Data Matrix scanner test sheet

US Letter · engine 2.0.1

Print at 100% ("Actual size"), not "Fit to page". Scan each code: your scanner should return exactly the text printed under it (T10 may also start with]d2). A miss on T3 (tiny) or T9 (DMRE) shows your scanner's limits.

This bar should measure 100 mm (3.94 in).
If it does not, the page was scaled when printed.

T1 Part number



14 × 14 · 0.50 mm modules · 7 × 7 mm

Reads: PART-000123

T2 Part number, smaller



14 × 14 · 0.33 mm modules · 4.6 × 4.6 mm

Reads: PART-000123

T3 Part number, small



14 × 14 · 0.25 mm modules · 3.5 × 3.5 mm

Reads: PART-000123

T4 Smallest size



10 × 10 · 0.50 mm modules · 5 × 5 mm

Reads: 123456

T5 Web address



22 × 22 · 0.50 mm modules · 11 × 11 mm

Reads: https://example.com/p/PART-000123

T6 Full 32 × 32



32 × 32 · 0.40 mm modules · 12.8 × 12.8 mm

Reads: 01234567890123456789012… (124 digits)

T7 Rectangle



8 × 32 · 0.50 mm modules · 16 × 4 mm

Reads: PART-000123

T8 Large rectangle



16 × 48 · 0.50 mm modules · 24 × 8 mm

Reads: PART-000123 LOT 2611-A QTY 25

T9 DMRE rectangle



8 × 64 DMRE · 0.50 mm modules · 32 × 4 mm

Reads: PART-000123 LOT 2611

T10 GS1 DataMatrix



22 × 22 · 0.50 mm modules · 11 × 11 mm

Reads: 0109506000134352172812311 0LOT42<GS>21SN1001

T11 UTF-8 with ECI



22 × 22 · 0.50 mm modules · 11 × 11 mm

Reads: Größe M – 5 €

T12 Part number, large



14 × 14 · 1.00 mm modules · 14 × 14 mm

Reads: PART-000123

Every code decodes in independent software (zxing-cpp). This sheet does not grade print quality: that needs an ISO/IEC 15415 verifier.

datamatrixcodegenerator.com/guides/data-matrix-examples/ · Free to copy and share (CC0) · Full expected text for every code is on that page.