

**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
MSP430F67471IPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F67651IPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F67681IPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F67691IPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F67751IPZR	LQFP	PZ	100	1000	330.0	24.4	17.0	17.0	2.1	20.0	24.0	Q2
MSP430F67791IPZR	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)
MSP430F67471IPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F67651IPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F67681IPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F67691IPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F67751IPZR	LQFP	PZ	100	1000	350.0	350.0	43.0
MSP430F67791IPZR	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)
MSP430F67451IPEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F67451IPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F67461IPEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F67461IPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F67471IPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F67481IPEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F67481IPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F67491IPEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F67491IPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F67651IPEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F67651IPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F67661IPEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F67661IPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F67671IPEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F67671IPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F67681IPEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F67681IPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	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)
MSP430F67691IPEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F67691IPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F67751IPEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F67751IPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F67761IPEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F67761IPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F67771IPEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F67771IPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F67781IPEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F67781IPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45
MSP430F67791IPEU	PEU	LQFP	128	72	6X12	150	315	135.9	7620	25.4	17.8	15.45
MSP430F67791IPZ	PZ	LQFP	100	90	6 x 15	150	315	135.9	7620	20.3	15.4	15.45