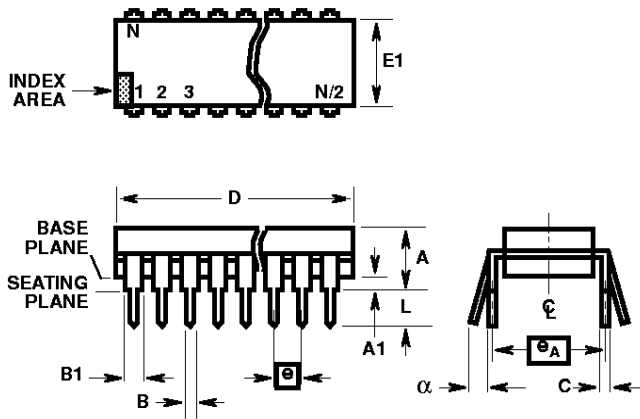




Dual-In-Line Plastic Packages (PDIP)



E24.4-S  
24 LEAD DUAL-IN-LINE PLASTIC PACKAGE (400 MIL)

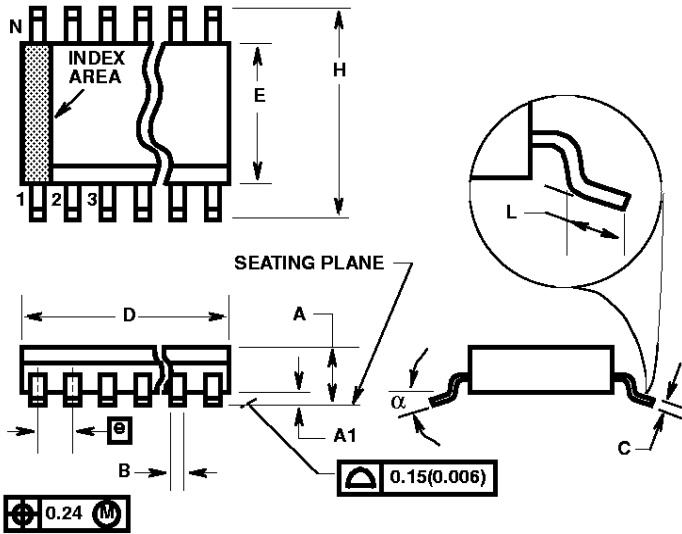
SYMBOL	INCHES		MILLIMETERS		NOTES
	MIN	MAX	MIN	MAX	
A	0.142	0.161	3.60	4.10	2
A1	0.020	-	0.50	-	2
B	0.016	0.023	0.40	0.60	-
B1	0.042	0.053	1.05	1.35	-
C	0.008	0.013	0.20	0.35	-
D	1.185	1.204	30.10	30.60	3
E1	0.331	0.346	8.40	8.80	3
e	0.100 BSC		2.54 BSC		-
e <sub>A</sub>	0.400 BSC		10.16 BSC		4
L	0.119	-	3.0	-	2
N	24		24		5
α	0°	15°	0°	15°	-

NOTES:

1. Controlling Dimensions: MILLIMETER. In case of conflict between English and Metric dimensions, the metric dimensions control.
2. Dimensions A, A1 and L are measured with the package seated in JEDEC seating plane gauge GS-3.
3. D and E1 dimensions do not include mold flash or protrusions.
4. e<sub>A</sub> is measured with the leads constrained to be perpendicular to base plane.
5. N is the maximum number of terminal positions.

Rev. 1 4/95

**Small Outline Plastic Packages (SOIC)**



**M24.2-S**  
24 LEAD SMALL OUTLINE PLASTIC PACKAGE (200 MIL)

SYMBOL	INCHES		MILLIMETERS		NOTES
	MIN	MAX	MIN	MAX	
A	0.067	0.088	1.70	2.25	-
A1	0.002	0.011	0.05	0.30	-
B	0.014	0.021	0.35	0.55	-
C	0.006	0.011	0.15	0.30	-
D	0.587	0.606	14.9	15.4	1
E	0.205	0.220	5.2	5.6	2
e	0.050 BSC		1.27 BSC		-
H	0.296	0.326	7.5	8.3	-
L	0.012	0.027	0.30	0.70	3
N	24		24		4
$\alpha$	0°	10°	0°	10°	-

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**NOTES:**

1. Dimension "D" does not include mold flash, protrusions or gate burrs.
2. Dimension "E" does not include interlead flash or protrusions.
3. "L" is the length of terminal for soldering to a substrate.
4. "N" is the number of terminal positions.
5. Terminal numbers are shown for reference only.
6. Controlling dimension: MILLIMETER. Converted inch dimensions are not necessarily exact.

All Harris Semiconductor products are manufactured, assembled and tested under **ISO9000** quality systems certification.

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