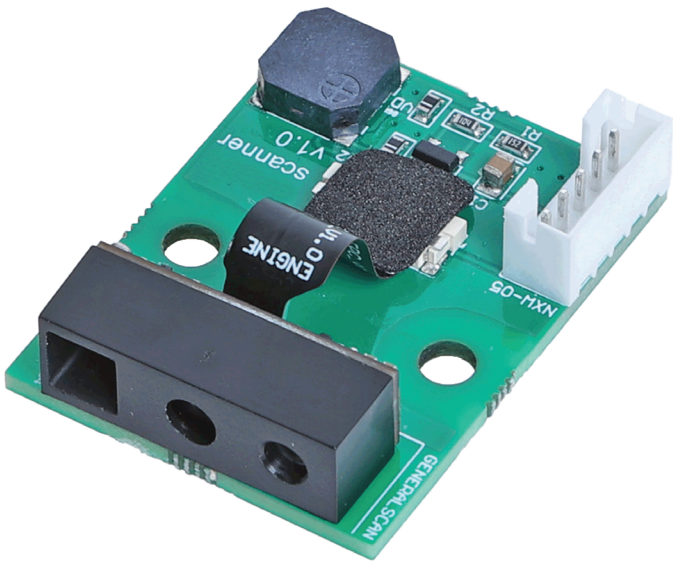


GMA3527-A Smart Scan Module

The GMA3527-A is more than just an affordable barcode scanning module - it's a strategic investment for organizations aiming to enhance efficiency and reduce operational costs. This model strikes a perfect balance between price, performance, durability, and ease of integration. Designed to perform in demanding environments, the GMA3527-A delivers reliable results day in and day out. Its plug-and-play design ensures fast deployment, while its low power consumption makes it ideal for battery-powered devices. Whether you're in retail, healthcare, logistics, or manufacturing, the GMA3527-A helps streamline workflows without overextending your budget.

FEATURES

- Global Shutter Sensor**
Global shutter ensures that all pixels are exposed simultaneously, making it ideal especially for scanning moving items.
- Best-in-Class Working Range**
Wide working range reduces movement and repetitive actions, increasing picking efficiency by up to 25% and reducing worker fatigue by up to 40%.
- Super Low Power Consumption**
A 600mAh battery supports the GMA3527-A for up to 23.75 hours of continuous operation on a single charge.



PERFORMANCE CHARACTERISTICS

Imager Sensor	CMOS
Optical Resolution	640*480 pixels
Illumination	White LED
Aiming	Red LED
Readability	≥3mil (1D)
Field of View	Horizontal 43°, Virtual 32°
Screw, Pitch, Roll	Skew tolerance: ±55° from normal Pitch tolerance: ±55° from normal Roll tolerance: 360° from normal
Supported Symbolologies	1D: Code128(ISBT 128, AIM128, GS1 128), EAN-8, EAN-13, UPC-E, UPC-A, Codabar, ISBN, ISSN, Code11, Interleaved 2 of 5, Code39, Code32, Code93, Matrix 2 of 5, Industrial 2 of 5, IATA25, MSI Plessey, GS1 Databar, Plessey, Febraban, Composite 2D: Aztec, QR Code, Micro QR Code, Datamatrix, PDF417, Micro PDF417, Maxicode, DotCode, Hanxin Code, Composite

PHYSICAL PARAMETER

Dimension	35.3 x 26.8 x 8.6mm
Weight	5.2g
Operation Voltage	3.3V
Operation Current	160mA
Standby Current	22mA(UART), 11mA(USB)
Interfaces	Serial port

USER ENVIRONMENT

Ambient Light	0 - 100,000 Lux.
Operating Temperature	-20°C~55°C
Storage Temperature	-40°C~70°C
Humidity	5%~95% non-condensing

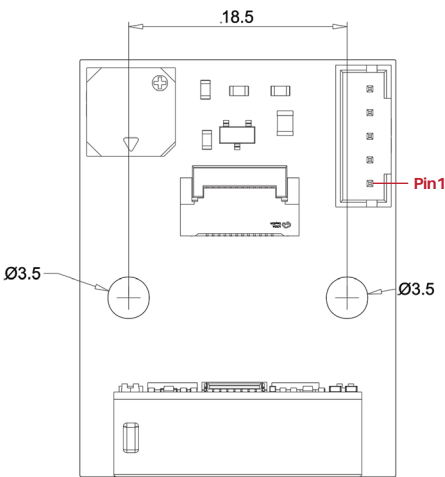
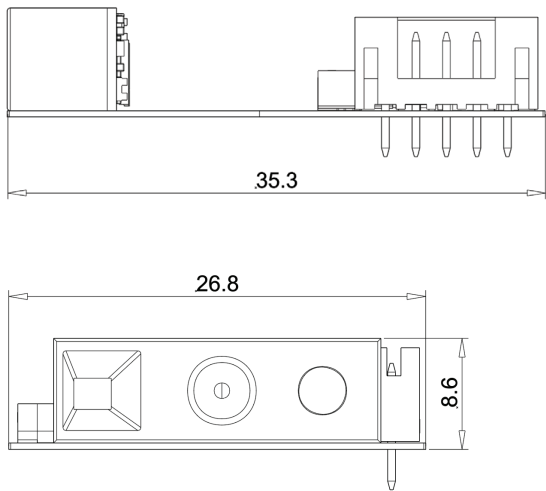
PRODUCT SPEC SHEET

Smart Scan Module GMA3527-A

DECODE RANGE

5mil Code39	50 - 120MM
6.67mil PDF417	55 - 140MM
10mil Data Matrix	40 - 145MM
13mil EAN-13	50 - 330MM
13mil Code128	50 - 340MM
15mil QR Code	30 - 215MM

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

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