

**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
ULN2003ADR	SOIC	D	16	2500	330.0	16.4	6.5	10.3	2.1	8.0	16.0	Q1
ULN2003ADR	SOIC	D	16	2500	330.0	16.4	6.5	10.3	2.1	8.0	16.0	Q1
ULN2003ADRG3	SOIC	D	16	2500	330.0	16.8	6.5	10.3	2.1	8.0	16.0	Q1
ULN2003ADRG4	SOIC	D	16	2500	330.0	16.4	6.5	10.3	2.1	8.0	16.0	Q1
ULN2003ADRG4	SOIC	D	16	2500	330.0	16.4	6.5	10.3	2.1	8.0	16.0	Q1
ULN2003AIDR	SOIC	D	16	2500	330.0	16.4	6.5	10.3	2.1	8.0	16.0	Q1
ULN2003AIDR	SOIC	D	16	2500	330.0	16.8	6.5	10.3	2.1	8.0	16.0	Q1
ULN2003AIDRG4	SOIC	D	16	2500	330.0	16.4	6.5	10.3	2.1	8.0	16.0	Q1
ULN2003AINSR	SO	NS	16	2000	330.0	16.4	8.2	10.5	2.5	12.0	16.0	Q1
ULN2003AIPWR	TSSOP	PW	16	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
ULN2003AIPWRG4	TSSOP	PW	16	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
ULN2003ANSR	SO	NS	16	2000	330.0	16.4	8.2	10.5	2.5	12.0	16.0	Q1
ULN2003APWR	TSSOP	PW	16	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
ULN2003APWRG4	TSSOP	PW	16	2000	330.0	12.4	6.9	5.6	1.6	8.0	12.0	Q1
ULN2004ADR	SOIC	D	16	2500	330.0	16.4	6.5	10.3	2.1	8.0	16.0	Q1
ULN2004ADR	SOIC	D	16	2500	330.0	16.4	6.5	10.3	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
ULN2004ADRG4	SOIC	D	16	2500	330.0	16.4	6.5	10.3	2.1	8.0	16.0	Q1
ULN2004ADRG4	SOIC	D	16	2500	330.0	16.4	6.5	10.3	2.1	8.0	16.0	Q1
ULN2004ANSR	SO	NS	16	2000	330.0	16.4	8.2	10.5	2.5	12.0	16.0	Q1
ULQ2003ADR	SOIC	D	16	2500	330.0	16.4	6.5	10.3	2.1	8.0	16.0	Q1
ULQ2003ADRG4	SOIC	D	16	2500	330.0	16.4	6.5	10.3	2.1	8.0	16.0	Q1

**TAPE AND REEL BOX DIMENSIONS**


\*All dimensions are nominal

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
ULN2003ADR	SOIC	D	16	2500	340.5	336.1	32.0
ULN2003ADR	SOIC	D	16	2500	356.0	356.0	35.0
ULN2003ADRG3	SOIC	D	16	2500	364.0	364.0	27.0
ULN2003ADRG4	SOIC	D	16	2500	340.5	336.1	32.0
ULN2003ADRG4	SOIC	D	16	2500	367.0	367.0	38.0
ULN2003AIDR	SOIC	D	16	2500	340.5	336.1	32.0
ULN2003AIDR	SOIC	D	16	2500	364.0	364.0	27.0
ULN2003AIDRG4	SOIC	D	16	2500	340.5	336.1	32.0
ULN2003AINSR	SO	NS	16	2000	356.0	356.0	35.0
ULN2003AIPWR	TSSOP	PW	16	2000	356.0	356.0	35.0
ULN2003AIPWRG4	TSSOP	PW	16	2000	356.0	356.0	35.0
ULN2003ANSR	SO	NS	16	2000	356.0	356.0	35.0
ULN2003APWR	TSSOP	PW	16	2000	356.0	356.0	35.0
ULN2003APWRG4	TSSOP	PW	16	2000	356.0	356.0	35.0
ULN2004ADR	SOIC	D	16	2500	356.0	356.0	35.0
ULN2004ADR	SOIC	D	16	2500	340.5	336.1	32.0
ULN2004ADRG4	SOIC	D	16	2500	356.0	356.0	35.0
ULN2004ADRG4	SOIC	D	16	2500	340.5	336.1	32.0

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Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
ULN2004ANSR	SO	NS	16	2000	356.0	356.0	35.0
ULQ2003ADR	SOIC	D	16	2500	340.5	336.1	32.0
ULQ2003ADRG4	SOIC	D	16	2500	356.0	356.0	35.0

**TUBE**


\*All dimensions are nominal

Device	Package Name	Package Type	Pins	SPQ	L (mm)	W (mm)	T (µm)	B (mm)
ULN2002AN	N	PDIP	16	25	506	13.97	11230	4.32
ULN2002ANE4	N	PDIP	16	25	506	13.97	11230	4.32
ULN2003AD	D	SOIC	16	40	506.6	8	3940	4.32
ULN2003AD	D	SOIC	16	40	507	8	3940	4.32
ULN2003ADE4	D	SOIC	16	40	507	8	3940	4.32
ULN2003ADE4	D	SOIC	16	40	506.6	8	3940	4.32
ULN2003AID	D	SOIC	16	40	507	8	3940	4.32
ULN2003AIDE4	D	SOIC	16	40	507	8	3940	4.32
ULN2003AIDG4	D	SOIC	16	40	507	8	3940	4.32
ULN2003AIN	N	PDIP	16	25	506	13.97	11230	4.32
ULN2003AIN	N	PDIP	16	25	506	13.97	11230	4.32
ULN2003AIN	N	PDIP	16	25	506.1	9	600	5.4
ULN2003AINE4	N	PDIP	16	25	506	13.97	11230	4.32
ULN2003AINE4	N	PDIP	16	25	506	13.97	11230	4.32
ULN2003AINE4	N	PDIP	16	25	506.1	9	600	5.4
ULN2003AIPW	PW	TSSOP	16	90	530	10.2	3600	3.5
ULN2003AN	N	PDIP	16	25	506.1	9	600	5.4
ULN2003AN	N	PDIP	16	25	506	13.97	11230	4.32
ULN2003AN	N	PDIP	16	25	506	13.97	11230	4.32
ULN2003ANE4	N	PDIP	16	25	506	13.97	11230	4.32
ULN2003ANS	NS	SOP	16	50	530	10.5	4000	4.1
ULN2003APW	PW	TSSOP	16	90	530	10.2	3600	3.5
ULN2003APWG4	PW	TSSOP	16	90	530	10.2	3600	3.5
ULN2004AD	D	SOIC	16	40	506.6	8	3940	4.32
ULN2004AD	D	SOIC	16	40	507	8	3940	4.32
ULN2004ADE4	D	SOIC	16	40	506.6	8	3940	4.32
ULN2004ADE4	D	SOIC	16	40	507	8	3940	4.32
ULN2004ADG4	D	SOIC	16	40	507	8	3940	4.32
ULN2004ADG4	D	SOIC	16	40	506.6	8	3940	4.32

Device	Package Name	Package Type	Pins	SPQ	L (mm)	W (mm)	T (μm)	B (mm)
ULN2004AN	N	PDIP	16	25	506	13.97	11230	4.32
ULN2004AN	N	PDIP	16	25	506	13.97	11230	4.32
ULN2004ANE4	N	PDIP	16	25	506	13.97	11230	4.32
ULN2004ANE4	N	PDIP	16	25	506	13.97	11230	4.32
ULQ2003AD	D	SOIC	16	40	506.6	8	3940	4.32
ULQ2003AD	D	SOIC	16	40	507	8	3940	4.32
ULQ2003ADG4	D	SOIC	16	40	507	8	3940	4.32
ULQ2003ADG4	D	SOIC	16	40	506.6	8	3940	4.32
ULQ2003AN	N	PDIP	16	25	506	13.97	11230	4.32
ULQ2003AN	N	PDIP	16	25	506	13.97	11230	4.32
ULQ2004AD	D	SOIC	16	40	507	8	3940	4.32
ULQ2004ADG4	D	SOIC	16	40	507	8	3940	4.32
ULQ2004AN	N	PDIP	16	25	506	13.97	11230	4.32