Specification for Approval

PROJECT PN: **P22202**
PRODUCT NUMBER: **RTD9922202000**
PRODUCT DESCRIPTION: **RGC13128096FH004**

CUSTOMER
APPROVED BY
DATE:

first FC components

RITDISPLAY CORP. APPROVED
Represented by: first FC components FIRST Components s.r.l. Via Cavour, 69 21020 Buguggiate (VA) Italy Tel: +39 0332 1888005 Web: www.first.components.com

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1. SCOPE

The purpose of this specification is to define the general provisions and quality requirements that apply to the supply of display cells manufactured by RiTdisplay. This document, together with the Module Ass'y Drawing, is the highest-level specification for this product. It describes the product, identifies supporting documents and contains specifications.

2. WARRANTY

RiTdisplay warrants that the products delivered pursuant to this specification (or order) will conform to the agreed specifications for twelve (12) months from the shipping date ("Warranty Period"). RiTdisplay is obligated to repair or replace the products which are found to be defective or inconsistent with the specifications during the Warranty Period without charge, on condition that the products are stored in the original packages at 25°C±5°C, 55%±10%RH or used as the conditions specified in the specifications.
Nevertheless, RiTdisplay is not obligated to repair or replace the products without charge if the defects or inconsistency are caused by the force majeure or the reckless behaviors of the customer.
After the Warranty Period, all repairs or replacements of the products are subject to charge.

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3. FEATURES

- Small molecular organic light emitting diode.
- Color : 262K color and 65K colors
- Panel matrix : 128x96
- Driver IC : SSD1351UR1
- Excellent quick response time.
- Extremely thin thickness for best mechanism design : 1.21mm
- High contrast : 10,000:1
- Wide viewing angle : 160°
- 8 bits 6800-series parallel interface, 8 bits 8080-series parallel interface, Serial Peripheral Interface.
- Wide range of operating temperature : -40 to 70 °C
- Anti-glare polarizer.

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4. MECHANICAL DATA

NO	ITEM	SPECIFICATION	UNIT
1	Dot Matrix	128 (W) x 96 (H)	dot
2	Dot Size	0.0435 (W) x 0.1855 (H)	mm^2
3	Dot Pitch	0.0685 (W) x 0.2055 (H)	mm^2
4	Aperture Rate	57	%
5	Active Area	26.279 (W) x 19.708 (H)	mm^2
6	Panel Size	33 (W) x 25.8 (H)	mm^2
7*	Panel Thickness	1.02 ± 0.1	mm
8	Module Size	33 (W) x 46.8 (H) x 1.21 (D)	mm^3
9	Diagonal A/A size	1.29	inch
10	Module Weight	2.3 ± 10%	gram

* Panel thickness includes substrate glass, cover glass and UV glue thickness.

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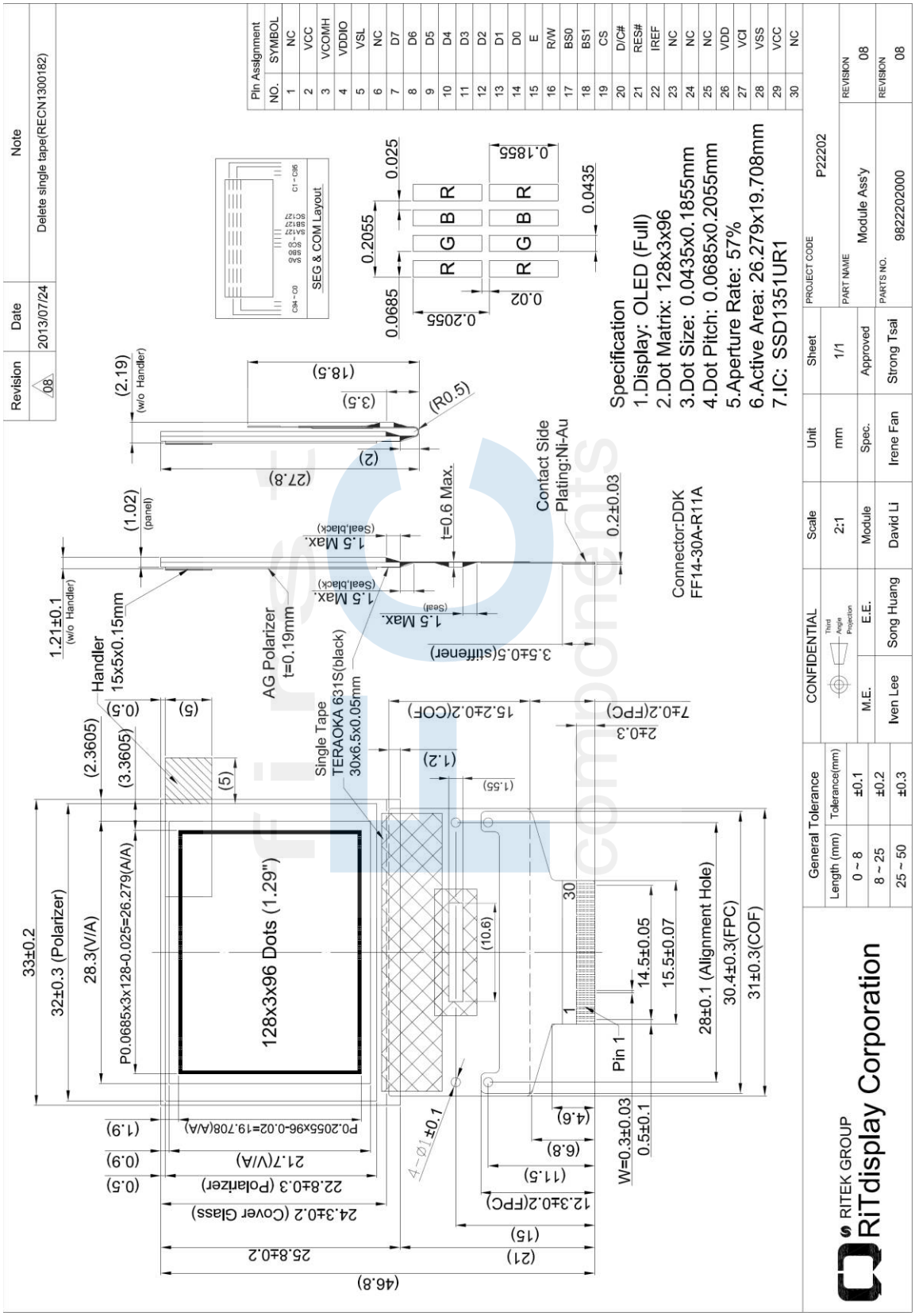
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8.3 PIN ASSIGNMENTS

PIN NAME	PIN NO	DESCRIPTION
NC	1	No connection.
VCC	2	Power supply for panel driving voltage.
VCOMH	3	COM signal deselected voltage level. A capacitor should be connected between this pin an VSS.
VDDIO	4	Power supply for interface logic level.
VSL	5	This is segment voltage reference pin.
NC	6	No connection.
D7	7	These pins are bi-directional data bus connecting to the MCU data bus.
D6	8	
D5	9	
D4	10	
D3	11	
D2	12	
D1	13	
D0	14	
E	15	8080: data read enable pin; 6800:Read/Write enable pin.
R/W	16	8080: data write enable pin; 6800:Read/Write select pin.
BS0	17	Interface select pin.
BS1	18	Interface select pin.
CS	19	Chip select pin.
D/C#	20	H: Data, L: Command.
RES#	21	Hardware Reset pin (Low active).
IREF	22	A resistor should be connected between this pin and VSS.
NC	23	No connection.
NC	24	No connection.
NC	25	No connection.
VDD	26	Power supply pin for core logic operation.
VCI	27	Digital voltage power supply.
VSS	28	Ground.
VCC	29	Power supply for panel driving voltage.
NC	30	No connection.

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11. EXTERNAL DIMENSION



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