

TAPE AND REEL INFORMATION



QUADRANT ASSIGNMENTS FOR PIN 1 ORIENTATION IN TAPE



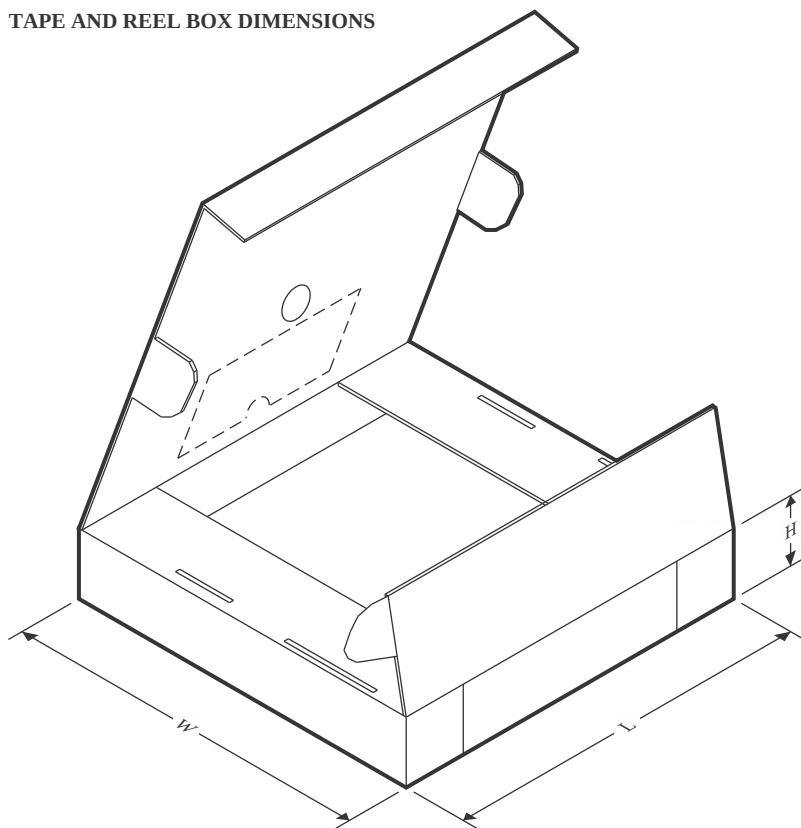
*All dimensions are nominal

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
LM124DR	SOIC	D	14	2500	330.0	16.4	6.5	9.0	2.1	8.0	16.0	Q1
LM124DRG4	SOIC	D	14	2500	330.0	16.4	6.5	9.0	2.1	8.0	16.0	Q1
LM224ADR	SOIC	D	14	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM224ADR	SOIC	D	14	2500	330.0	16.4	6.5	9.0	2.1	8.0	16.0	Q1
LM224ADRG4	SOIC	D	14	2500	330.0	16.4	6.5	9.0	2.1	8.0	16.0	Q1
LM224DR	SOIC	D	14	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM224KADR	SOIC	D	14	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM224KDR	SOIC	D	14	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM2902BAIDR	SOIC	D	14	3000	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM2902BAIPWR	TSSOP	PW	14	3000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
LM2902BIDR	SOIC	D	14	3000	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM2902BIPWR	TSSOP	PW	14	3000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
LM2902BIRTER	WQFN	RTE	16	5000	330.0	12.4	3.3	3.3	1.1	8.0	12.0	Q2
LM2902DR	SOIC	D	14	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM2902DR	SOIC	D	14	2500	330.0	16.4	6.5	9.0	2.1	8.0	16.0	Q1
LM2902DRG4	SOIC	D	14	2500	330.0	16.4	6.5	9.0	2.1	8.0	16.0	Q1

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
LM2902KAVQDR	SOIC	D	14	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM2902KAVQPWR	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
LM2902KAVQPWR	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
LM2902KAVQPWRG4	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
LM2902KDR	SOIC	D	14	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM2902KNSR	SOP	NS	14	2000	330.0	16.4	8.1	10.4	2.5	12.0	16.0	Q1
LM2902KPWR	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
LM2902KPWR	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
LM2902KVQDR	SOIC	D	14	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM2902KVQPWR	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
LM2902KVQPWR	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
LM2902NSR	SOP	NS	14	2000	330.0	16.4	8.1	10.4	2.5	12.0	16.0	Q1
LM2902PWR	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
LM2902PWRG4	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
LM324ADBR	SSOP	DB	14	2000	330.0	16.4	8.35	6.6	2.4	12.0	16.0	Q1
LM324ADR	SOIC	D	14	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM324ADR	SOIC	D	14	2500	330.0	16.4	6.5	9.0	2.1	8.0	16.0	Q1
LM324ANSR	SOP	NS	14	2000	330.0	16.4	8.1	10.4	2.5	12.0	16.0	Q1
LM324APWR	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
LM324APWR	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
LM324APWRG4	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
LM324APWRG4	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
LM324BAIDR	SOIC	D	14	3000	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM324BAIPWR	TSSOP	PW	14	3000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
LM324BIDR	SOIC	D	14	3000	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM324BIPWR	TSSOP	PW	14	3000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
LM324BIRTER	WQFN	RTE	16	5000	330.0	12.4	3.3	3.3	1.1	8.0	12.0	Q2
LM324DR	SOIC	D	14	2500	330.0	16.4	6.5	9.0	2.1	8.0	16.0	Q1
LM324DRG4	SOIC	D	14	2500	330.0	16.4	6.5	9.0	2.1	8.0	16.0	Q1
LM324DRG4	SOIC	D	14	2500	330.0	16.4	6.5	9.0	2.1	8.0	16.0	Q1
LM324KADR	SOIC	D	14	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM324KANSR	SOP	NS	14	2000	330.0	16.4	8.1	10.4	2.5	12.0	16.0	Q1
LM324KAPWR	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
LM324KAPWR	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
LM324KDR	SOIC	D	14	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM324KNSR	SOP	NS	14	2000	330.0	16.4	8.1	10.4	2.5	12.0	16.0	Q1
LM324KPWR	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
LM324KPWR	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
LM324NSR	SOP	NS	14	2000	330.0	16.4	8.1	10.4	2.5	12.0	16.0	Q1
LM324PWR	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
LM324PWRG4	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1

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
LM324PWRG4	TSSOP	PW	14	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1

TAPE AND REEL BOX DIMENSIONS

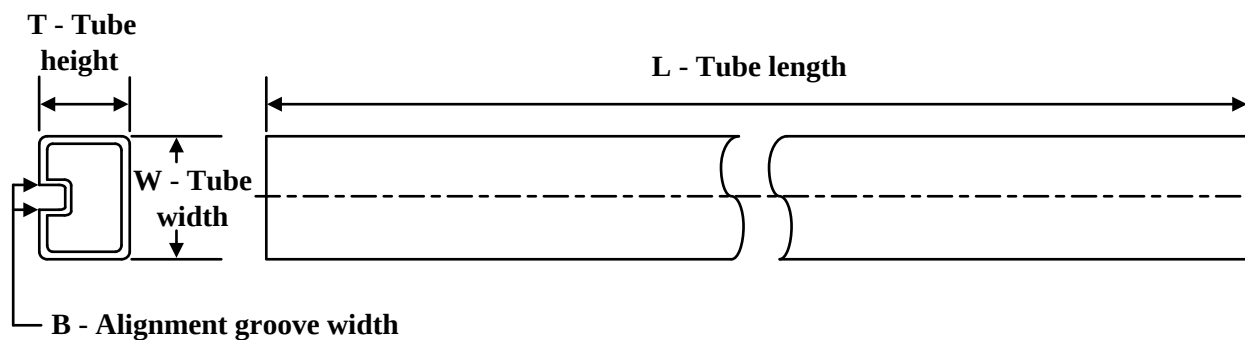


*All dimensions are nominal

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
LM124DR	SOIC	D	14	2500	353.0	353.0	32.0
LM124DRG4	SOIC	D	14	2500	353.0	353.0	32.0
LM224ADR	SOIC	D	14	2500	340.5	336.1	25.0
LM224ADR	SOIC	D	14	2500	340.5	336.1	32.0
LM224ADRG4	SOIC	D	14	2500	340.5	336.1	32.0
LM224DR	SOIC	D	14	2500	340.5	336.1	25.0
LM224KADR	SOIC	D	14	2500	340.5	336.1	25.0
LM224KDR	SOIC	D	14	2500	340.5	336.1	25.0
LM2902BAIDR	SOIC	D	14	3000	353.0	353.0	32.0
LM2902BAIPWR	TSSOP	PW	14	3000	353.0	353.0	32.0
LM2902BIDR	SOIC	D	14	3000	340.5	336.1	25.0
LM2902BIPWR	TSSOP	PW	14	3000	353.0	353.0	32.0
LM2902BIRTER	WQFN	RTE	16	5000	367.0	367.0	35.0
LM2902DR	SOIC	D	14	2500	340.5	336.1	25.0
LM2902DR	SOIC	D	14	2500	353.0	353.0	32.0
LM2902DRG4	SOIC	D	14	2500	353.0	353.0	32.0
LM2902KAVQDR	SOIC	D	14	2500	340.5	336.1	25.0
LM2902KAVQPWR	TSSOP	PW	14	2000	353.0	353.0	32.0

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
LM2902KAVQPWR	TSSOP	PW	14	2000	353.0	353.0	32.0
LM2902KAVQPWRG4	TSSOP	PW	14	2000	353.0	353.0	32.0
LM2902KDR	SOIC	D	14	2500	340.5	336.1	25.0
LM2902KNSR	SOP	NS	14	2000	353.0	353.0	32.0
LM2902KPWR	TSSOP	PW	14	2000	353.0	353.0	32.0
LM2902KPWR	TSSOP	PW	14	2000	353.0	353.0	32.0
LM2902KVQDR	SOIC	D	14	2500	340.5	336.1	25.0
LM2902KVQPWR	TSSOP	PW	14	2000	353.0	353.0	32.0
LM2902KVQPWR	TSSOP	PW	14	2000	353.0	353.0	32.0
LM2902NSR	SOP	NS	14	2000	353.0	353.0	32.0
LM2902PWR	TSSOP	PW	14	2000	353.0	353.0	32.0
LM2902PWRG4	TSSOP	PW	14	2000	353.0	353.0	32.0
LM324ADBR	SSOP	DB	14	2000	353.0	353.0	32.0
LM324ADR	SOIC	D	14	2500	340.5	336.1	25.0
LM324ADR	SOIC	D	14	2500	333.2	345.9	28.6
LM324ANSR	SOP	NS	14	2000	353.0	353.0	32.0
LM324APWR	TSSOP	PW	14	2000	353.0	353.0	32.0
LM324APWR	TSSOP	PW	14	2000	353.0	353.0	32.0
LM324APWRG4	TSSOP	PW	14	2000	353.0	353.0	32.0
LM324APWRG4	TSSOP	PW	14	2000	353.0	353.0	32.0
LM324BAIDR	SOIC	D	14	3000	340.5	336.1	25.0
LM324BAIPWR	TSSOP	PW	14	3000	353.0	353.0	32.0
LM324BIDR	SOIC	D	14	3000	340.5	336.1	25.0
LM324BIPWR	TSSOP	PW	14	3000	353.0	353.0	32.0
LM324BIRTER	WQFN	RTE	16	5000	360.0	360.0	36.0
LM324DR	SOIC	D	14	2500	353.0	353.0	32.0
LM324DRG4	SOIC	D	14	2500	353.0	353.0	32.0
LM324DRG4	SOIC	D	14	2500	353.0	353.0	32.0
LM324KADR	SOIC	D	14	2500	340.5	336.1	25.0
LM324KANSR	SOP	NS	14	2000	353.0	353.0	32.0
LM324KAPWR	TSSOP	PW	14	2000	353.0	353.0	32.0
LM324KAPWR	TSSOP	PW	14	2000	353.0	353.0	32.0
LM324KDR	SOIC	D	14	2500	340.5	336.1	25.0
LM324KNSR	SOP	NS	14	2000	353.0	353.0	32.0
LM324KPWR	TSSOP	PW	14	2000	353.0	353.0	32.0
LM324KPWR	TSSOP	PW	14	2000	353.0	353.0	32.0
LM324NSR	SOP	NS	14	2000	353.0	353.0	32.0
LM324PWR	TSSOP	PW	14	2000	353.0	353.0	32.0
LM324PWRG4	TSSOP	PW	14	2000	353.0	353.0	32.0
LM324PWRG4	TSSOP	PW	14	2000	353.0	353.0	32.0

TUBE



*All dimensions are nominal

Device	Package Name	Package Type	Pins	SPQ	L (mm)	W (mm)	T (μm)	B (mm)
77043012A	FK	LCCC	20	55	506.98	12.06	2030	NA
7704301DA	W	CFP	14	25	506.98	26.16	6220	NA
77043022A	FK	LCCC	20	55	506.98	12.06	2030	NA
7704302DA	W	CFP	14	25	506.98	26.16	6220	NA
LM124AFKB	FK	LCCC	20	55	506.98	12.06	2030	NA
LM124AFKB.A	FK	LCCC	20	55	506.98	12.06	2030	NA
LM124AWB	W	CFP	14	25	506.98	26.16	6220	NA
LM124AWB.A	W	CFP	14	25	506.98	26.16	6220	NA
LM124FKB	FK	LCCC	20	55	506.98	12.06	2030	NA
LM124FKB.A	FK	LCCC	20	55	506.98	12.06	2030	NA
LM124W	W	CFP	14	25	506.98	26.16	6220	NA
LM124W.A	W	CFP	14	25	506.98	26.16	6220	NA
LM124WB	W	CFP	14	25	506.98	26.16	6220	NA
LM124WB.A	W	CFP	14	25	506.98	26.16	6220	NA
LM224AN	N	PDIP	14	25	506	13.97	11230	4.32
LM224AN	N	PDIP	14	25	506	13.97	11230	4.32
LM224AN.A	N	PDIP	14	25	506	13.97	11230	4.32
LM224AN.A	N	PDIP	14	25	506	13.97	11230	4.32
LM224KAN	N	PDIP	14	25	506	13.97	11230	4.32
LM224KAN	N	PDIP	14	25	506	13.97	11230	4.32
LM224KAN.A	N	PDIP	14	25	506	13.97	11230	4.32
LM224KAN.A	N	PDIP	14	25	506	13.97	11230	4.32
LM224KN	N	PDIP	14	25	506	13.97	11230	4.32
LM224KN	N	PDIP	14	25	506	13.97	11230	4.32
LM224KN.A	N	PDIP	14	25	506	13.97	11230	4.32
LM224KN.A	N	PDIP	14	25	506	13.97	11230	4.32
LM224N	N	PDIP	14	25	506	13.97	11230	4.32
LM224N	N	PDIP	14	25	506	13.97	11230	4.32
LM224N.A	N	PDIP	14	25	506	13.97	11230	4.32

Device	Package Name	Package Type	Pins	SPQ	L (mm)	W (mm)	T (μm)	B (mm)
LM224N.A	N	PDIP	14	25	506	13.97	11230	4.32
LM2902KDB	DB	SSOP	14	80	530	10.5	4000	4.1
LM2902KDB.A	DB	SSOP	14	80	530	10.5	4000	4.1
LM2902KN	N	PDIP	14	25	506	13.97	11230	4.32
LM2902KN	N	PDIP	14	25	506	13.97	11230	4.32
LM2902KN.A	N	PDIP	14	25	506	13.97	11230	4.32
LM2902KN.A	N	PDIP	14	25	506	13.97	11230	4.32
LM2902N	N	PDIP	14	25	506	13.97	11230	4.32
LM2902N	N	PDIP	14	25	506	13.97	11230	4.32
LM2902N.A	N	PDIP	14	25	506	13.97	11230	4.32
LM2902N.A	N	PDIP	14	25	506	13.97	11230	4.32
LM324AN	N	PDIP	14	25	506	13.97	11230	4.32
LM324AN.A	N	PDIP	14	25	506	13.97	11230	4.32
LM324KAN	N	PDIP	14	25	506	13.97	11230	4.32
LM324KAN.A	N	PDIP	14	25	506	13.97	11230	4.32
LM324KN	N	PDIP	14	25	506	13.97	11230	4.32
LM324KN.A	N	PDIP	14	25	506	13.97	11230	4.32
LM324N	N	PDIP	14	25	506	13.97	11230	4.32
LM324N.A	N	PDIP	14	25	506	13.97	11230	4.32