

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
MSP430FR5041IPMR	LQFP	PM	64	1000	330.0	24.4	13.0	13.0	2.1	16.0	24.0	Q2
MSP430FR5041IRGCR	VQFN	RGC	64	2000	330.0	16.4	9.3	9.3	1.1	12.0	16.0	Q2
MSP430FR5041IRGCT	VQFN	RGC	64	250	180.0	16.4	9.3	9.3	1.1	12.0	16.0	Q2
MSP430FR50431IPMR	LQFP	PM	64	1000	330.0	24.4	13.0	13.0	2.1	16.0	24.0	Q2
MSP430FR50431IRGCR	VQFN	RGC	64	2000	330.0	16.4	9.3	9.3	1.1	12.0	16.0	Q2
MSP430FR50431IRGCT	VQFN	RGC	64	250	180.0	16.4	9.3	9.3	1.1	12.0	16.0	Q2
MSP430FR5043IPMR	LQFP	PM	64	1000	330.0	24.4	13.0	13.0	2.1	16.0	24.0	Q2
MSP430FR5043IRGCR	VQFN	RGC	64	2000	330.0	16.4	9.3	9.3	1.1	12.0	16.0	Q2
MSP430FR5043IRGCT	VQFN	RGC	64	250	180.0	16.4	9.3	9.3	1.1	12.0	16.0	Q2
MSP430FR6043IPNR	LQFP	PN	80	1000	330.0	24.4	15.0	15.0	2.1	20.0	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)
MSP430FR5041IPMR	LQFP	PM	64	1000	336.6	336.6	41.3
MSP430FR5041IRGCR	VQFN	RGC	64	2000	367.0	367.0	38.0
MSP430FR5041IRGCT	VQFN	RGC	64	250	210.0	185.0	35.0
MSP430FR50431IPMR	LQFP	PM	64	1000	336.6	336.6	41.3
MSP430FR50431IRGCR	VQFN	RGC	64	2000	367.0	367.0	38.0
MSP430FR50431IRGCT	VQFN	RGC	64	250	210.0	185.0	35.0
MSP430FR5043IPMR	LQFP	PM	64	1000	336.6	336.6	41.3
MSP430FR5043IRGCR	VQFN	RGC	64	2000	367.0	367.0	38.0
MSP430FR5043IRGCT	VQFN	RGC	64	250	210.0	185.0	35.0
MSP430FR6043IPNR	LQFP	PN	80	1000	350.0	350.0	43.0

TRAY


Chamfer on Tray corner indicates Pin 1 orientation of packed units.

*All dimensions are nominal

Device	Package Name	Package Type	Pins	SPQ	Unit array matrix	Max temperature (°C)	L (mm)	W (mm)	K0 (μm)	P1 (mm)	CL (mm)	CW (mm)
MSP430FR5041IPM	PM	LQFP	64	160	8 X 20	150	315	135.9	7620	15.2	13.1	13
MSP430FR50431IPM	PM	LQFP	64	160	8 X 20	150	315	135.9	7620	15.2	13.1	13
MSP430FR5043IPM	PM	LQFP	64	160	8 X 20	150	315	135.9	7620	15.2	13.1	13
MSP430FR6041IPN	PN	LQFP	80	119	7 x 17	150	315	135.9	7620	17.9	14.3	13.95
MSP430FR60431IPN	PN	LQFP	80	119	7 x 17	150	315	135.9	7620	17.9	14.3	13.95
MSP430FR6043IPN	PN	LQFP	80	119	7 x 17	150	315	135.9	7620	17.9	14.3	13.95