







# GS1 BARCODE CHART

THIS LIST IS A SUBSET, NOT ALL INCLUSIVE

BARCODE	DISPLAY	NUMERIC DIGITS	DATA STRUCTURE	USAGE	USAGE EXAMPLES
UPC-A	 4 14141 00734 9	12	GTIN-12	The UPC-A uniquely identifies a product for retail checkout. It encodes the Global Trade Item Number (GTIN-12) and is also used by retailers to identify privately owned brand products sold only in their stores.	Used on retail items that cross point of sale applications.
EAN-13	 9 876543 210128 >	13	GTIN-13	The EAN-13 is used for marking products often sold at retail point of sale and general distribution. It encodes the Global Trade Item Number (GTIN-13). Used on retail product marking world wide. Also used by retailers to identify privately owned brand products sold only in their stores.	Used on retail items that cross point of sale applications such as periodicals, magazines, and books, and also used on coupons outside of North America.
ITF-14	 2 06 14141 98765 2	14	GTIN-12 GTIN-13 GTIN-14	The ITF-14 is generally used on higher packaging levels of a product, such as a case or carton. It lends itself well to be directly printed on corrugate material. It encodes three specific instances of the Global Trade Item Number (GTIN), (e.g., GTIN-12, GTIN-13, GTIN-14).	Used on standard product groupings such as a case of dish washing detergent (24 bottle count).
BARCODE	DISPLAY	ALPHA/NUMERIC	DATA STRUCTURE	USAGE	USAGE EXAMPLES
GS1-128	 (00) 0 0614141 000098765 8	UP to 48 characters	GTIN plus additional information using GS1 Application Identifiers	The GS1-128 uses a series of GS1 Application Identifiers (AIs) to include additional data such as Best Before Date, Batch/Lot Number, Quantity, Weight, and many other attributes. It also encodes the SSCC (Serial Shipping Container Code).	Used on large bulk items such as pallets or logistic units.
GS1 DATABAR EXPANDED	 (01) 0 0614141 00734 9	Up to 74 numeric or 41 alphanumeric characters	GTIN plus additional information using GS1 Application Identifiers	The GS1 DataBar Expanded is used for marking products that cross point of sale applications. It encodes any of the GS1 Identification Numbers plus supplementary AI Element Strings, such as Weight and Best Before Date, in a linear symbol that can be scanned omnidirectionally by suitably programmed scanners.	Used for additional information such as expiration date on fresh foods, and also used on coupons in North America. <i>*Coupons are less prevalent in Canada than United States. In Canada coupons are processed by coupon clearing houses.</i>
GS1 DATABAR EXPANDED STACKED	 (01) 00614141007349 (17) 111231 (10) A1B2C3D4	Up to 74 numeric or 41 alphanumeric characters	GTIN plus additional information using GS1 Application Identifiers	The GS1 DataBar Expanded Stacked is used for marking products that cross point of sale applications. It encodes any of the GS1 Identification Numbers plus supplementary AI Element Strings, such as Weight and Best Before Date, in a <b>stacked</b> linear symbol that can be scanned omnidirectionally by suitably programmed scanners.	Used for additional information such as expiration date on fresh foods, and also used on coupons in North America. <i>*Coupons are less prevalent in Canada than United States. In Canada coupons are processed by coupon clearing houses.</i>