

# GMA3527-C Smart Scan Module

The GMA3527-C redefines industry expectations for 1D barcode scanning performance. As the benchmark product in its class, it offers the widest scanning range available, enabling users to capture barcodes from both near and far without adjusting the scanner manually. Its intelligent auto-switching between wide and narrow scanning angles ensures quick barcode acquisition, even in complex or cluttered environments. This flexibility makes it ideal for inventory management, logistics, and retail applications where speed and accuracy are essential.

## FEATURES

- Specially Designed for 1D Scenarios**  
The GMA3527-C integrates a high-sensitivity linear imaging engine, enabling fast and accurate scanning of all common 1D symbologies.
- Large Working Range From Near Contact to 5.1 m**  
Automatically optimizes scanning parameters to create an extraordinary extended working range for easy scanning of bar codes that are near and far.
- Best-in-Class 1D Scanning Performance and Range**  
With advanced adaptive scanning, powerful decoding performance, and an extended working range, GMA3527-C's scanning of 1D barcodes becomes faster and more accurate than ever.



### PERFORMANCE CHARACTERISTICS

Sensor	Laser
Optical Resolution	0.0015in. minimum element width
Field of View	47° wide, 10° medium, 10° narrow
Screw, Pitch, Roll	Skew tolerance: ±40° from normal Pitch tolerance: ±65° from normal Roll tolerance: 35° from normal
Supported Symbologies	Code39, Code128, Codabar, Code11, UPC/EAN, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Matrix 2 of 5, Korean 3 of 5, GS1 Databar, Code93, MSI Composite

### PHYSICAL PARAMETER

Dimension	35.3 x 26.8 x 13.3mm
Weight	11.2g
Operation Voltage	DC 3.3V
Operation Current	135mA
Interfaces	Serial Port

### USER ENVIRONMENT

Ambient Light	Max 107,639lux (direct sunlight)
Operating Temperature	-30°C~60°C
Storage Temperature	-40°C~70°C
Humidity	95% RH non-condensing
Electrostatic Discharge (ESD)	±8kv DC discharge, ±15kv air discharge
Certificates	CE, FCC, KC, TELEC, RoHS, EAC ANATEL, NOM,

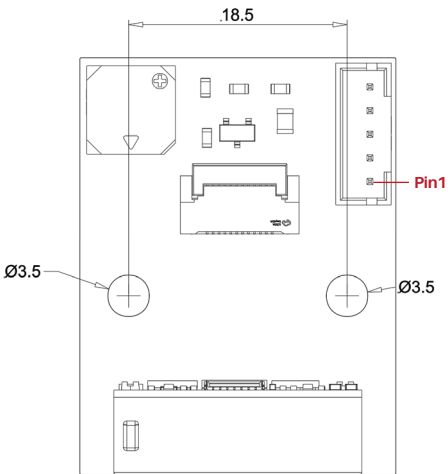
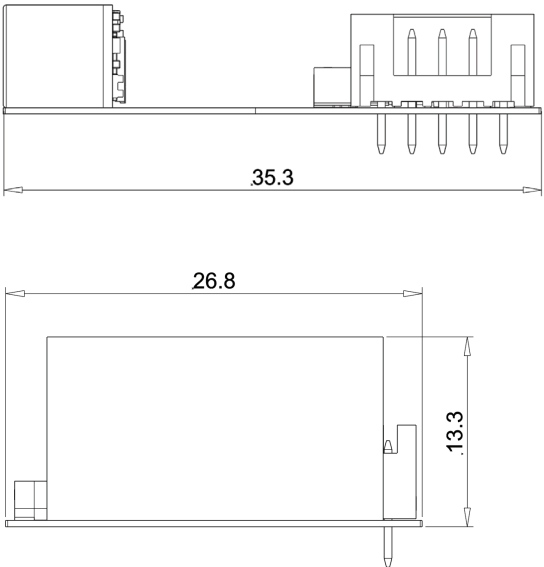
PRODUCT SPEC SHEET

Smart Scan Module GMA3527-C

DECODE RANGES

5 mil Code 128	30.5 - 195.6MM
5 mil Code 39	30.5 - 317.5 MM
7.5 mil Code 39	27.9 - 469.9MM
10 mil Code128	30.5 - 482.6 MM
100% UPC-A	40.6 - 685.8 MM
15 mil Code 128	25.4 - 749.3MM
20 mil Code 39	35.6 - 1320.8 MM
55 mil Code 39	86.4 - 2540.0 MM
100 mil Code 39	609.9 - 5181.6 MM

DIMENSIONS



PIN	Definition	I/O	Description
1	GND	-	Power Ground
2	+3.3V	-	Power
3	TXD	O	Transmit
4	RXD	I	Receive
5	TR	I	Trigger key input

GENERALSCAN

+1 732 391 7747 ☎  
+90 542 478 5873 📞  
+1 732 391 7747  
sales@generalscan.cloud ✉

Generalscan Inc.  
Generalscan LLC  
Generalscan Electronics GmbH