.3	6.3	1.1	12.0	16.0	Q2
MSP430FR5849IDAR	TSSOP	DA	38	2000	330.0	24.4	8.6	13.0	1.8	12.0	24.0	Q1
MSP430FR5849IRHAR	VQFN	RHA	40	2500	330.0	16.4	6.3	6.3	1.1	12.0	16.0	Q2
MSP430FR5849IRHAT	VQFN	RHA	40	250	180.0	16.4	6.3	6.3	1.1	12.0	16.0	Q2
MSP430FR5857IDAR	TSSOP	DA	38	2000	330.0	24.4	8.6	13.0	1.8	12.0	24.0	Q1
MSP430FR5857IRHAR	VQFN	RHA	40	2500	330.0	16.4	6.3	6.3	1.1	12.0	16.0	Q2
MSP430FR5857IRHAT	VQFN	RHA	40	250	180.0	16.4	6.3	6.3	1.1	12.0	16.0	Q2
MSP430FR5858IDAR	TSSOP	DA	38	2000	330.0	24.4	8.6	13.0	1.8	12.0	24.0	Q1
MSP430FR5858IRHAR	VQFN	RHA	40	2500	330.0	16.4	6.3	6.3	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
MSP430FR5858IRHAT	VQFN	RHA	40	250	180.0	16.4	6.3	6.3	1.1	12.0	16.0	Q2
MSP430FR5859IDAR	TSSOP	DA	38	2000	330.0	24.4	8.6	13.0	1.8	12.0	24.0	Q1
MSP430FR5859IRHAR	VQFN	RHA	40	2500	330.0	16.4	6.3	6.3	1.1	12.0	16.0	Q2
MSP430FR5859IRHAT	VQFN	RHA	40	250	180.0	16.4	6.3	6.3	1.1	12.0	16.0	Q2
MSP430FR58671IRGZR	VQFN	RGZ	48	2500	330.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430FR58671IRGZR	VQFN	RGZ	48	2500	330.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430FR58671IRGZT	VQFN	RGZ	48	250	180.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430FR58671IRGZT	VQFN	RGZ	48	250	180.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430FR5867IRGZR	VQFN	RGZ	48	2500	330.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430FR5867IRGZR	VQFN	RGZ	48	2500	330.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430FR5867IRGZT	VQFN	RGZ	48	250	180.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430FR5867IRGZT	VQFN	RGZ	48	250	180.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430FR5868IRGZR	VQFN	RGZ	48	2500	330.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430FR5868IRGZT	VQFN	RGZ	48	250	180.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430FR5869IRGZR	VQFN	RGZ	48	2500	330.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430FR5869IRGZR	VQFN	RGZ	48	2500	330.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430FR5869IRGZT	VQFN	RGZ	48	250	180.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSP430FR5869IRGZT	VQFN	RGZ	48	250	180.0	16.4	7.3	7.3	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)
MSP430FR58471IRHAR	VQFN	RHA	40	2500	367.0	367.0	38.0
MSP430FR58471IRHAT	VQFN	RHA	40	250	210.0	185.0	35.0
MSP430FR5847IDAR	TSSOP	DA	38	2000	350.0	350.0	43.0
MSP430FR5847IRHAR	VQFN	RHA	40	2500	367.0	367.0	38.0
MSP430FR5847IRHAT	VQFN	RHA	40	250	210.0	185.0	35.0
MSP430FR5848IDAR	TSSOP	DA	38	2000	350.0	350.0	43.0
MSP430FR5848IRHAR	VQFN	RHA	40	2500	367.0	367.0	38.0
MSP430FR5848IRHAT	VQFN	RHA	40	250	210.0	185.0	35.0
MSP430FR5849IDAR	TSSOP	DA	38	2000	350.0	350.0	43.0
MSP430FR5849IRHAR	VQFN	RHA	40	2500	367.0	367.0	38.0
MSP430FR5849IRHAT	VQFN	RHA	40	250	210.0	185.0	35.0
MSP430FR5857IDAR	TSSOP	DA	38	2000	350.0	350.0	43.0
MSP430FR5857IRHAR	VQFN	RHA	40	2500	367.0	367.0	38.0
MSP430FR5857IRHAT	VQFN	RHA	40	250	210.0	185.0	35.0
MSP430FR5858IDAR	TSSOP	DA	38	2000	350.0	350.0	43.0
MSP430FR5858IRHAR	VQFN	RHA	40	2500	367.0	367.0	38.0
MSP430FR5858IRHAT	VQFN	RHA	40	250	210.0	185.0	35.0
MSP430FR5859IDAR	TSSOP	DA	38	2000	350.0	350.0	43.0

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
MSP430FR5859IRHAR	VQFN	RHA	40	2500	367.0	367.0	38.0
MSP430FR5859IRHAT	VQFN	RHA	40	250	210.0	185.0	35.0
MSP430FR58671IRGZR	VQFN	RGZ	48	2500	367.0	367.0	38.0
MSP430FR58671IRGZR	VQFN	RGZ	48	2500	367.0	367.0	35.0
MSP430FR58671IRGZT	VQFN	RGZ	48	250	210.0	185.0	35.0
MSP430FR58671IRGZT	VQFN	RGZ	48	250	210.0	185.0	35.0
MSP430FR5867IRGZR	VQFN	RGZ	48	2500	367.0	367.0	35.0
MSP430FR5867IRGZR	VQFN	RGZ	48	2500	367.0	367.0	38.0
MSP430FR5867IRGZT	VQFN	RGZ	48	250	210.0	185.0	35.0
MSP430FR5867IRGZT	VQFN	RGZ	48	250	210.0	185.0	35.0
MSP430FR5868IRGZR	VQFN	RGZ	48	2500	367.0	367.0	35.0
MSP430FR5868IRGZT	VQFN	RGZ	48	250	210.0	185.0	35.0
MSP430FR5869IRGZR	VQFN	RGZ	48	2500	367.0	367.0	35.0
MSP430FR5869IRGZR	VQFN	RGZ	48	2500	367.0	367.0	38.0
MSP430FR5869IRGZT	VQFN	RGZ	48	250	210.0	185.0	35.0
MSP430FR5869IRGZT	VQFN	RGZ	48	250	210.0	185.0	35.0

**TUBE**


\*All dimensions are nominal

Device	Package Name	Package Type	Pins	SPQ	L (mm)	W (mm)	T (μm)	B (mm)
MSP430FR5847IDA	DA	TSSOP	38	40	530	11.89	3600	4.9
MSP430FR5848IDA	DA	TSSOP	38	40	530	11.89	3600	4.9
MSP430FR5849IDA	DA	TSSOP	38	40	530	11.89	3600	4.9
MSP430FR5857IDA	DA	TSSOP	38	40	530	11.89	3600	4.9
MSP430FR5858IDA	DA	TSSOP	38	40	530	11.89	3600	4.9
MSP430FR5859IDA	DA	TSSOP	38	40	530	11.89	3600	4.9