

**TAPE AND REEL INFORMATION**

**QUADRANT ASSIGNMENTS FOR PIN 1 ORIENTATION IN TAPE**

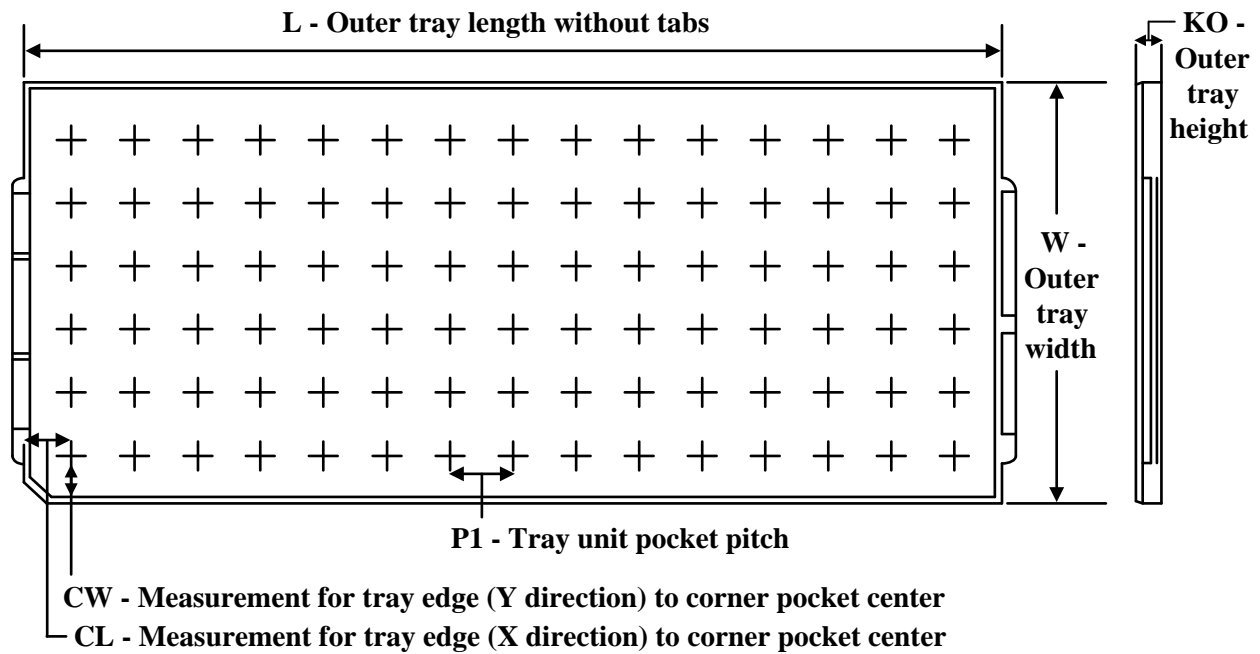

\*All dimensions are nominal

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
MSP430F6745AIPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F6746AIPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F6747AIPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F6748AIPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F6749AIPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F6765AIPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F6766AIPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F6767AIPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F6768AIPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F6769AIPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F6775AIPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F6776AIPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F6777AIPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F6778AIPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F6779AIPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	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)
MSP430F6745AIPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F6746AIPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F6747AIPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F6748AIPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F6749AIPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F6765AIPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F6766AIPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F6767AIPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F6768AIPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F6769AIPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F6775AIPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F6776AIPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F6777AIPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F6778AIPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F6779AIPZR	LQFP	PZ	100	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)
MSP430F6745AIEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F6745AIPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F6746AIEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F6746AIPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F6747AIEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F6747AIPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F6748AIEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F6748AIPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F6749AIEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F6749AIPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F6765AIEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F6765AIPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F6766AIEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F6766AIPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F6767AIEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F6767AIPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F6768AIEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45

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)
MSP430F6768AIPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F6769AIEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F6769AIPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F6775AIEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F6775AIPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F6776AIEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F6776AIPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F6777AIEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F6777AIPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F6778AIEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F6778AIPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F6779AIEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F6779AIPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45