

iC-HN iCSY HN1M
HIGH-SPEED MODULE

preliminary

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ORDERING INFORMATION

Type	Package	Options	Order Designation
iC-HN	HN1M (DIL28)	-	iC-HN iCSY HN1M

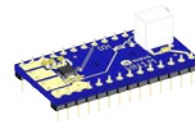


Figure 1: HN1M Package (DIL28)

PIN CONFIGURATION

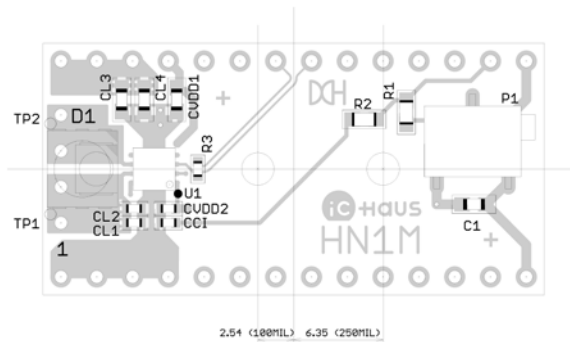


Figure 2: Top view / Dimensions in mm

No	Name	Function	No	Name	Function
1	GND	Ground, Analog Ground	15	VCI	Current control voltage Potentiometer
2	GND	Ground, Analog Ground	16	CI	Current control voltage
3	GND	Ground, Analog Ground	17	GND	GND Potentiometer
4	GND	Ground, Analog Ground	18	GND	GND Potentiometer
5	nc	not connected	19	nc	not connected
6	nc	not connected	20	nc	not connected
7	nc	not connected	21	EP	Positive LVDS switch input
8	nc	not connected	22	EN	Negative LVDS switch input
9	nc	not connected	23	nc	not connected
10	nc	not connected	24	nc	not connected
11	nc	not connected	25	VDD	Supply Voltage
12	nc	not connected	26	VLDA	Laser Supply Voltage
13	nc	not connected	27	VLDA	Laser Supply Voltage
14	VCI	Current control voltage Potentiometer	28	VLDA	Laser Supply Voltage

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SMT POSITIONS

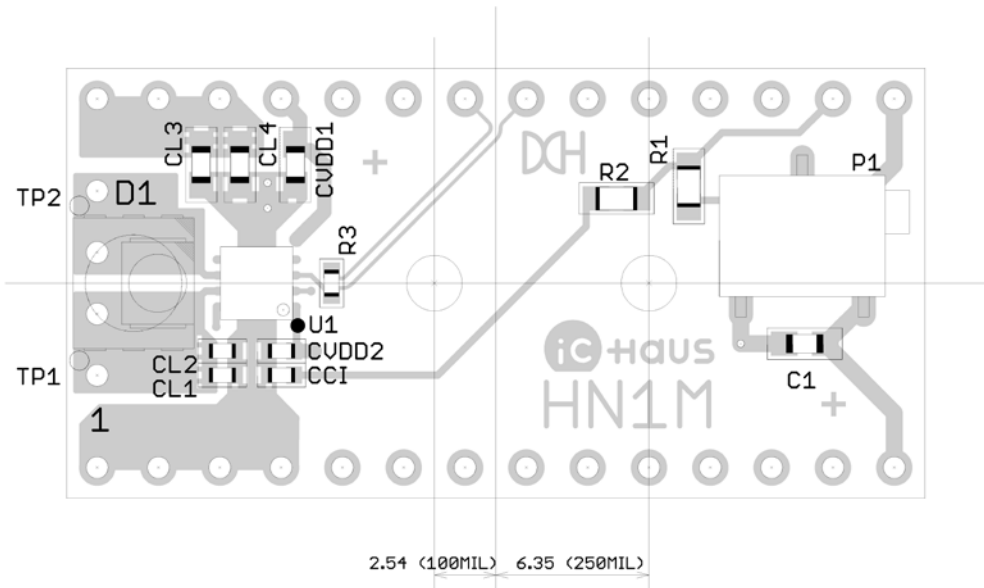


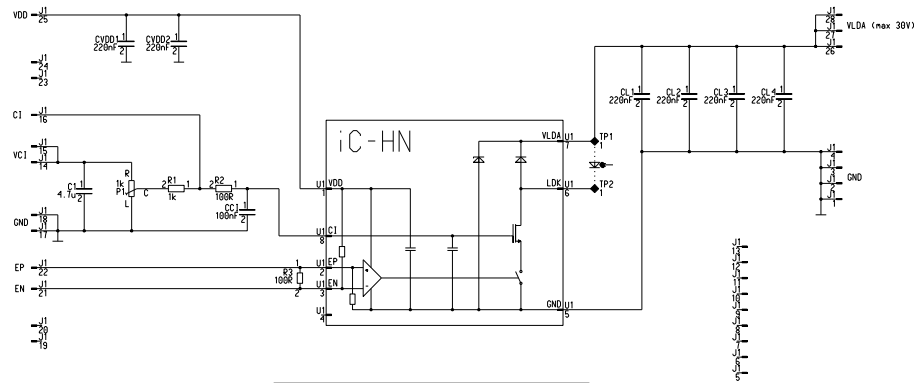
Figure 3: SMT Positions

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SCHEMATICS



PROJECT	BLOCK	REV	TITLE												
HN1M	0	0	1.4A Laserdriver												
DESIGN: scb_hn1m_0/design/hn1m/0_0/scb_design_vpl															
<table border="1"> <thead> <tr> <th>SHEET</th> <th>#</th> <th>VER</th> <th>DATE</th> <th>EDIT</th> <th>VIS</th> </tr> </thead> <tbody> <tr> <td>sheet1</td> <td>1/11</td> <td>1</td> <td>06.04.2011</td> <td>sch</td> <td>PCB</td> </tr> </tbody> </table>				SHEET	#	VER	DATE	EDIT	VIS	sheet1	1/11	1	06.04.2011	sch	PCB
SHEET	#	VER	DATE	EDIT	VIS										
sheet1	1/11	1	06.04.2011	sch	PCB										

Figure 4: Circuit diagram

ABSOLUTE MAXIMUM RATINGS

Item No.	Symbol	Parameter	Conditions	Min.	Typ.	Max.	Unit
				-20		85	
TG1	Ta	Operating Ambient Temperature Range		-20		85	°C
TG2	Ts	Storage Temperature Range		-20		85	°C

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