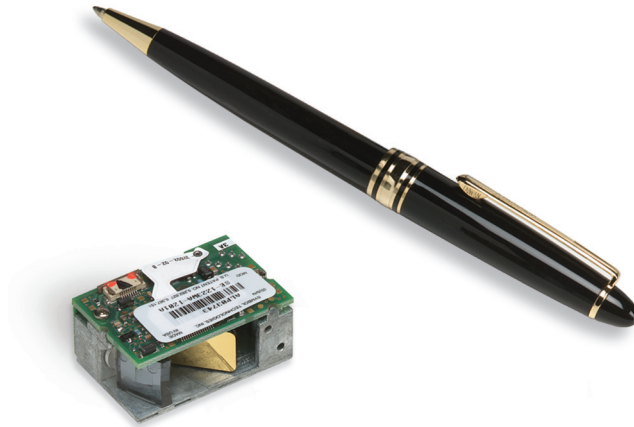




Symbol SE1200VHD

OEM Scan Engines



FEATURES

Reads printed symbols with the narrowest element widths—between 3 and 5 mil

Enables high density scanning capability to be added to a variety of OEM devices

Symbol SE1200VHD Scan Engine's working range handles medium and low-density codes

Highest scanning performance across varying levels of density brings flexibility to your OEM design

Compact, ergonomic design measures just 1.15 cubic inch

Easily integrates into handheld or fixed mount OEM devices, including those used in circuit board manufacturing, small-item retail and pharmaceutical marking

Outstanding scanning performance on high-density bar codes

The high-performance Symbol SE1200VHD Very High Density Scan Engine brings the benefits of bar code laser scanning to a variety of OEM devices. Now handheld computers, medical instruments, diagnostic equipment, lottery terminals, vending machines, robotics and countless other appliances can all be equipped with the leading-edge scanning technology and reliability that is available only from Motorola. The entire Symbol SE1200 Scan Engine Series — including the Very High Density, Long Range, High Performance and Wide Angle models — has been designed to provide the highest scanning performance in the smallest package possible. For added versatility, each engine is identical in size, allowing for fast, cost-effective interchangeability when upgrading or modifying your OEM device for specialized applications.

Reads narrow element widths with reliability

The Symbol SE1200VHD Very High Density Scan Engine reads printed symbols with element widths as narrow as 3 to 5 mil. In fact, the Symbol SE1200VHD is so accurate it even delivers

reliable scanning performance on symbols as small as 2 mil. Measuring just 1.15 cubic inch, the Symbol SE1200VHD's compact, ergonomic design makes it easy to integrate scanning into your handheld or fixed mount OEM devices. The Symbol SE1200VHD is a great fit for circuit board manufacturing, small-item retail and pharmaceutical marking applications. Optimized for high-density symbols, it reads medium — and low-density bar codes as well — bringing even more flexibility to your OEM design.

Proven technology to enhance your solutions

With millions of installations worldwide, our OEM devices are proven to deliver high reliability and superior performance, ensuring the accurate and quick capture of data and images in your mission-critical applications and devices. In addition, an easy-to-integrate design and expert assistance from our world-class OEM support team enable you to bring your systems to market quickly and cost effectively. For more information about our scan engines access our global contact directory at www.symbol.com/contact or visit us on the web at www.symbol.com/oem

SPECIFICATION SHEET

SYMBOL SE1200VHD
OEM scan engines

Symbol SE1200VHD Specifications

Physical Characteristics		User Environment	
Dimensions (max.):	.76H x 1.51W x 1.0D(in) 19.3H x 38.35W x 25.4D (mm)	Ambient Light:	Artificial: 450 ft. candles (4,844 Lux) Sunlight: 8,000 ft. candles (86,112 Lux)
Weight:	1.19 oz / 34 g	Operating Temp.:	32° to 104° F (0° to 40° C)
Configuration:	undecoded	Storage Temp.:	-40° to 140° F (-40° to 60° C)
Interface:	DPB on a 8 pin ZIF connector	Humidity:	5% to 95% non-condensing
Performance Characteristics		Power:	Input Voltage: 5 VDC ± 10% Scan Current: 60 mA typical Standby Current: 50 µA max.
Light Source:	Visible Laser Diode 670 nm	Shock Rating:	2,000 G
Scan Rate:	35 (± 5) scans/sec (bi-directional)	Regulatory	
Scan Angle:	37° ± 2°	Laser Classification:	Intended for use in CDRH Class II and IEC Class 2 devices
Scan Patterns:	Linear	Electrical Safety:	UL, VDE, and CUL recognized component laser
Minimum Print Contrast:	Minimum 40% absolute dark/light reflectance measured at 670 nm	Environmental:	RoHS compliant
Ranges - 1D codes:	2 mil: Code 39; 2.5:1 - 80% MRD: 1.9 - 2.5 (in) / 4.82 - 6.35 (cm) 2.5 mil: Code 39; 2.5:1 - 80% MRD: 1.7 - 3.3 (in) / 4.32 - 8.38 (cm) 3 mil: Code 39; 2.5:1 - 80% MRD: 1.7 - 4.5 (in) / 4.32 - 11.43 (cm) 4 mil: Code 39; 2.5:1 - 85% MRD: 1.7 - 6.5 (in) / 4.32 - 16.51 (cm) 5 mil: Code 39; 2.5:1 - 80% MRD: 1.7 - 7.0 (in) / 4.32 - 17.78 (cm) 7.5 mil: Code 39; 2.5:1 - 80% MRD: 1.5 - 7.5 (in) / 3.81 - 19.05 (cm) 13 mil: 100% UPC - 80% MRD: 2.5 - 8.5 (in) / 6.35 - 21.59 (cm)		



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