

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
F280034PTRQ1	LQFP	PT	48	1000	330.0	16.4	9.6	9.6	1.9	12.0	16.0	Q2
F280036CPMRQ1	LQFP	PM	64	1000	330.0	24.4	13.0	13.0	2.1	16.0	24.0	Q2
F280036PMRQ1	LQFP	PM	64	1000	330.0	24.4	13.0	13.0	2.1	16.0	24.0	Q2
F280037CPTRQ1	LQFP	PT	48	1000	330.0	16.4	9.6	9.6	1.9	12.0	16.0	Q2
F280037CPZRQ1	LQFP	PZ	100	1000	330.0	32.4	16.9	16.9	2.0	24.0	32.0	Q2
F280037CSPTR	LQFP	PT	48	1000	330.0	16.4	9.6	9.6	1.9	12.0	16.0	Q2
F280037PTRQ1	LQFP	PT	48	1000	330.0	16.4	9.6	9.6	1.9	12.0	16.0	Q2
F280037PZRQ1	LQFP	PZ	100	1000	330.0	32.4	16.9	16.9	2.0	24.0	32.0	Q2
F280037SPMR	LQFP	PM	64	1000	330.0	24.4	13.0	13.0	2.1	16.0	24.0	Q2
F280037SPNR	LQFP	PN	80	1000	330.0	24.4	16.0	16.0	2.0	24.0	24.0	Q2
F280038CPMRQ1	LQFP	PM	64	1000	330.0	24.4	13.0	13.0	2.1	16.0	24.0	Q2
F280038PMRQ1	LQFP	PM	64	1000	330.0	24.4	13.0	13.0	2.1	16.0	24.0	Q2
F280039CPZRQ1	LQFP	PZ	100	1000	330.0	32.4	16.9	16.9	2.0	24.0	32.0	Q2
F280039CSPMR	LQFP	PM	64	1000	330.0	24.4	13.0	13.0	2.1	16.0	24.0	Q2
F280039CSPNR	LQFP	PN	80	1000	330.0	24.4	16.0	16.0	2.0	24.0	24.0	Q2
F280039CSPZR	LQFP	PZ	100	1000	330.0	32.4	16.9	16.9	2.0	24.0	32.0	Q2

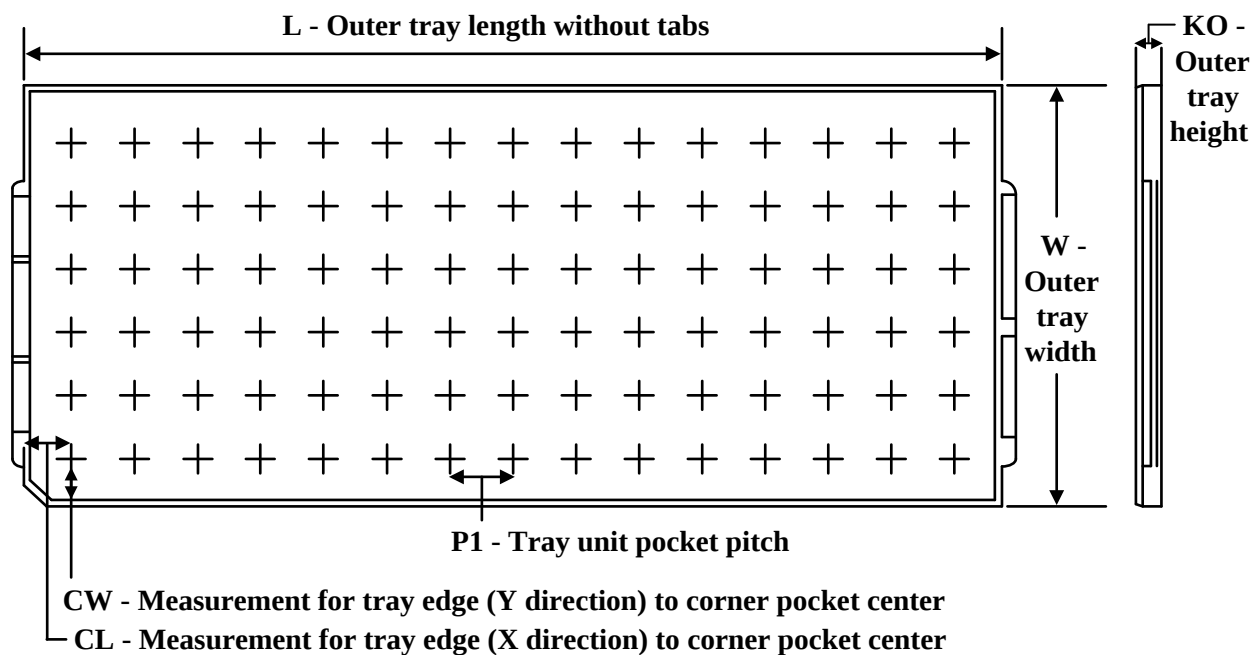
Device	Package Type	Package Drawing	Pins	SPQ	Reel Diameter (mm)	Reel Width W1 (mm)	A0 (mm)	B0 (mm)	K0 (mm)	P1 (mm)	W (mm)	Pin1 Quadrant
F280039PZRQ1	LQFP	PZ	100	1000	330.0	32.4	16.9	16.9	2.0	24.0	32.0	Q2
F280039SPTR	LQFP	PT	48	1000	330.0	16.4	9.6	9.6	1.9	12.0	16.0	Q2

TAPE AND REEL BOX DIMENSIONS



*All dimensions are nominal

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
F280034PTRQ1	LQFP	PT	48	1000	336.6	336.6	31.8
F280036CPMRQ1	LQFP	PM	64	1000	336.6	336.6	41.3
F280036PMRQ1	LQFP	PM	64	1000	336.6	336.6	41.3
F280037CPTRQ1	LQFP	PT	48	1000	336.6	336.6	31.8
F280037CPZRQ1	LQFP	PZ	100	1000	367.0	367.0	55.0
F280037CSPTR	LQFP	PT	48	1000	336.6	336.6	31.8
F280037PTRQ1	LQFP	PT	48	1000	336.6	336.6	31.8
F280037PZRQ1	LQFP	PZ	100	1000	367.0	367.0	55.0
F280037SPMR	LQFP	PM	64	1000	336.6	336.6	41.3
F280037SPNR	LQFP	PN	80	1000	367.0	367.0	55.0
F280038CPMRQ1	LQFP	PM	64	1000	336.6	336.6	41.3
F280038PMRQ1	LQFP	PM	64	1000	336.6	336.6	41.3
F280039CPZRQ1	LQFP	PZ	100	1000	367.0	367.0	55.0
F280039CSPMR	LQFP	PM	64	1000	336.6	336.6	41.3
F280039CSPNR	LQFP	PN	80	1000	367.0	367.0	55.0
F280039CSPZR	LQFP	PZ	100	1000	367.0	367.0	55.0
F280039PZRQ1	LQFP	PZ	100	1000	367.0	367.0	55.0
F280039SPTR	LQFP	PT	48	1000	336.6	336.6	31.8

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)
F280033SPM	PM	LQFP	64	160	8 X 20	150	315	135.9	7620	15.2	13.1	13
F280033SPM.A	PM	LQFP	64	160	8 X 20	150	315	135.9	7620	15.2	13.1	13
F280033SPM.B	PM	LQFP	64	160	8 X 20	150	315	135.9	7620	15.2	13.1	13
F280033SPN	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
F280033SPN.A	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
F280033SPN.B	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
F280033SPT	PT	LQFP	48	250	10 x 25	150	315	135.9	7620	12.2	11.1	11.25
F280033SPT.A	PT	LQFP	48	250	10 x 25	150	315	135.9	7620	12.2	11.1	11.25
F280033SPT.B	PT	LQFP	48	250	10 x 25	150	315	135.9	7620	12.2	11.1	11.25
F280033SPTG4	PT	LQFP	48	250	10 x 25	150	315	135.9	7620	12.2	11.1	11.25
F280033SPTG4.A	PT	LQFP	48	250	10 x 25	150	315	135.9	7620	12.2	11.1	11.25
F280033SPTG4.B	PT	LQFP	48	250	10 x 25	150	315	135.9	7620	12.2	11.1	11.25
F280033SPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.4
F280033SPZ.A	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.4
F280033SPZ.B	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.4
F280034SPM	PM	LQFP	64	160	8 X 20	150	315	135.9	7620	15.2	13.1	13
F280034SPM.A	PM	LQFP	64	160	8 X 20	150	315	135.9	7620	15.2	13.1	13

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)
F280034SPM.B	PM	LQFP	64	160	8 X 20	150	315	135.9	7620	15.2	13.1	13
F280034SPN	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
F280034SPN.A	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
F280034SPN.B	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
F280034SPT	PT	LQFP	48	250	10 x 25	150	315	135.9	7620	12.2	11.1	11.25
F280034SPT.A	PT	LQFP	48	250	10 x 25	150	315	135.9	7620	12.2	11.1	11.25
F280034SPT.B	PT	LQFP	48	250	10 x 25	150	315	135.9	7620	12.2	11.1	11.25
F280034SPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.4
F280034SPZ.A	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.4
F280034SPZ.B	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.4
F280037CPTQ1	PT	LQFP	48	250	10 x 25	150	315	135.9	7620	12.2	11.1	11.25
F280037CPTQ1.A	PT	LQFP	48	250	10 x 25	150	315	135.9	7620	12.2	11.1	11.25
F280037CPTQ1.B	PT	LQFP	48	250	10 x 25	150	315	135.9	7620	12.2	11.1	11.25
F280037CSPM	PM	LQFP	64	160	8 X 20	150	315	135.9	7620	15.2	13.1	13
F280037CSPM.A	PM	LQFP	64	160	8 X 20	150	315	135.9	7620	15.2	13.1	13
F280037CSPM.B	PM	LQFP	64	160	8 X 20	150	315	135.9	7620	15.2	13.1	13
F280037CSPN	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
F280037CSPN.A	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
F280037CSPN.B	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
F280037CSPT	PT	LQFP	48	250	10 x 25	150	315	135.9	7620	12.2	11.1	11.25
F280037CSPT.A	PT	LQFP	48	250	10 x 25	150	315	135.9	7620	12.2	11.1	11.25
F280037CSPT.B	PT	LQFP	48	250	10 x 25	150	315	135.9	7620	12.2	11.1	11.25
F280037CSPTG4	PT	LQFP	48	250	10 x 25	150	315	135.9	7620	12.2	11.1	11.25
F280037CSPTG4.A	PT	LQFP	48	250	10 x 25	150	315	135.9	7620	12.2	11.1	11.25
F280037CSPTG4.B	PT	LQFP	48	250	10 x 25	150	315	135.9	7620	12.2	11.1	11.25
F280037CSPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.4
F280037CSPZ.A	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.4
F280037CSPZ.B	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.4
F280037SPM	PM	LQFP	64	160	8 X 20	150	315	135.9	7620	15.2	13.1	13
F280037SPM.A	PM	LQFP	64	160	8 X 20	150	315	135.9	7620	15.2	13.1	13
F280037SPM.B	PM	LQFP	64	160	8 X 20	150	315	135.9	7620	15.2	13.1	13
F280037SPN	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
F280037SPN.A	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
F280037SPN.B	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
F280037SPT	PT	LQFP	48	250	10 x 25	150	315	135.9	7620	12.2	11.1	11.25
F280037SPT.A	PT	LQFP	48	250	10 x 25	150	315	135.9	7620	12.2	11.1	11.25
F280037SPT.B	PT	LQFP	48	250	10 x 25	150	315	135.9	7620	12.2	11.1	11.25
F280037SPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.4
F280037SPZ.A	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.4
F280037SPZ.B	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.4
F280038CPMQ1	PM	LQFP	64	160	8 X 20	150	315	135.9	7620	15.2	13.1	13

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)
F280038CPMQ1.A	PM	LQFP	64	160	8 X 20	150	315	135.9	7620	15.2	13.1	13
F280038CPMQ1.B	PM	LQFP	64	160	8 X 20	150	315	135.9	7620	15.2	13.1	13
F280039CPNQ1	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
F280039CPNQ1.A	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
F280039CPNQ1.B	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
F280039CPZQ1	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.4
F280039CPZQ1.A	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.4
F280039CPZQ1.B	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.4
F280039CSPM	PM	LQFP	64	160	8 X 20	150	315	135.9	7620	15.2	13.1	13
F280039CSPM.A	PM	LQFP	64	160	8 X 20	150	315	135.9	7620	15.2	13.1	13
F280039CSPM.B	PM	LQFP	64	160	8 X 20	150	315	135.9	7620	15.2	13.1	13
F280039CSPN	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
F280039CSPN.A	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
F280039CSPN.B	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
F280039CSPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.4
F280039CSPZ.A	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.4
F280039CSPZ.B	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.4
F280039SPM	PM	LQFP	64	160	8 X 20	150	315	135.9	7620	15.2	13.1	13
F280039SPM.A	PM	LQFP	64	160	8 X 20	150	315	135.9	7620	15.2	13.1	13
F280039SPM.B	PM	LQFP	64	160	8 X 20	150	315	135.9	7620	15.2	13.1	13
F280039SPN	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
F280039SPN.A	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
F280039SPN.B	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
F280039SPT	PT	LQFP	48	250	10 x 25	150	315	135.9	7620	12.2	11.1	11.25
F280039SPT.A	PT	LQFP	48	250	10 x 25	150	315	135.9	7620	12.2	11.1	11.25
F280039SPT.B	PT	LQFP	48	250	10 x 25	150	315	135.9	7620	12.2	11.1	11.25
F280039SPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.4
F280039SPZ.A	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.4
F280039SPZ.B	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.4