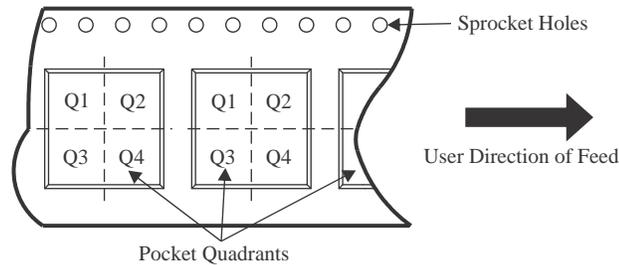


TAPE AND REEL INFORMATION

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
MSPM0L1227SPMR	LQFP	PM	64	1000	330.0	24.4	13.0	13.0	2.1	16.0	24.0	Q2
MSPM0L1227SPNR	LQFP	PN	80	1000	330.0	24.4	16.0	16.0	2.0	24.0	24.0	Q2
MSPM0L1227SPTR	LQFP	PT	48	1000	330.0	16.4	9.6	9.6	1.9	12.0	16.0	Q2
MSPM0L1227SRGER	VQFN	RGE	24	5000	330.0	12.4	4.25	4.25	1.15	8.0	12.0	Q2
MSPM0L1227SRGZR	VQFN	RGZ	48	4000	330.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSPM0L1227SRHBR	VQFN	RHB	32	5000	330.0	12.4	5.3	5.3	1.1	8.0	12.0	Q2
MSPM0L1228SPMR	LQFP	PM	64	1000	330.0	24.4	13.0	13.0	2.1	16.0	24.0	Q2
MSPM0L1228SPNR	LQFP	PN	80	1000	330.0	24.4	16.0	16.0	2.0	24.0	24.0	Q2
MSPM0L1228SPTR	LQFP	PT	48	1000	330.0	16.4	9.6	9.6	1.9	12.0	16.0	Q2
MSPM0L1228SRGER	VQFN	RGE	24	5000	330.0	12.4	4.25	4.25	1.15	8.0	12.0	Q2
MSPM0L1228SRGZR	VQFN	RGZ	48	4000	330.0	16.4	7.3	7.3	1.1	12.0	16.0	Q2
MSPM0L1228SRHBR	VQFN	RHB	32	5000	330.0	12.4	5.3	5.3	1.1	8.0	12.0	Q2
MSPM0L2227SPMR	LQFP	PM	64	1000	330.0	24.4	13.0	13.0	2.1	16.0	24.0	Q2
MSPM0L2227SPNR	LQFP	PN	80	1000	330.0	24.4	16.0	16.0	2.0	24.0	24.0	Q2
MSPM0L2227SPTR	LQFP	PT	48	1000	330.0	16.4	9.6	9.6	1.9	12.0	16.0	Q2
MSPM0L2227SRGZR	VQFN	RGZ	48	4000	330.0	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
MSPM0L2228SPMR	LQFP	PM	64	1000	330.0	24.4	13.0	13.0	2.1	16.0	24.0	Q2
MSPM0L2228SPNR	LQFP	PN	80	1000	330.0	24.4	16.0	16.0	2.0	24.0	24.0	Q2
MSPM0L2228SPTR	LQFP	PT	48	1000	330.0	16.4	9.6	9.6	1.9	12.0	16.0	Q2
MSPM0L2228SRGZR	VQFN	RGZ	48	4000	330.0	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)
MSPM0L1227SPMR	LQFP	PM	64	1000	336.6	336.6	41.3
MSPM0L1227SPNR	LQFP	PN	80	1000	367.0	367.0	55.0
MSPM0L1227SPTR	LQFP	PT	48	1000	336.6	336.6	31.8
MSPM0L1227SRGER	VQFN	RGE	24	5000	367.0	367.0	35.0
MSPM0L1227SRGZR	VQFN	RGZ	48	4000	367.0	367.0	35.0
MSPM0L1227SRHBR	VQFN	RHB	32	5000	367.0	367.0	35.0
MSPM0L1228SPMR	LQFP	PM	64	1000	336.6	336.6	41.3
MSPM0L1228SPNR	LQFP	PN	80	1000	367.0	367.0	55.0
MSPM0L1228SPTR	LQFP	PT	48	1000	336.6	336.6	31.8
MSPM0L1228SRGER	VQFN	RGE	24	5000	367.0	367.0	35.0
MSPM0L1228SRGZR	VQFN	RGZ	48	4000	367.0	367.0	35.0
MSPM0L1228SRHBR	VQFN	RHB	32	5000	367.0	367.0	35.0
MSPM0L2227SPMR	LQFP	PM	64	1000	336.6	336.6	41.3
MSPM0L2227SPNR	LQFP	PN	80	1000	367.0	367.0	55.0
MSPM0L2227SPTR	LQFP	PT	48	1000	336.6	336.6	31.8
MSPM0L2227SRGZR	VQFN	RGZ	48	4000	367.0	367.0	35.0
MSPM0L2228SPMR	LQFP	PM	64	1000	336.6	336.6	41.3
MSPM0L2228SPNR	LQFP	PN	80	1000	367.0	367.0	55.0

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
MSPM0L2228SPTR	LQFP	PT	48	1000	336.6	336.6	31.8
MSPM0L2228SRGZR	VQFN	RGZ	48	4000	367.0	367.0	35.0