

**TAPE AND REEL INFORMATION**

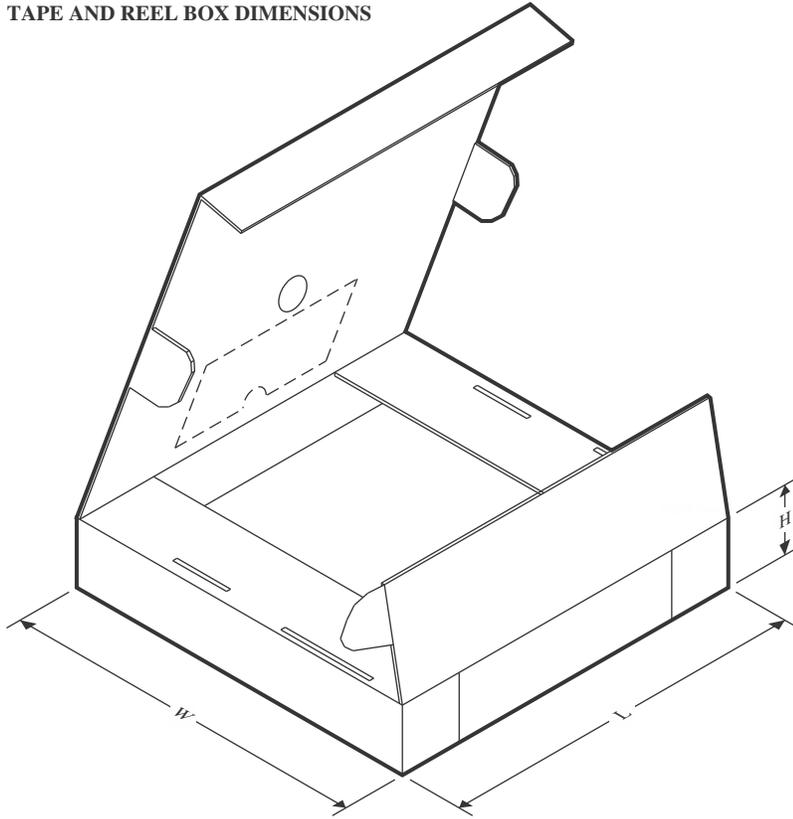
**QUADRANT ASSIGNMENTS FOR PIN 1 ORIENTATION IN TAPE**


\*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
LM193DR	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM193DR	SOIC	D	8	2500	330.0	12.4	6.5	5.4	2.0	8.0	12.0	Q1
LM193DRG4	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM2903AVQDR	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM2903AVQDR	SOIC	D	8	2500	330.0	12.5	6.4	5.2	2.1	8.0	12.0	Q1
LM2903AVQDRG4	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM2903AVQPWR	TSSOP	PW	8	2000	330.0	12.4	7.0	3.6	1.6	8.0	12.0	Q1
LM2903AVQPWRG4	TSSOP	PW	8	2000	330.0	12.4	7.0	3.6	1.6	8.0	12.0	Q1
LM2903BIDDFR	SOT-23-THIN	DDF	8	3000	180.0	8.4	3.2	3.2	1.4	4.0	8.0	Q3
LM2903BIDDFRG4	SOT-23-THIN	DDF	8	3000	180.0	8.4	3.2	3.2	1.4	4.0	8.0	Q3
LM2903BIDGKR	VSSOP	DGK	8	2500	330.0	12.4	5.3	3.4	1.4	8.0	12.0	Q1
LM2903BIDGKR	VSSOP	DGK	8	2500	330.0	12.4	5.3	3.4	1.4	8.0	12.0	Q1
LM2903BIDGKR	VSSOP	DGK	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM2903BIDGKRG4	VSSOP	DGK	8	2500	330.0	12.4	5.3	3.4	1.4	8.0	12.0	Q1
LM2903BIDR	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	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
LM2903BIDR	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM2903BIDRG4	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM2903BIDSGR	WSON	DSG	8	3000	180.0	8.4	2.3	2.3	1.15	4.0	8.0	Q2
LM2903BIDSGRG4	WSON	DSG	8	3000	180.0	8.4	2.3	2.3	1.15	4.0	8.0	Q2
LM2903BIPWR	TSSOP	PW	8	2000	330.0	12.4	7.0	3.6	1.6	8.0	12.0	Q1
LM2903DGKR	VSSOP	DGK	8	2500	330.0	12.4	5.3	3.4	1.4	8.0	12.0	Q1
LM2903DGKR	VSSOP	DGK	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM2903DR	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM2903DR	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM2903DRG3	SOIC	D	8	2500	330.0	12.8	6.4	5.2	2.1	8.0	12.0	Q1
LM2903PSR	SO	PS	8	2000	330.0	16.4	8.35	6.6	2.4	12.0	16.0	Q1
LM2903PWR	TSSOP	PW	8	2000	330.0	12.4	7.0	3.6	1.6	8.0	12.0	Q1
LM2903PWRG3	TSSOP	PW	8	2000	330.0	12.4	7.0	3.6	1.6	8.0	12.0	Q1
LM2903PWRG4	TSSOP	PW	8	2000	330.0	12.4	7.0	3.6	1.6	8.0	12.0	Q1
LM2903VQDR	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM2903VQDR	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM2903VQDR	SOIC	D	8	2500	330.0	12.5	6.4	5.2	2.1	8.0	12.0	Q1
LM2903VQPWR	TSSOP	PW	8	2000	330.0	12.4	7.0	3.6	1.6	8.0	12.0	Q1
LM293ADGKR	VSSOP	DGK	8	2500	330.0	12.4	5.3	3.4	1.4	8.0	12.0	Q1
LM293ADR	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM293ADR	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM293DGKR	VSSOP	DGK	8	2500	330.0	12.4	5.3	3.4	1.4	8.0	12.0	Q1
LM293DR	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM293DR	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM293DRG3	SOIC	D	8	2500	330.0	12.8	6.4	5.2	2.1	8.0	12.0	Q1
LM393ADGKR	VSSOP	DGK	8	2500	330.0	12.4	5.3	3.4	1.4	8.0	12.0	Q1
LM393ADR	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM393ADR	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM393APSR	SO	PS	8	2000	330.0	16.4	8.35	6.6	2.4	12.0	16.0	Q1
LM393APWR	TSSOP	PW	8	2000	330.0	12.4	7.0	3.6	1.6	8.0	12.0	Q1
LM393BIDDFR	SOT-23-THIN	DDF	8	3000	180.0	8.4	3.2	3.2	1.4	4.0	8.0	Q3
LM393BIDDFRG4	SOT-23-THIN	DDF	8	3000	180.0	8.4	3.2	3.2	1.4	4.0	8.0	Q3
LM393BIDGKR	VSSOP	DGK	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM393BIDR	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM393BIDR	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM393BIDRG4	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM393BIDSGR	WSON	DSG	8	3000	180.0	8.4	2.3	2.3	1.15	4.0	8.0	Q2
LM393BIDSGRG4	WSON	DSG	8	3000	180.0	8.4	2.3	2.3	1.15	4.0	8.0	Q2
LM393BIPWR	TSSOP	PW	8	2000	330.0	12.4	7.0	3.6	1.6	8.0	12.0	Q1
LM393DGKR	VSSOP	DGK	8	2500	330.0	12.4	6.4	5.2	2.1	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
LM393DGKR	VSSOP	DGK	8	2500	330.0	12.4	5.3	3.4	1.4	8.0	12.0	Q1
LM393DR	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM393DR	SOIC	D	8	2500	330.0	12.4	6.4	5.2	2.1	8.0	12.0	Q1
LM393DRG3	SOIC	D	8	2500	330.0	12.8	6.4	5.2	2.1	8.0	12.0	Q1
LM393PSR	SO	PS	8	2000	330.0	16.4	8.35	6.6	2.4	12.0	16.0	Q1
LM393PWR	TSSOP	PW	8	2000	330.0	12.4	7.0	3.6	1.6	8.0	12.0	Q1
LM393PWRG3	TSSOP	PW	8	2000	330.0	12.4	7.0	3.6	1.6	8.0	12.0	Q1
LM393PWRG4	TSSOP	PW	8	2000	330.0	12.4	7.0	3.6	1.6	8.0	12.0	Q1

**TAPE AND REEL BOX DIMENSIONS**


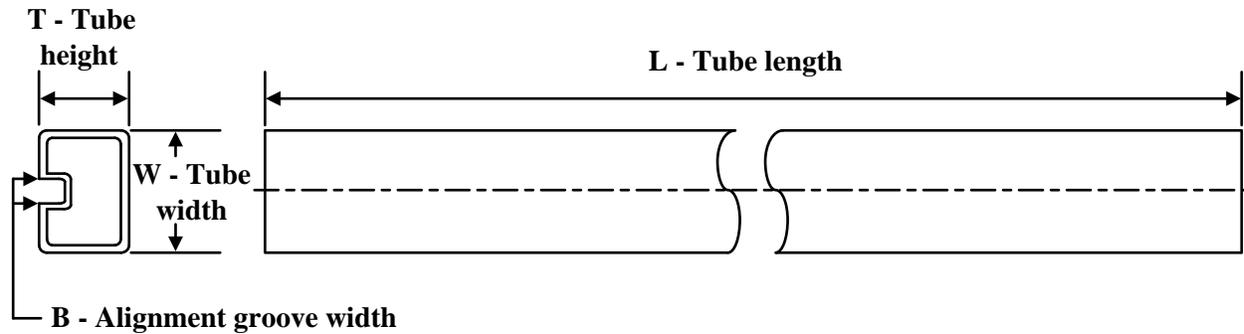
\*All dimensions are nominal

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
LM193DR	SOIC	D	8	2500	353.0	353.0	32.0
LM193DR	SOIC	D	8	2500	367.0	367.0	35.0
LM193DRG4	SOIC	D	8	2500	353.0	353.0	32.0
LM2903AVQDR	SOIC	D	8	2500	340.5	338.1	20.6
LM2903AVQDR	SOIC	D	8	2500	353.0	353.0	32.0
LM2903AVQDRG4	SOIC	D	8	2500	353.0	353.0	32.0
LM2903AVQPWR	TSSOP	PW	8	2000	353.0	353.0	32.0
LM2903AVQPWRG4	TSSOP	PW	8	2000	353.0	353.0	32.0
LM2903BIDDFR	SOT-23-THIN	DDF	8	3000	210.0	185.0	35.0
LM2903BIDDFRG4	SOT-23-THIN	DDF	8	3000	210.0	185.0	35.0
LM2903BIDGKR	VSSOP	DGK	8	2500	353.0	353.0	32.0
LM2903BIDGKR	VSSOP	DGK	8	2500	367.0	367.0	35.0
LM2903BIDGKR	VSSOP	DGK	8	2500	353.0	353.0	32.0
LM2903BIDGKRG4	VSSOP	DGK	8	2500	353.0	353.0	32.0
LM2903BIDR	SOIC	D	8	2500	356.0	356.0	35.0
LM2903BIDR	SOIC	D	8	2500	353.0	353.0	32.0
LM2903BIDRG4	SOIC	D	8	2500	353.0	353.0	32.0
LM2903BIDSGR	WSON	DSG	8	3000	210.0	185.0	35.0

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
LM2903BIDSGRG4	WSON	DSG	8	3000	210.0	185.0	35.0
LM2903BIPWR	TSSOP	PW	8	2000	353.0	353.0	32.0
LM2903DGKR	VSSOP	DGK	8	2500	364.0	364.0	27.0
LM2903DGKR	VSSOP	DGK	8	2500	353.0	353.0	32.0
LM2903DR	SOIC	D	8	2500	340.5	338.1	20.6
LM2903DR	SOIC	D	8	2500	353.0	353.0	32.0
LM2903DRG3	SOIC	D	8	2500	364.0	364.0	27.0
LM2903PSR	SO	PS	8	2000	353.0	353.0	32.0
LM2903PWR	TSSOP	PW	8	2000	353.0	353.0	32.0
LM2903PWRG3	TSSOP	PW	8	2000	364.0	364.0	27.0
LM2903PWRG4	TSSOP	PW	8	2000	353.0	353.0	32.0
LM2903VQDR	SOIC	D	8	2500	353.0	353.0	32.0
LM2903VQDR	SOIC	D	8	2500	340.5	338.1	20.6
LM2903VQDR	SOIC	D	8	2500	353.0	353.0	32.0
LM2903VQPWR	TSSOP	PW	8	2000	353.0	353.0	32.0
LM293ADGKR	VSSOP	DGK	8	2500	353.0	353.0	32.0
LM293ADR	SOIC	D	8	2500	353.0	353.0	32.0
LM293ADR	SOIC	D	8	2500	340.5	338.1	20.6
LM293DGKR	VSSOP	DGK	8	2500	353.0	353.0	32.0
LM293DR	SOIC	D	8	2500	353.0	353.0	32.0
LM293DR	SOIC	D	8	2500	340.5	338.1	20.6
LM293DRG3	SOIC	D	8	2500	364.0	364.0	27.0
LM393ADGKR	VSSOP	DGK	8	2500	353.0	353.0	32.0
LM393ADR	SOIC	D	8	2500	340.5	338.1	20.6
LM393ADR	SOIC	D	8	2500	353.0	353.0	32.0
LM393APSR	SO	PS	8	2000	353.0	353.0	32.0
LM393APWR	TSSOP	PW	8	2000	353.0	353.0	32.0
LM393BIDDFR	SOT-23-THIN	DDF	8	3000	210.0	185.0	35.0
LM393BIDDFRG4	SOT-23-THIN	DDF	8	3000	210.0	185.0	35.0
LM393BIDGKR	VSSOP	DGK	8	2500	353.0	353.0	32.0
LM393BIDR	SOIC	D	8	2500	353.0	353.0	32.0
LM393BIDR	SOIC	D	8	2500	356.0	356.0	35.0
LM393BIDRG4	SOIC	D	8	2500	353.0	353.0	32.0
LM393BIDSGR	WSON	DSG	8	3000	210.0	185.0	35.0
LM393BIDSGRG4	WSON	DSG	8	3000	210.0	185.0	35.0
LM393BIPWR	TSSOP	PW	8	2000	353.0	353.0	32.0
LM393DGKR	VSSOP	DGK	8	2500	353.0	353.0	32.0
LM393DGKR	VSSOP	DGK	8	2500	353.0	353.0	32.0
LM393DR	SOIC	D	8	2500	340.5	338.1	20.6
LM393DR	SOIC	D	8	2500	353.0	353.0	32.0
LM393DRG3	SOIC	D	8	2500	364.0	364.0	27.0
LM393PSR	SO	PS	8	2000	353.0	353.0	32.0
LM393PWR	TSSOP	PW	8	2000	353.0	353.0	32.0

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Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
LM393PWRG3	TSSOP	PW	8	2000	364.0	364.0	27.0
LM393PWRG4	TSSOP	PW	8	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)
LM2903P	P	PDIP	8	50	506	13.97	11230	4.32
LM2903P.A	P	PDIP	8	50	506	13.97	11230	4.32
LM2903P.B	P	PDIP	8	50	506	13.97	11230	4.32
LM2903QD	D	SOIC	8	75	505.46	6.76	3810	4
LM2903QD.A	D	SOIC	8	75	505.46	6.76	3810	4
LM293P	P	PDIP	8	50	506	13.97	11230	4.32
LM293P.A	P	PDIP	8	50	506	13.97	11230	4.32
LM293P.B	P	PDIP	8	50	506	13.97	11230	4.32
LM393AP	P	PDIP	8	50	506	13.97	11230	4.32
LM393AP	P	PDIP	8	50	506.1	9	600	5.4
LM393AP.A	P	PDIP	8	50	506	13.97	11230	4.32
LM393AP.A	P	PDIP	8	50	506.1	9	600	5.4
LM393AP.B	P	PDIP	8	50	506	13.97	11230	4.32
LM393AP.B	P	PDIP	8	50	506.1	9	600	5.4
LM393P	P	PDIP	8	50	506	13.97	11230	4.32
LM393P	P	PDIP	8	50	506.1	9	600	5.4
LM393P.A	P	PDIP	8	50	506.1	9	600	5.4
LM393P.A	P	PDIP	8	50	506	13.97	11230	4.32
LM393P.B	P	PDIP	8	50	506.1	9	600	5.4
LM393P.B	P	PDIP	8	50	506	13.97	11230	4.32
LM393PE3	P	PDIP	8	50	506.1	9	600	5.4
LM393PE3.A	P	PDIP	8	50	506.1	9	600	5.4
LM393PE4	P	PDIP	8	50	506	13.97	11230	4.32
LM393PE4.A	P	PDIP	8	50	506	13.97	11230	4.32
LM393PE4.B	P	PDIP	8	50	506	13.97	11230	4.32
LM393PS	PS	SOP	8	80	530	10.5	4000	4.1
LM393PS.A	PS	SOP	8	80	530	10.5	4000	4.1