

upc print specification



**LITTON ARS**  
Advanced Retail Systems



This submission of a symbol specification to the UPC Industry Committee for the evaluation of the cost of source marking the Litton and Zellweger symbol does not constitute a product announcement by either firm. Both firms reserve the right to change this specification at a later date.

## CONTENTS

1.0	INTRODUCTION.....	1
2.0	SYMBOL USAGE.....	2
2.1	GENERAL APPLICATIONS.....	2
2.1.1	PACKAGE TYPES.....	2
2.1.2	SYMBOL FORM AND LOCATION.....	2
2.2	SIDE LABEL APPLICATIONS.....	6
2.2.1	PACKAGE TYPES.....	6
2.2.2	SYMBOL FORM AND LOCATION.....	6
2.3	SURFACE CONSTRAINTS.....	6
2.3.1	DEPTH.....	6
2.3.2	ANGLE.....	8
2.3.3	CURVATURE.....	8
2.3.4	IRREGULARITIES.....	8
3.0	SYMBOL PHYSICAL PROPERTIES.....	10
3.1	DIMENSIONAL PARAMETERS.....	10
3.1.1	GRAPHIC DESIGN.....	10
3.1.2	FULL SYMBOL LAYOUT AND DIMENSIONS.....	10
3.1.3	TRUNCATED SYMBOLS.....	14
3.2	OPTICAL PARAMETERS.....	14
3.2.1	REFLECTANCE.....	14
3.2.2	PRINT CONTRAST SIGNAL.....	17
3.2.3	GLOSS.....	17
3.2.4	OPACITY.....	17
3.2.5	COLOR.....	17

