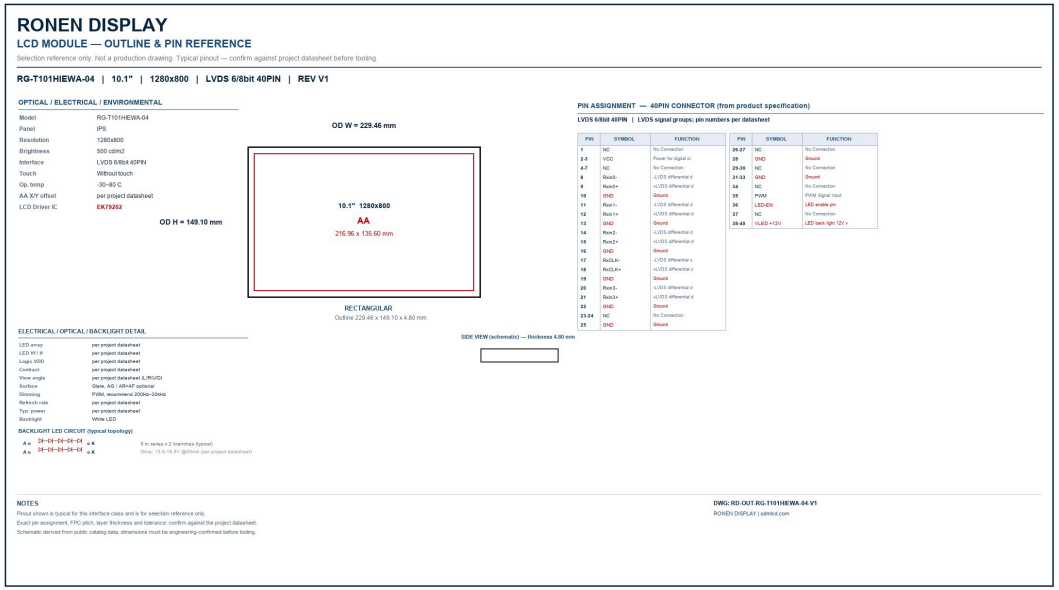
RONEN DISPLAY

LCD Module Datasheet

RG-T101HIEWA-04

SPECIFICATION

Display Size	10.1 inch
Resolution	1280x800
LCD Type / Shape	IPS
Luminance	500 cd/m2
Module Interface	LVDS 6/8bit 40PIN
Touch Option	Without touch
Active Area (mm)	216.96x135.60
Outline Dim. (mm)	229.46x149.10x4.80
Operating Temp. (°C)	-30 ~ +80 degC
Storage Temp. (°C)	-30 ~ +80 degC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LCD MODULE — OUTLINE & PIN REFERENCE

Selection reference only. Not a production drawing. Typical pinout — confirm against project datasheet before tooling.

RG-T101HIEWA-04 | 10.1" | 1280x800 | LVDS 6/8bit 40PIN | REV V1

OPTICAL / ELECTRICAL / ENVIRONMENTAL

Model	RG-T101HIEWA-04
Panel	IPS
Resolution	1280x800
Brightness	500 cd/m2
Interface	LVDS 6/8bit 40PIN
Touch	Without touch
Op. temp	-30~80 C
AA X/Y offset	per project datasheet
LCD Driver IC	EK79282

OD W = 229.46 mm

10.1" 1280x800

AA

216.96 x 135.60 mm

OD H = 149.10 mm

RECTANGULAR

Outline 229.46 x 149.10 x 4.80 mm

SIDE VIEW (schematic) — thickness 4.80 mm

ELECTRICAL / OPTICAL / BACKLIGHT DETAIL

LED array	per project datasheet
LED Vf / If	per project datasheet
Logic VDD	per project datasheet
Contrast	per project datasheet
View angle	per project datasheet (L/R/U/D)
Surface	Glare, AG / AR+AF optional
Dimming	PWM, recommend 200Hz–20kHz
Refresh rate	per project datasheet
Typ. power	per project datasheet
Backlight	White LED

BACKLIGHT LED CIRCUIT (typical topology)

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8 in series x 2 branches (typical)

Drive: 19.5–38.5V @50mA (per project datasheet)

PIN ASSIGNMENT — 40PIN CONNECTOR (from product specification)

LVDS 6/8bit 40PIN | LVDS signal groups; pin numbers per datasheet

PIN	SYMBOL	FUNCTION
1	NC	No Connection
2-3	VCC	Power for digital ci
4-7	NC	No Connection
8	RxIn0-	-LVDS differential d
9	RxIn0+	+LVDS differential d
10	GND	Ground
11	RxIn1-	-LVDS differential d
12	RxIn1+	+LVDS differential d
13	GND	Ground
14	RxIn2-	-LVDS differential d
15	RxIn2+	+LVDS differential d
16	GND	Ground
17	RxCLK-	-LVDS differential c
18	RxCLK+	+LVDS differential c
19	GND	Ground
20	RxIn3-	-LVDS differential d
21	RxIn3+	+LVDS differential d
22	GND	Ground
23-24	NC	No Connection
25	GND	Ground
26-27	NC	No Connection
28	GND	Ground
29-30	NC	No Connection
31-33	GND	Ground
34	NC	No Connection
35	PWM	PWM Signal Input
36	LED-EN	LED enable pin
37	NC	No Connection
38-40	VLED +12V	LED back light 12V +

NOTES

Pinout shown is typical for this interface class and is for selection reference only.

Exact pin assignment, FPC pitch, layer thickness and tolerance: confirm against the project datasheet.

Schematic derived from public catalog data; dimensions must be engineering-confirmed before tooling.

DWG: RD-OUT-RG-T101HIEWA-04-V1

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Outline drawing - for reference only; confirm with latest datasheet.

Notes

Values are typical at 25 degC unless otherwise specified. Full drawing, pin assignment and qualification data available on request. Sales terms are confirmed per project.

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