



MT84G 2D Mini Scan Engine

MT84G 2D Mini Scan Engine that is designed to fit into the most space-constrained applications including mobile device, wearable device and smartphone. With 3.3V low voltage power supply and power consumption of a few micro amps during sleep mode, MT84G barcode scan engine is also ideal for host device with limited battery.

Simple Integration for Limited Space

- The smallest and lightest 2D scan engine
- Reads all major 1D & 2D barcodes in the market
- Fit into the most space-constrained products
- Supports real-time dynamic configuration

Easy and Flexible Operations

- Small Size : W14 x L9.5 x H9.3 mm
- Interface : UART / USB HID / USB VCP



Optic & Performance	
Light Source	Visible red LED, white LED
Sensor	640 x 480
Resolution	5Mil / 0.125mm (1D) ; 10Mil/ 0.25mm (2D)
Scan Angle	Horizontal: 37° Vertical: 27.5°
Pitch / Skew / Roll Angle	±60° / ±60° / ±360°
Print Contrast Ratio	25%
Width of Field	141 mm (13 Mil Code 39)
Typical D.O.F (@800 lux)	UPC / EAN 13 Mil: 48 ~ 310 mm QR Code 15 Mil : 27 ~ 222 mm
Physical Characteristics	
Dimension	W14 x L9.5 x H9.3 mm
Weight	1.2 g
Color	Black
Material	PC
Connector	Edge-board Contact x 10 pads
Electrical	
Operation Voltage	3.15±0.15 VDC
Working Current	< 156 mA
Standby Current	< 85 mA
Idle Current (Sleep Mode)	< 1.5 mA
Connectivity	
Interface/ Profile	UART / USB HID / USB VCP
User Environment	
Operating Temperature	-20°C ~ 60°C
Storage Temperature	-40°C ~ 70°C
Humidity	0%~95% RH (Non-condensing)
Ambient Light	100,000 Lux (Sunlight)
Regulatory	
ESD	Functional after 4KV contact, 8KV Air discharge
EMC	FCC Part 15B Class B, CE EN55032/35
Safety Approval	IEC 62471 (Exempt Group)
Environmental	RoHS 2.0, WEEE
Symbologies	
1D	UPC-A/ UPC-E0/ UPC-E1, EAN-8/ EAN-13, Code128, Code39, Code93, Codabar, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Standard 2 of 5, China Post 25, Code11, MSI Plessey, Plessey, GS1 Databar, GS1 Databar Limited, GS1 Databar Expanded
2D	QR Code, Micro QR Code, PDF417, MicroPDF417, Data Matrix, Aztec, MaxiCode, Han Xin, Code16K

* All specifications are subject to change without notice.



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