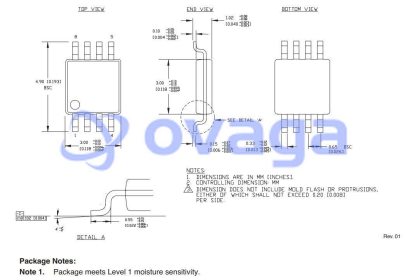


Buffers & Line Drivers 5V/3.3V Differential Receiver (I Temp, Green)

| | |
|---------------|---|
| Manufacturers | Microchip Technology, Inc |
| Package/Case | MSOP-8 |
| Product Type | Logic ICs |
| RoHS | Rohs |
| Lifecycle | |



Images are for reference only

Please submit RFQ for SY100EL16VKG or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The SY100EL16V is a differential receiver. With fast output transition times, the SY100EL16V is ideally suited for interfacing with high-frequency sources. The SY100EL16V provides a VBB output for either single-ended use or as a DC bias for AC coupling to the device. The VBB pin should be used only as a bias for the SY100EL16V as its current sink/source capability is limited. Whenever used, the VBB pin should be bypassed to ground via a 0.01µF capacitor. Under open input conditions (pulled to VEE), internal input clamps will force the Q output LOW.

Features

3.3V and 5V power supply options

250ps propagation delay

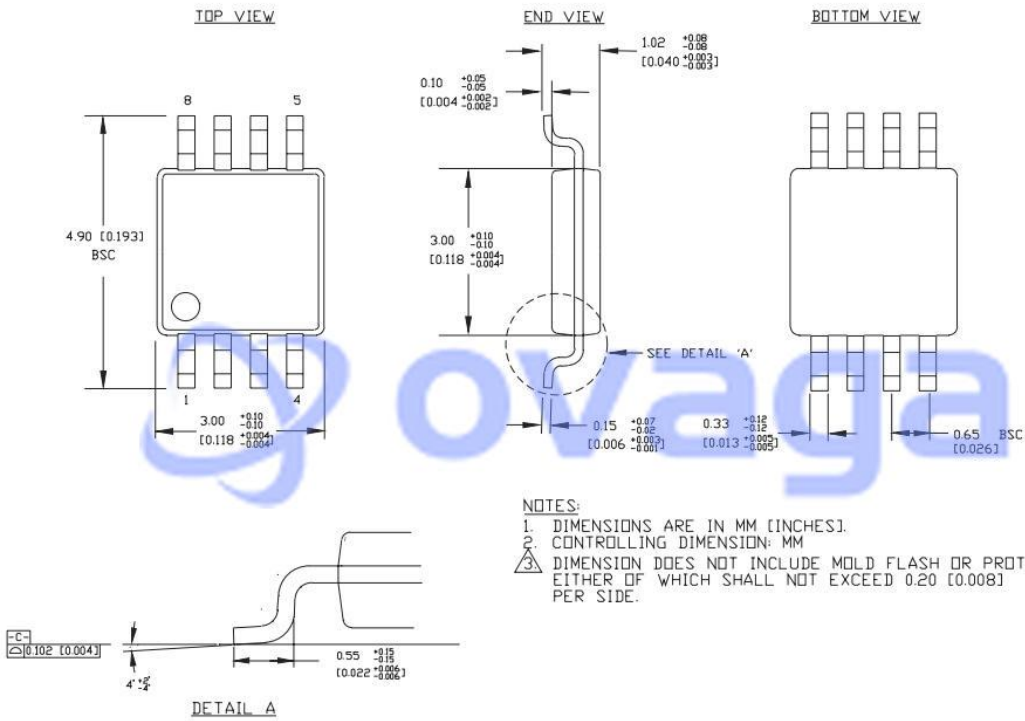
High bandwidth output transitions

Internal 75KΩ input pull-down resistors

Replaces SY10/100EL16

Improved output waveform characteristics

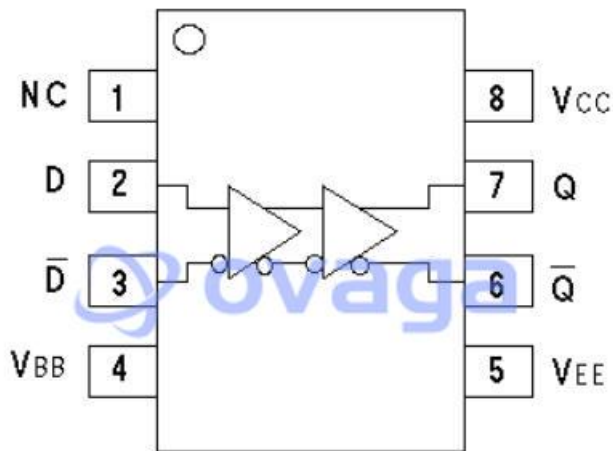
Available in 8-pin (3mm x 3mm) MSOP and SOIC package



Rev. 01

Package Notes:

Note 1. Package meets Level 1 moisture sensitivity.



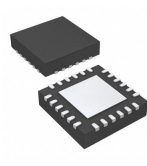
8-Pin MSOP (K8-1)
8-Pin SOIC (Z8-1)

Related Products



[SY55852UKG](#)

Microchip Technology, Inc
MSOP-10



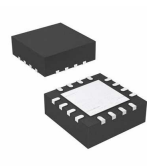
[SY89474UMG](#)

Microchip Technology, Inc
VQFN-24



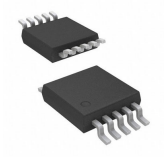
[SY100ELT23ZG](#)

Microchip Technology, Inc
SOIC-8



[SY58051AUMG-TR](#)

Microchip Technology, Inc
VQFN-16



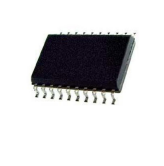
[SY55852UKG-TR](#)

Microchip Technology, Inc
10-TFSOP, 10-MSOP (0.118, 3.00mm Width)



[SY55851AUKG-TR](#)

Microchip Technology, Inc
10-TFSOP, 10-MSOP (0.118, 3.00mm Width)



[SY100EL29VZG-TR](#)

Microchip Technology, Inc
SOIC-20



[SY10EP05VZG-TR](#)

Microchip Technology, Inc
SOIC-8