

**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
MSP430FR2153TDBTR	TSSOP	DBT	38	2000	330.0	16.4	6.9	10.2	1.8	12.0	16.0	Q1
MSP430FR2153TPTR	LQFP	PT	48	1000	330.0	16.4	9.6	9.6	1.9	12.0	16.0	Q2
MSP430FR2153TPTR	LQFP	PT	48	1000	330.0	16.4	9.6	9.6	1.9	12.0	16.0	Q2
MSP430FR2153TRHAR	VQFN	RHA	40	2500	330.0	16.4	6.3	6.3	1.1	12.0	16.0	Q2
MSP430FR2153TRHAT	VQFN	RHA	40	250	180.0	16.4	6.3	6.3	1.1	12.0	16.0	Q2
MSP430FR2153TRSMR	VQFN	RSM	32	3000	330.0	12.4	4.25	4.25	1.15	8.0	12.0	Q2
MSP430FR2153TRSMT	VQFN	RSM	32	250	180.0	12.4	4.25	4.25	1.15	8.0	12.0	Q2
MSP430FR2155TDBTR	TSSOP	DBT	38	2000	330.0	16.4	6.9	10.2	1.8	12.0	16.0	Q1
MSP430FR2155TPTR	LQFP	PT	48	1000	330.0	16.4	9.6	9.6	1.9	12.0	16.0	Q2
MSP430FR2155TPTR	LQFP	PT	48	1000	330.0	16.4	9.6	9.6	1.9	12.0	16.0	Q2
MSP430FR2155TRHAR	VQFN	RHA	40	2500	330.0	16.4	6.3	6.3	1.1	12.0	16.0	Q2
MSP430FR2155TRHAT	VQFN	RHA	40	250	180.0	16.4	6.3	6.3	1.1	12.0	16.0	Q2
MSP430FR2155TRSMR	VQFN	RSM	32	3000	330.0	12.4	4.25	4.25	1.15	8.0	12.0	Q2
MSP430FR2155TRSMT	VQFN	RSM	32	250	180.0	12.4	4.25	4.25	1.15	8.0	12.0	Q2
MSP430FR2353TDBTR	TSSOP	DBT	38	2000	330.0	16.4	6.9	10.2	1.8	12.0	16.0	Q1
MSP430FR2353TPTR	LQFP	PT	48	1000	330.0	16.4	9.6	9.6	1.9	12.0	16.0	Q2
MSP430FR2353TPTR	LQFP	PT	48	1000	330.0	16.4	9.6	9.6	1.9	12.0	16.0	Q2
MSP430FR2353TRHAR	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
MSP430FR2353TRHAT	VQFN	RHA	40	250	180.0	16.4	6.3	6.3	1.1	12.0	16.0	Q2
MSP430FR2353TRSMR	VQFN	RSM	32	3000	330.0	12.4	4.25	4.25	1.15	8.0	12.0	Q2
MSP430FR2353TRSMT	VQFN	RSM	32	250	180.0	12.4	4.25	4.25	1.15	8.0	12.0	Q2
MSP430FR2355TDBTR	TSSOP	DBT	38	2000	330.0	16.4	6.9	10.2	1.8	12.0	16.0	Q1
MSP430FR2355TPTR	LQFP	PT	48	1000	330.0	16.4	9.6	9.6	1.9	12.0	16.0	Q2
MSP430FR2355TPTR	LQFP	PT	48	1000	330.0	16.4	9.6	9.6	1.9	12.0	16.0	Q2
MSP430FR2355TRHAR	VQFN	RHA	40	2500	330.0	16.4	6.3	6.3	1.1	12.0	16.0	Q2
MSP430FR2355TRHAT	VQFN	RHA	40	250	180.0	16.4	6.3	6.3	1.1	12.0	16.0	Q2
MSP430FR2355TRSMR	VQFN	RSM	32	3000	330.0	12.4	4.25	4.25	1.15	8.0	12.0	Q2
MSP430FR2355TRSMT	VQFN	RSM	32	250	180.0	12.4	4.25	4.25	1.15	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)
MSP430FR2153TDBTR	TSSOP	DBT	38	2000	350.0	350.0	43.0
MSP430FR2153TPTR	LQFP	PT	48	1000	350.0	350.0	43.0
MSP430FR2153TPTR	LQFP	PT	48	1000	336.6	336.6	31.8
MSP430FR2153TRHAR	VQFN	RHA	40	2500	367.0	367.0	35.0
MSP430FR2153TRHAT	VQFN	RHA	40	250	210.0	185.0	35.0
MSP430FR2153TRSMR	VQFN	RSM	32	3000	367.0	367.0	35.0
MSP430FR2153TRSMT	VQFN	RSM	32	250	210.0	185.0	35.0

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
MSP430FR2155TDBTR	TSSOP	DBT	38	2000	350.0	350.0	43.0
MSP430FR2155TPTR	LQFP	PT	48	1000	336.6	336.6	31.8
MSP430FR2155TPTR	LQFP	PT	48	1000	350.0	350.0	43.0
MSP430FR2155TRHAR	VQFN	RHA	40	2500	367.0	367.0	35.0
MSP430FR2155TRHAT	VQFN	RHA	40	250	210.0	185.0	35.0
MSP430FR2155TRSMR	VQFN	RSM	32	3000	367.0	367.0	35.0
MSP430FR2155TRSMT	VQFN	RSM	32	250	210.0	185.0	35.0
MSP430FR2353TDBTR	TSSOP	DBT	38	2000	350.0	350.0	43.0
MSP430FR2353TPTR	LQFP	PT	48	1000	336.6	336.6	31.8
MSP430FR2353TPTR	LQFP	PT	48	1000	350.0	350.0	43.0
MSP430FR2353TRHAR	VQFN	RHA	40	2500	367.0	367.0	35.0
MSP430FR2353TRHAT	VQFN	RHA	40	250	210.0	185.0	35.0
MSP430FR2353TRSMR	VQFN	RSM	32	3000	367.0	367.0	35.0
MSP430FR2353TRSMT	VQFN	RSM	32	250	210.0	185.0	35.0
MSP430FR2355TDBTR	TSSOP	DBT	38	2000	350.0	350.0	43.0
MSP430FR2355TPTR	LQFP	PT	48	1000	336.6	336.6	31.8
MSP430FR2355TPTR	LQFP	PT	48	1000	350.0	350.0	43.0
MSP430FR2355TRHAR	VQFN	RHA	40	2500	367.0	367.0	35.0
MSP430FR2355TRHAT	VQFN	RHA	40	250	210.0	185.0	35.0
MSP430FR2355TRSMR	VQFN	RSM	32	3000	367.0	367.0	35.0
MSP430FR2355TRSMT	VQFN	RSM	32	250	210.0	185.0	35.0