

**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
TMS320F28032PNTR	LQFP	PN	80	1000	330.0	24.4	16.0	16.0	2.0	24.0	24.0	Q2
TMS320F28034PAGQR	TQFP	PAG	64	1500	330.0	24.4	13.0	13.0	1.5	16.0	24.0	Q2
TMS320F28035PAGTR	TQFP	PAG	64	1500	330.0	24.4	13.0	13.0	1.5	16.0	24.0	Q2
TMS320F28035PNQR	LQFP	PN	80	1000	330.0	24.4	16.0	16.0	2.0	24.0	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)
TMS320F28032PNTR	LQFP	PN	80	1000	367.0	367.0	55.0
TMS320F28034PAGQR	TQFP	PAG	64	1500	367.0	367.0	55.0
TMS320F28035PAGTR	TQFP	PAG	64	1500	367.0	367.0	55.0
TMS320F28035PNQR	LQFP	PN	80	1000	367.0	367.0	55.0

**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)
TMS320F28030PAGQ	PAG	TQFP	64	160	8 x 20	150	315	135.9	7620	15.2	13.1	13
TMS320F28030PAGS	PAG	TQFP	64	160	8 x 20	150	315	135.9	7620	15.2	13.1	13
TMS320F28030PAGT	PAG	TQFP	64	160	8 x 20	150	315	135.9	7620	15.2	13.1	13
TMS320F28030PNQ	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
TMS320F28030PNS	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
TMS320F28030PNT	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
TMS320F28030RSHS	RSH	VQFN	56	260	26 x 10	150	315	135.9	7620	11.8	10	10.35
TMS320F28030RSHT	RSH	VQFN	56	260	26 x 10	150	315	135.9	7620	11.8	10	10.35
TMS320F28031PAGQ	PAG	TQFP	64	160	8 x 20	150	315	135.9	7620	15.2	13.1	13
TMS320F28031PAGS	PAG	TQFP	64	160	8 x 20	150	315	135.9	7620	15.2	13.1	13
TMS320F28031PAGT	PAG	TQFP	64	160	8 x 20	150	315	135.9	7620	15.2	13.1	13
TMS320F28031PNQ	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
TMS320F28031PNS	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
TMS320F28031PNT	PN	LQFP	80	119	7 X 17	150	315	135.9	7620	17.9	14.3	13.95
TMS320F28031RSHS	RSH	VQFN	56	260	26 x 10	150	315	135.9	7620	11.8	10	10.35
TMS320F28032PAGQ	PAG	TQFP	64	160	8 x 20	150	315	135.9	7620	15.2	13.1	13
TMS320F28032PAGS	PAG	TQFP	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)
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TMS320F28032RSHS	RSH	VQFN	56	260	26 x 10	150	315	135.9	7620	11.8	10	10.35
TMS320F28032RSHT	RSH	VQFN	56	260	26 x 10	150	315	135.9	7620	11.8	10	10.35
TMS320F28033P1PAGS	PAG	TQFP	64	160	8 x 20	150	315	135.9	7620	15.2	13.1	13
TMS320F28033PAGQ	PAG	TQFP	64	160	8 x 20	150	315	135.9	7620	15.2	13.1	13
TMS320F28033PAGS	PAG	TQFP	64	160	8 x 20	150	315	135.9	7620	15.2	13.1	13
TMS320F28033PAGT	PAG	TQFP	64	160	8 x 20	150	315	135.9	7620	15.2	13.1	13
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