

REVISION	DESCRIPTION	ECO NO.	DATE	ISS'D BY	APPROVAL

COMPANY
CONFIDENTIAL

YES

NO

AUTHORIZING
SIGNATURE

DOCUMENT TITLE:

DOCUMENT NUMBER:

Inbound Part Identification

Marking Requirements

Purpose

To outline the bar code symbologies required for applicable documents and parts identification of materials manufactured for Ceradyne.

Scope

This specification establishes the minimum requirements for marking or labeling individual parts, unit packs, kits, assemblies/subassemblies, and master packs. This specification does not define the marking methods or location of the markings on the individual parts, unit packs, or master packs. Suppliers should review and obtain approval of these details from Ceradyne.

Applicable documents

- MIL-STD-130M DoD Standard Practice Identification Marking of U.S. Military Property
- AIAG B4 Parts Identification and Tracking Application Standard
- ISO/IEC 15416 Bar Code Print Quality Test Specification – Linear Symbols
- QCP-144 Product Identification and Traceability

Symbologies

- Code 128 or code 39 should be used for linear bar code symbol.
- 2D (two-dimensional) symbols or RFID tags require Ceradyne approval for specific applications.

Lot/batch number

Supplier is required to establish a lot traceability system that tracks components from raw material through manufacturing processes. As applicable, date of manufacturing (DOM) or other identifiers should be added to the lot/batch number of the component if the component is manufactured on different date(s) from one single lot/batch of raw material.

The maximum data length of batch/lot number or combination of lot/batch number and additional identifier(s) should not exceed 14 characters.

Packing Slip

The following bar codes with human readable interpretation should be printed or labeled on the packing slip.

- Purchase order number
- Packing slip number or equivalent
- Lot/batch number(s)

Labeling

Supplier should mark or label each unit pack, kit, assembly/subassembly, or individual part with the following minimum information in bar codes with human readable interpretation.

- PART NO. (P) Ceradyne part number (as shown on purchase order)
- QUANTITY (Q) Quantity per unit pack
- P.O. (K) Ceradyne purchase order number
- SUPPLIER (V) Supplier code assigned by Ceradyne
- SPLR DOM/LOT (1T) Date of manufacturing YYYY/MM/DD (if applicable) and/or lot/batch number

Sample Unit Label



Sample Master Label

As applicable, supplier should also provide a master label of common items packs as shown below:



Quality Assurance

Code 128 or code 39 symbol on packing slip and label must be readable throughout the system of use. 100% quality check or sampling check should be performed from label production through end use.