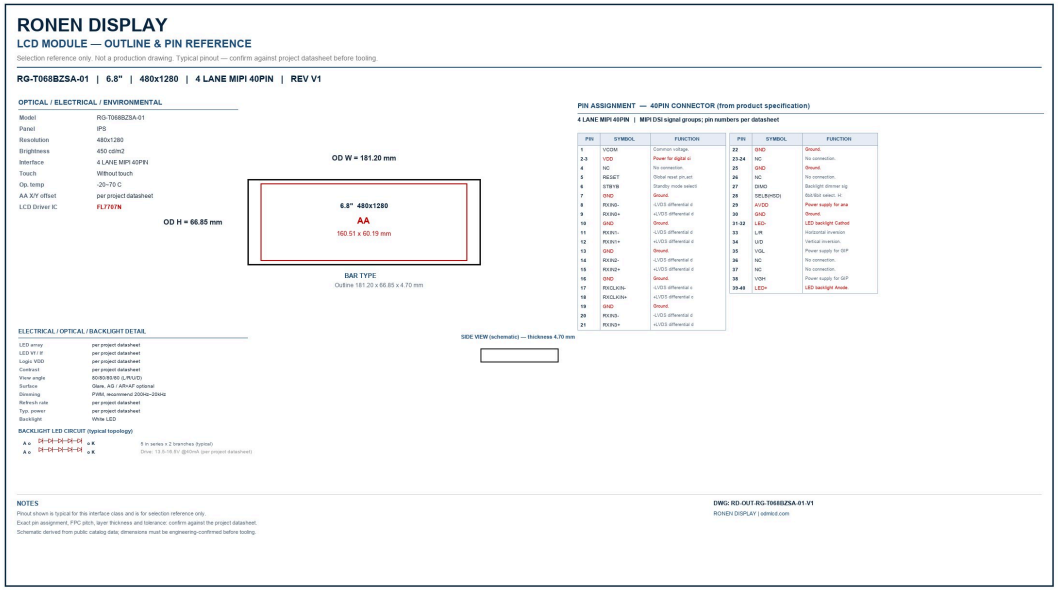
RONEN DISPLAY

LCD Module Datasheet

RG-T068BZSA-01

SPECIFICATION

Display Size	6.8 inch
Resolution	480x1280
LCD Type / Shape	IPS Bar
Luminance	450 cd/m2
Module Interface	4 LANE MIPI 40PIN
Touch Option	Without touch
Active Area (mm)	160.51x60.19
Outline Dim. (mm)	181.20x66.85x4.70
Operating Temp. (°C)	-20 ~ +70 degC
Storage Temp. (°C)	-30 ~ +80 degC


RONEN DISPLAY
LCD MODULE — OUTLINE & PIN REFERENCE
Selection reference only. Not a production drawing. Typical pinout — confirm against project datasheet before tooling.
RG-T068BZSA-01 | 6.8" | 480x1280 | 4 LANE MIPI 40PIN | REV V1
OPTICAL / ELECTRICAL / ENVIRONMENTAL
Model RG-T068BZSA-01
Panel IPS
Resolution 480x1280
Brightness 450 cd/m2
Interface 4 LANE MIPI 40PIN
Touch Without touch
Op. temp -20~70 C
AA X/Y offset per project datasheet
LCD Driver IC FL7707N
OD W = 181.20 mm
OD H = 66.85 mm
6.8" 480x1280
AA
160.51 x 60.19 mm
BAR TYPE
Outline 181.20 x 66.85 x 4.70 mm
SIDE VIEW (schematic) — thickness 4.70 mm
PIN ASSIGNMENT — 40PIN CONNECTOR (from product specification)
4 LANE MIPI 40PIN | MIPI DSI signal groups; pin numbers per datasheet
PIN SYMBOL FUNCTION
1 VCOM Common voltage
2-3 VDD Power for digital ci
4 NC No connection
5 RESET Global reset pin,act
6 STBYB Standby mode select
7 GND Ground
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 RXCLKIN- -LVDS differential c
18 RXCLKIN+ +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 NC No connection
27 DIMO Backlight dimmer sig
28 SELB(MISO) 6bit/8bit select. H:
29 AVDD Power supply for ana
30 GND Ground
31-32 LED- LED backlight Cathod
33 L/R Horizontal inversion
34 U/D Vertical inversion
35 VGL Power supply for GIP
36 NC No connection
37 NC No connection
38 VGH Power supply for GIP
39-40 LED+ LED backlight Anode
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 60/80/80/80 (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)
A o- -|H-|H-|H-|H-|H-|H-|H-|H- -o K
A o- -|H-|H-|H-|H-|H-|H-|H-|H- -o K
8 in series x 2 branches (typical)
Drive: 19.5-38.5V @20mA (per project datasheet)
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-T068BZSA-01-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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