

# iC-HG/HG30 iCSY HG8M

## HIGH-SPEED MODULE



Rev A6, Page 1/3



### FUNCTIONAL MODEL; EVAL-BOARD:

This device is for laboratory use only. Due to limited testing and lack of qualification for use under all conditions, long-term performance is not guaranteed. Malfunctions and operating errors may damage the device and the connected circuit; such damage may result in personal injury to the user. Safety goggles are mandatory. All liability and option of return are terminated upon activation of the device.

### ORDERING INFORMATION

| Type    | Package | Options | Order Designation |
|---------|---------|---------|-------------------|
| iC-HG   | HG8M    | -       | iC-HG iCSY HG8M   |
| iC-HG30 | HG8M    | -       | iC-HG30 iCSY HG8M |

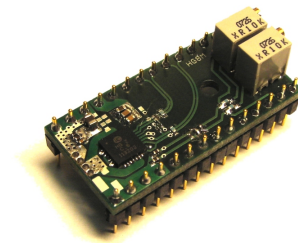


Figure 1: HG8M Package (DIL28)

### PIN CONFIGURATION

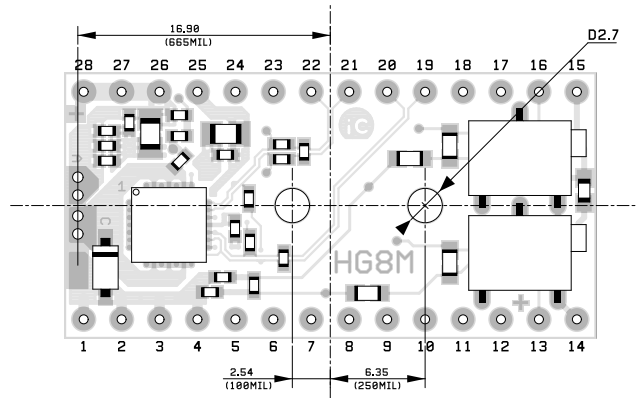


Figure 2: Top view / Dimensions in mm

| No | Name   | Function                   | No | Name   | Function                   |
|----|--------|----------------------------|----|--------|----------------------------|
| 1  | GND    | Ground, Analog Ground      | 15 | POTVDD | Potentiometer 12 36 VDD    |
| 2  | GND    | Ground, Analog Ground      | 16 | RCI12  | Current Control Voltage 12 |
| 3  | GND    | Ground, Analog Ground      | 17 | POTGND | Potentiometer 12 36 GND    |
| 4  | GND    | Ground, Analog Ground      | 18 | POTGND | Potentiometer 12 36 GND    |
| 5  | nc     | not connected              | 19 | EN46   | Input Channel 4 + 6        |
| 6  | nc     | not connected              | 20 | EN35   | Input Channel 3 + 5        |
| 7  | nc     | not connected              | 21 | EN2    | Input Channel 2            |
| 8  | nc     | not connected              | 22 | EN1    | Input Channel 1            |
| 9  | nc     | not connected              | 23 | ELVDS  | TTL/LVDS Input Selector    |
| 10 | nc     | not connected              | 24 | NER    | Error Monitor Output       |
| 11 | nc     | not connected              | 25 | VDD    | Supply Voltage             |
| 12 | nc     | not connected              | 26 | LDA    | Anode Laser Diode          |
| 13 | RCI36  | Current Control Voltage 36 | 27 | LDA    | Anode Laser Diode          |
| 14 | POTVDD | Potentiometer 12 36 VDD    | 28 | LDA    | Anode Laser Diode          |

**SMT POSITIONS**

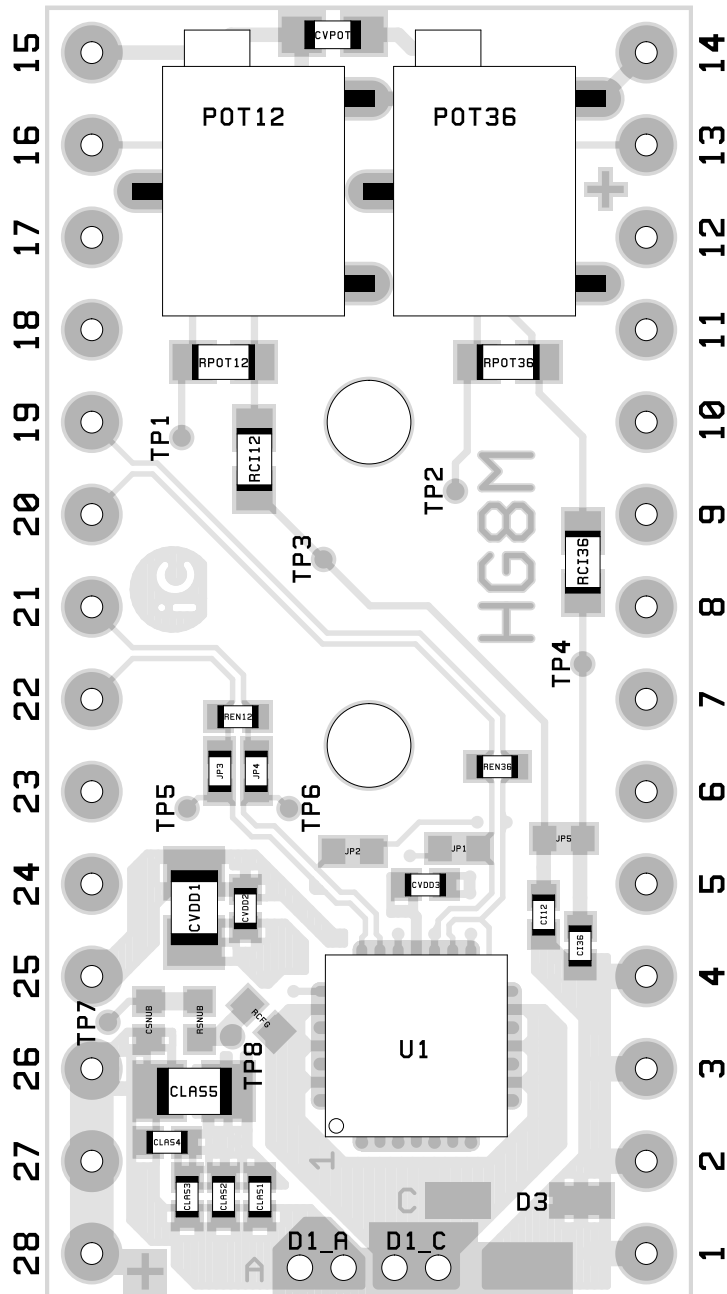


Figure 3: SMT Positions

**NOTE:** Module must be baked before exposing to high temperature processes (e.g. reflow soldering) to avoid delamination, PCB/VIA damages and popcorning (min 24 h at 100 °C).

