

RVT7.0A800480TFWN00

LCD TFT Datasheet

Rev.1.3 2015-03-02

| ITEM | CONTENTS | UNIT |
|--------------------------------|---------------------------------|-------------------|
| LCD Type | TFT/Transmissive/Normally white | / |
| Size | 7.0 | Inch |
| Viewing Direction | 12:00 (without image inversion) | O' Clock |
| Gray Scale Inversion Direction | 6:00 | O' Clock |
| LCM (W \times H \times D) | 165.60 ×100.6 × 6.03 | mm ³ |
| Active Area (W × H) | 154.08 × 85.92 | mm ² |
| Dot Pitch (W × H) | 0.1926 × 0.179 | mm ² |
| Number Of Dots | 800 (RGB) × 480 | / |
| Driver IC | HX8264+HX8664 | / |
| Backlight Type | 21 LEDs | / |
| Surface Luminance | 400 | cd/m ² |
| Interface Type | 24bit RGB | / |
| Color Depth | 16.7M | / |
| Pixel Arrangement | RGB Vertical Stripe | / |
| Surface Treatment | Anti-glare | |
| Input Voltage | 3.3 | V |
| With/Without TSP | Without Touch Panel | / |
| Weight | 193 | g |

Note 1: RoHS compliant

Note 2: LCM weight tolerance: ± 5%.



REVISION RECORD

| REVNO. | REVDATE | CONTENTS | REMARKS |
|--------|------------|--|---------|
| 1.0 | 2014-10-15 | Initial Release | |
| 1.1 | 2014-10-29 | Add additional information on mechanical drawing | |
| 1.2 | 2015-01-19 | Update LED lifetime | |
| 1.3 | 2015-03-02 | Update Weight | |
| | | | |

CONTENTS

| REV | ISIC | DN RECORD |
|-----|------|-------------------------------------|
| CON | ITE | NTS |
| 1. | М | ODULE CLASSIFICATION INFORMATION |
| 2. | Μ | 10DULE DRAWING |
| 3. | AE | 3SOLUTE MAXIMUM RATINGS |
| 4. | EL | ECTRICAL CHARACTERISTICS |
| 5. | BA | ACKLIGHT CHARACTERISTICS |
| 6. | EL | ECTRO-OPTICAL CHARACTERISTICS |
| 7. | IN | TERFACE DESCRIPTION |
| 8. | LC | D TIMING CHARACTERISTICS 10 |
| 8 | .1. | Clock and data input time diagram10 |
| 8 | .2. | Parallel RGB input timing table10 |
| 9. | RE | ELIABILITY TEST |
| 10. | | LEGAL INFORMATION |

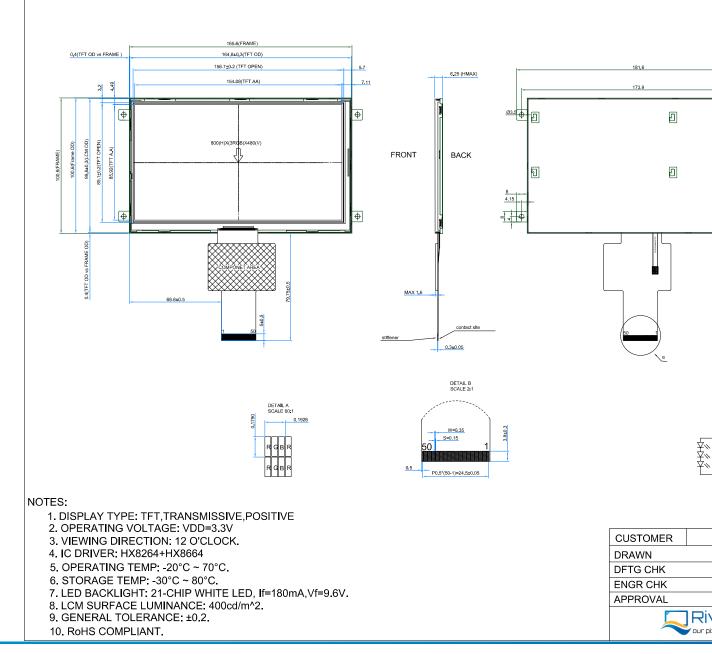


1. MODULE CLASSIFICATION INFORMATION

| RV | Т | ⊡.ר | A | 800480 | Т | F | W | Ν | 00 |
|----|----|-----|----|--------|----|----|----|----|-----|
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. |

| 1. | BRAND | RV – Riverdi |
|-----|------------------|--|
| 2. | PRODUCT TYPE | T – TFT Standard F – TFT Custom |
| 3. | DISPLAY SIZE | 3.5 – 3.5" 4.3 – 4.3" 5.7 – 5.7" 7.0 – 7.0" |
| 4. | MODEL SERIAL NO. | A-Z |
| 5. | RESOLUTION | 320240 – 320x240 px 480272 – 480x272 px 800480 – 800x480 px |
| 6. | INTERFACE | T – TFT LCD, RGB L – TFT LCD, LVDS C – TFT + Controller |
| 7. | FRAME | N – No Frame F – Mounting Frame |
| 8. | BACKLIGHT TYPE | W – LED White |
| 9. | TOUCH PANEL | N – No Touch Panel R – Resistive Touch Panel C – Capacitive Touch Panel |
| 10. | VERSION | 00 (00-99) |

LCD TFT Datasheet Rev.1.3 RVT7.0A800480TFWN00





3. ABSOLUTE MAXIMUM RATINGS

| PARAMETER | SYMBOL | MIN | MAX | UNIT |
|--------------------------------|-----------------|------|-----|------|
| Supply Voltage For Logic | VDD | -0.3 | 5.0 | V |
| LED reverse voltage (each LED) | VR | - | 1.2 | V |
| LED forward voltage (each LED) | IF | - | 30 | mA |
| Operating Temperature | Τορ | -20 | 70 | °C |
| Storage Temperature | T _{ST} | -30 | 80 | °C |

4. ELECTRICAL CHARACTERISTICS

| PARAMETER | SYMBOL | MIN | ΤΥΡ | MAX | UNIT |
|---------------------------|--------|--------|------|--------|------|
| Power voltage | VDD | 3.0 | 3.3 | 3.6 | V |
| Input Current | IVDD | - | 71.4 | - | mA |
| Input Voltage ' H ' level | VIH | 0.7VDD | - | VDD | V |
| Input Voltage ' L ' level | VIL | 0 | - | 0.3VDD | V |

5. BACKLIGHT CHARACTERISTICS

| ITEM | SYMBOL | MIN | ΤΥΡ | MAX | UNIT |
|---------------------------|--------|-------|-------|------|------|
| Voltage for LED backlight | VI | 9.0 | 9.6 | 10.2 | V |
| Current for LED backlight | h | 170 | 180 | 200 | mA |
| LED Life Time | - | 30000 | 50000 | - | Hrs |

Note: The LED life time is defined as the module brightness decrease to 50% original brightness at Ta=25°C

6. ELECTRO-OPTICAL CHARACTERISTICS

| ITEM | | SYMBOL | CONDITION | MIN | ΤΥΡ | MAX | UNIT | REMARK | NOTE | | | | | | | |
|-------------------------|---------------------|------------|---------------|-----|-------|-----|-------------------|-----------|------|--------|----|----|---|-----|-----------|---|
| Response Ti | me | Tr+Tf | | - | 20 | 35 | ms | Figure 1. | 4 | | | | | | | |
| Contrast Rat | tio | Cr | θ=0° | 400 | 500 | - | | Figure 2. | 1 | | | | | | | |
| Luminance Uniformity | | δ WHITE | Ø=0° Ta=25 | 70 | 75 | - | % | Figure 2. | 3 | | | | | | | |
| Surface Lum | inance | Lv | - | - | 400 | - | cd/m ² | Figure 2. | 2 | | | | | | | |
| | | | Ø = 90° | 40 | 50 | - | deg | Figure 3. | | | | | | | | |
| | | 0 | Ø = 270° | 60 | 70 | - | deg | Figure 3. | | | | | | | | |
| Viewing Angl | Viewing Angle Range | ngle Range | θ | 0 | 0 | 0 | 0 | 0 | . 0 | Ø = 0° | 60 | 70 | - | deg | Figure 3. | 6 |
| | | | Ø = 180° | 60 | 70 | - | deg | Figure 3. | | | | | | | | |
| | Red | x | | - | - | - | | | | | | | | | | |
| | | У | - | - | - | - | | | | | | | | | | |
| CIE (x, y) | Green | x | θ=0° | - | - | - | | | | | | | | | | |
| Chromatici ty | | У | Ø=0° | - | - | - | Fi | gure 2. | 5 | | | | | | | |
| | Blue | x | та=25 | - | - | - | rigure 2. | | | | | | | | | |
| | | У | 14 25 | - | - | - | | | | | | | | | | |
| | White | x | | - | 0.280 | - | | | | | | | | | | |
| | | У | | - | 0.310 | - | | | | | | | | | | |



Note 1. Contrast Ratio(CR) is defined mathematically as below, for more information see Figure 1.

Contrast Ratio = $\frac{\text{Average Surface Luminance with all white pixels (P1, P2, P3, P4, P5)}}{\text{Average Surface Luminance with all black pixels (P1, P2, P3, P4, P5)}}$

Note 2. Surface luminance is the LCD surface from the surface with all pixels displaying white. For more information see Figure 2.

Lv = Average Surface Luminance with all white pixels (P1, P2, P3, P4, P5)

Note 3. The uniformity in surface luminance δ WHITE is determined by measuring luminance at each test position 1 through 5, and then dividing the maximum luminance of 5 points luminance by minimum luminance of 5 points luminance. For more information see Figure 2.

 $\delta \text{ WHITE } = \frac{\text{Minimum Surface Luminance with all white pixels (P1, P2, P3, P4, P5)}}{\text{Maximum Surface Luminance with all white pixels (P1, P2, P3, P4, P5)}}$

Note 4. Response time is the time required for the display to transition from white to black (Rise Time, Tr) and from black to white (Decay Time, Tf). For additional information see Figure 1. The test equipment is Autronic-Melchers's ConoScope series.

Note 5. CIE (x, y) chromaticity, the x, y value is determined by measuring luminance at each test position 1 through 5, and then make average value.

Note 6. Viewing angle is the angle at which the contrast ratio is greater than 2. For TFT module the contrast ratio is greater than 10. The angles are determined for the horizontal or x axis and the vertical or y axis with respect to the z axis which is normal to the LCD surface. For more information see Figure 3.

Note 7. For viewing angle and response time testing, the testing data is based on Autronic-Melchers's ConoScope series. Instruments for Contrast Ratio, Surface Luminance, Luminance Uniformity, CIE the test data is based on TOPCON's BM-5 photo detector.



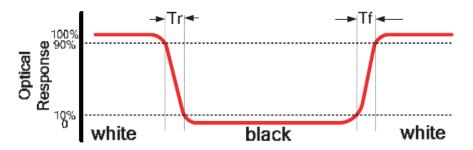




Figure 2.Measuring method for Contrast ratio, surface luminance, Luminance uniformity, CIE (x,y) chromaticity

A : 5 mm B : 5 mm H,V : Active Area Light spot size \emptyset =5mm, 500mm distance from the LCD surface to detector lens measurement instrument is TOPCON's luminance meter BM-5

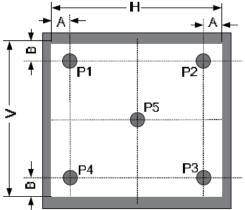
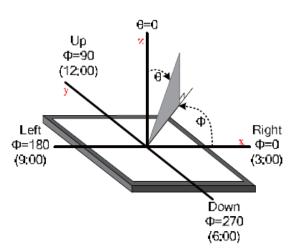


Figure 3. The definition of viewing angle



7. INTERFACE DESCRIPTION

| PIN NO. | SYMBOL | DESCRIPTION | REMARK |
|------------|--------|--------------------------|--------|
| 1 | VLED+ | Anode Of LED Backlight | |
| 2 | VLED+ | Anode Of LED Backlight | |
| 3 | VLED- | Cathode Of LED Backlight | |
| 4 | VLED- | Cathode Of LED Backlight | |
| 5 | GND | Power Ground | |
| 6 | VDD | Power For Circuit | |
| 7 | VDD | Power For Circuit | |
| 8 | MODE | DE/SYNC Mode Select | Note 1 |
| 9 | DE | Data Input Enable | |
| 10 | VSYNC | Vertical Sync Signal | |
| 11 | HSYNC | Horizontal Sync Signal | |
| 12 | B7 | Blue Data (MSB) | |
| 13 | B6 | Blue Data | |
| 14 | B5 | Blue Data | |
| 15 | B4 | Blue Data | |
| 16 | B3 | Blue Data | |
| 17 | B2 | Blue Data | |

LCD TFT Datasheet Rev.1.3 RVT7.0A800480TFWN00



| 19B0Blue Data (LSB)Note 220G7Green Data (MSB) | 18 | B1 | Blue Data | Note 2 |
|---|----|-------|------------------------|------------|
| 21G6Green Data22G5Green Data23G4Green Data24G3Green Data25G2Green Data26G1Green Data27G0Green Data (LSB)28R7Red Data (MSB)29R6Red Data30R5Red Data31R4Red Data32R3Red Data33R2Red Data34R1Red Data35R0Red Data36GNDPower Ground37DCLKClock For Input Data38GNDPower Ground39LRLeft / Right Selection40UDUp / Down Selection41VDDPower For Circuit42VDDPower For Circuit43NCNo Connection44RESETGlobal Reset Pin45NCNo Connection46NCNo Connection49NCNo Connection | 19 | BO | Blue Data (LSB) | Note 2 |
| 22G5Green DataImage: constraint of the system of the syst | 20 | G7 | Green Data (MSB) | |
| 2364Green Data24G3Green Data25G2Green Data26G1Green Data (LSB)27G0Green Data (LSB)28R7Red Data (MSB)29R6Red Data30R5Red Data31R4Red Data32R3Red Data33R2Red Data34R1Red Data35R0Red Data (LSB)36GNDPower Ground37DCLKClock For Input Data38GNDPower Ground39LRLeft / Right Selection40UDUp / Down Selection41VDDPower For Circuit43NCNo Connection44RESETGlobal Reset Pin45NCNo Connection46NCNo Connection47DITHBDithering Function49NCNo Connection | 21 | G6 | Green Data | |
| 24G3Green Data25G2Green DataNote 226G1Green Data (LSB)Note 227G0Green Data (LSB)Note 228R7Red Data (MSB)29R6Red Data30R5Red Data31R4Red Data32R3Red Data33R2Red Data34R1Red Data (LSB)Note 235R0Red Data (LSB)Note 236GNDPower Ground37DCLKClock For Input DataNote 338GNDPower Ground39LRLeft / Right SelectionNote 4,5,840UDUp / Down SelectionNote 4,5,941VDDPower For Circuit42VDDPower For Circuit44RESETGlobal Reset PinNote 645NCNo Connection46NCNo Connection47DITHBDithering FunctionNote 748GNDPower Ground49NCNo Connection | 22 | G5 | Green Data | |
| 25G2Green DataNote 226G1Green Data (LSB)Note 227G0Green Data (LSB)Note 228R7Red Data (MSB)29R6Red Data30R5Red Data31R4Red Data32R3Red Data34R1Red DataNote 235R0Red DataNote 236GNDPower Ground37DCLKClock For Input DataNote 338GNDPower Ground39LRLeft / Right SelectionNote 4,5,840UDUp / Down SelectionNote 4,5,941VDDPower For Circuit42VDDPower For Circuit44RESETGlobal Reset PinNote 645NCNo Connection46NCNo Connection47DITHBDithering FunctionNote 748GNDPower Ground49NCNo Connection | 23 | G4 | Green Data | |
| 26G1Green DataNote 227G0Green Data (LSB)Note 228R7Red Data (MSB)29R6Red Data30R5Red Data31R4Red Data32R3Red Data33R2Red Data34R1Red DataNote 235R0Red Data (LSB)Note 236GNDPower Ground37DCLKClock For Input DataNote 338GNDPower Ground39LRLeft / Right SelectionNote 4,5,840UDUp / Down SelectionNote 4,5,941VDDPower For Circuit42VDDPower For Circuit43NCNo Connection44RESETGlobal Reset PinNote 645NCNo Connection46NCNo Connection49NCNo Connection | 24 | G3 | Green Data | |
| 27G0Green Data (LSB)Note 228R7Red Data (MSB) | 25 | G2 | Green Data | |
| 28R7Red Data (MSB)Indext (MSB)29R6Red DataIndext (MSB)30R5Red DataIndext (MSB)31R4Red DataIndext (MSB)32R3Red DataIndext (MSB)33R2Red DataIndext (MSB)34R1Red DataNote 235R0Red Data (LSB)Note 236GNDPower GroundIndext (LSB)37DCLKClock For Input DataNote 338GNDPower GroundIndext (LSB)39LRLeft / Right SelectionNote 4,5,840UDUp / Down SelectionNote 4,5,941VDDPower For CircuitIndext (LSB)42VDDPower For CircuitIndext (LSB)44RESETGlobal Reset PinNote 645NCNo ConnectionIndext (LSB)46NCNo ConnectionIndext (LSB)47DITHBDithering FunctionNote 748GNDPower GroundIndext (LSB)49NCNo ConnectionIndext (LSB) | 26 | G1 | Green Data | Note 2 |
| 29R6Red Data30R5Red Data31R4Red Data32R3Red Data33R2Red Data34R1Red Data (LSB)36GNDPower Ground37DCLKClock For Input Data38GNDPower Ground39LRLeft / Right Selection41VDDPower For Circuit42VDDPower For Circuit43NCNo Connection44RESETGlobal Reset Pin45NCNo Connection46NCNo Connection49NCNo Connection | 27 | G0 | Green Data (LSB) | Note 2 |
| 30R5Red Data31R4Red Data32R3Red Data33R2Red Data34R1Red Data (LSB)Note 235R0Red Data (LSB)Note 236GNDPower Ground37DCLKClock For Input DataNote 338GNDPower Ground39LRLeft / Right SelectionNote 4,5,840UDUp / Down SelectionNote 4,5,941VDDPower For Circuit42VDDPower For Circuit44RESETGlobal Reset PinNote 645NCNo Connection46NCNo Connection47DITHBDithering FunctionNote 748GNDPower Ground49NCNo Connection | 28 | R7 | Red Data (MSB) | |
| 31R4Red Data32R3Red Data33R2Red Data34R1Red Data35R0Red Data (LSB)36GNDPower Ground37DCLKClock For Input DataNote 338GNDPower Ground39LRLeft / Right SelectionNote 4,5,840UDUp / Down SelectionNote 4,5,941VDDPower For Circuit42VDDPower For Circuit44RESETGlobal Reset PinNote 645NCNo Connection46NCNo Connection47DITHBDithering FunctionNote 748GNDPower Ground49NCNo Connection | 29 | R6 | Red Data | |
| 32R3Red Data33R2Red DataNote 234R1Red Data (LSB)Note 235R0Red Data (LSB)Note 236GNDPower GroundNote 337DCLKClock For Input DataNote 338GNDPower GroundNote 4,5,840UDUp / Down SelectionNote 4,5,941VDDPower For CircuitNote 4,5,943NCNo ConnectionNote 644RESETGlobal Reset PinNote 645NCNo ConnectionNote 646NCNo ConnectionNote 748GNDPower GroundNote 749NCNo ConnectionNote 7 | 30 | R5 | Red Data | |
| 33R2Red DataNote 234R1Red Data (LSB)Note 235R0Red Data (LSB)Note 236GNDPower Ground37DCLKClock For Input DataNote 338GNDPower Ground39LRLeft / Right SelectionNote 4,5,840UDUp / Down SelectionNote 4,5,941VDDPower For Circuit42VDDPower For Circuit43NCNo Connection44RESETGlobal Reset PinNote 645NCNo Connection46NCNo Connection47DITHBDithering FunctionNote 748GNDPower Ground49NCNo Connection | 31 | R4 | Red Data | |
| 34R1Red DataNote 235R0Red Data (LSB)Note 236GNDPower Ground37DCLKClock For Input DataNote 338GNDPower Ground39LRLeft / Right SelectionNote 4,5,840UDUp / Down SelectionNote 4,5,941VDDPower For Circuit42VDDPower For Circuit43NCNo Connection44RESETGlobal Reset PinNote 645NCNo Connection46NCNo Connection47DITHBDithering FunctionNote 748GNDPower Ground49NCNo Connection | 32 | R3 | Red Data | |
| 35R0Red Data (LSB)Note 236GNDPower GroundImage: Constraint of the section of the se | 33 | R2 | Red Data | |
| 36GNDPower GroundNote 337DCLKClock For Input DataNote 338GNDPower Ground | 34 | R1 | Red Data | Note 2 |
| 37DCLKClock For Input DataNote 338GNDPower Ground | 35 | RO | Red Data (LSB) | Note 2 |
| 38GNDPower GroundImage: Second Secon | 36 | GND | Power Ground | |
| 39LRLeft / Right SelectionNote 4,5,840UDUp / Down SelectionNote 4,5,941VDDPower For Circuit | 37 | DCLK | Clock For Input Data | Note 3 |
| 40UDUp / Down SelectionNote 4,5,941VDDPower For Circuit42VDDPower For Circuit43NCNo Connection44RESETGlobal Reset PinNote 645NCNo Connection46NCNo Connection47DITHBDithering FunctionNote 748GNDPower Ground49NCNo Connection | 38 | GND | Power Ground | |
| 41VDDPower For CircuitImage: Comparison of Circuit42VDDPower For CircuitImage: Comparison of Circuit43NCNo ConnectionImage: Comparison of Circuit44RESETGlobal Reset PinNote 645NCNo ConnectionImage: Comparison of Circuit46NCNo ConnectionImage: Comparison of Circuit47DITHBDithering FunctionNote 748GNDPower GroundImage: Comparison of Circuit49NCNo ConnectionImage: Comparison of Circuit | 39 | LR | Left / Right Selection | Note 4,5,8 |
| 42VDDPower For CircuitInterference43NCNo ConnectionInterference44RESETGlobal Reset PinNote 645NCNo ConnectionInterference46NCNo ConnectionInterference47DITHBDithering FunctionNote 748GNDPower GroundInterference49NCNo ConnectionInterference | 40 | UD | Up / Down Selection | Note 4,5,9 |
| 43NCNo ConnectionImage: connection44RESETGlobal Reset PinNote 645NCNo ConnectionImage: connection46NCNo ConnectionImage: connection47DITHBDithering FunctionNote 748GNDPower GroundImage: connection49NCNo ConnectionImage: connection | 41 | VDD | Power For Circuit | |
| 44RESETGlobal Reset PinNote 645NCNo Connection46NCNo Connection47DITHBDithering FunctionNote 748GNDPower Ground49NCNo Connection | 42 | VDD | Power For Circuit | |
| 45NCNo Connection46NCNo Connection47DITHBDithering FunctionNote 748GNDPower GroundImage: Connection49NCNo ConnectionImage: Connection | 43 | NC | No Connection | |
| 46NCNo Connection47DITHBDithering FunctionNote 748GNDPower Ground49NCNo Connection | 44 | RESET | Global Reset Pin | Note 6 |
| 47DITHBDithering FunctionNote 748GNDPower Ground49NCNo Connection | 45 | NC | No Connection | |
| 48 GND Power Ground 49 NC No Connection | 46 | NC | No Connection | |
| 48 GND Power Ground 49 NC No Connection | 47 | DITHB | Dithering Function | Note 7 |
| | 48 | GND | | |
| 50 NC No Connection | 49 | NC | No Connection | |
| | 50 | NC | No Connection | |

Note 1: DE/SYNC mode select. Normally (Internally) pulled high.

When select DE mode, MODE="1", VS and HS must pull high.

When select SYNC mode, MODE="0", DE must be grounded.

Note 2: When input 18bit RGB data, the two low bits of R, G and B data must be grounded.

Note 3: Data shall be latched at the falling edge of DCLK.

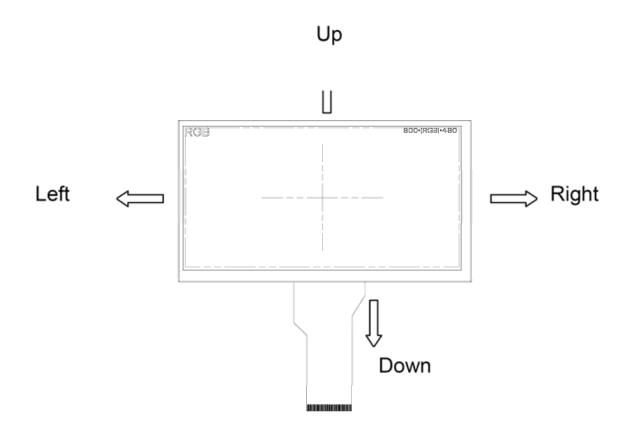
Note 4: Selection of scanning mode.

| SET OF SCAN CON | ITROL INPUT | SCANNING DIRECTION | |
|-----------------|-------------|---------------------------|--|
| UD | LR | | |
| GND | VDD | Up To Down, Left To Right | |
| VDD | GND | Down To Up, Right To Left | |
| GND | GND | Up To Down, Right To Left | |
| VDD | VDD | Down To Up, Left To Right | |



Note 5: Definition of scanning direction. Refer to the Figure 4.

Figure 4. Definition of scanning direction



Note 6: Global reset pin. Active low to enter reset state. Suggest to connect with an RC reset circuit for stability. Normally (internally) pulled high.

Note 7: Dithering function enable control, normally (internally) pull high. When DITHB="1", Disable internal dithering function, When DITHB="0", Enable internal dithering function,

Note 8: Normally (internally) pull high.

Note 9: Normally (internally) pull low.



8. LCD TIMING CHARACTERISTICS

8.1. Clock and data input time diagram

Figure 5. Horizontal input timing diagram

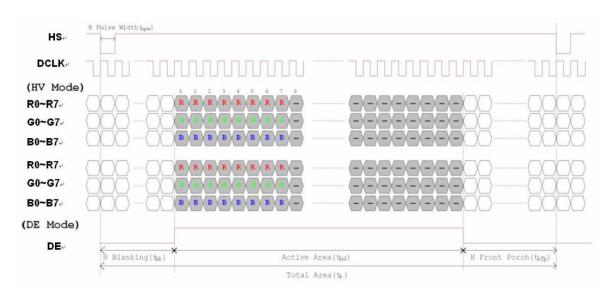
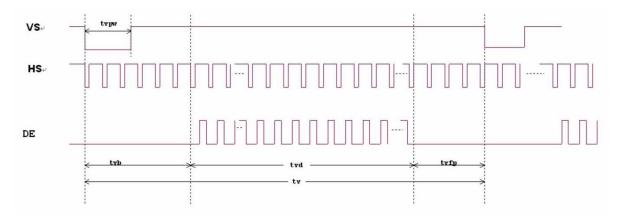


Figure 6. Vertical input timing diagram



8.2. Parallel RGB input timing table

| PARAMETER | SYMBOL | MIN | ТҮР | MAX | UNIT |
|------------------|--------|---------|------|------|------|
| DCLK Frequency | Fclk | 26.4 | 33.3 | 46.8 | MHz |
| VSD Period Time | Τv | 510 | 525 | 650 | TH |
| VSD Display Area | Tvd | 480 | | TH | |
| VSD Blanking | Tvb | 23 | | TH | |
| VSD Front Porch | Tvfp | 7 | 22 | 147 | TH |
| VSD Pulse Width | Tvpw | 1 | - | 20 | TH |
| HSD Pulse Width | Thpw | 1 | - | 40 | DCLK |
| HSD Period Time | Th | 862 | 1056 | 1200 | DCLK |
| HSD Display Area | Thd | 800 | | DCLK | |
| HSD Blanking | Thb | 46 DCLK | | | |
| HSD Front Porch | Thfp | 16 | 210 | 354 | DCLK |



9. RELIABILITY TEST

| NO. | TEST ITEM | TEST CONDITION | | |
|-----|----------------------------|--|--|--|
| 1 | High Temperature Storage | 80±2°C/240hours | | |
| 2 | Low Temperature Storage | -30±2°C/240hours | | |
| 3 | High Temperature Operating | 70±2°C/240hours | | |
| 4 | Low Temperature Operating | -20±2°C/240hours | | |
| | Temperature Cycle | -30±2°C~25~80±2°C × 20 cycles | | |
| 5 | | (30min.) (5min.) (30min.) | | |
| 6 | Damp Proof Test | 60°C ±5°C × 90%RH/240hours | | |
| 7 | Vibration Test | Frequency 10Hz~55Hz | | |
| | | Amplitude of vibration : 1.5mm | | |
| | | Sweep: 10Hz~55Hz~10Hz | | |
| | | X, Y, Z 2 hours for each direction. | | |
| 8 | Package Vibration Test | Random vibration :0.15G*G/HZ from | | |
| | | 5-200HZ,-6dB/Octave from 200-500HZ | | |
| | | of each direction of X.Y. Z | | |
| | | (6 hours for total) | | |
| 9 | Package Drop Test | Height:60 cm | | |
| | | 1 corner,3 edges,6 surfaces | | |
| 10 | ESD Test | \pm 2KV, Human body mode,100pF/1500 Ω | | |
| 11 | Mechanical Shock | 100G 6ms, X, Y, Z 3 times for each | | |
| | | direction | | |



10. LEGAL INFORMATION

Riverdi makes no warranty, either expressed or implied with respect to any product, and specifically disclaims all other warranties, including, without limitation, warranties for merchantability, non-infringement and fitness for any particular purpose. Information about device are the property of Riverdi and may be the subject of patents pending or granted. It is not allowed to copy or disclosed this document without prior written permission.

Riverdi endeavors to ensure that the all contained information in this document are correct but does not accept liability for any error or omission. Riverdi products are in developing process and published information may be not up to date. Riverdi reserves the right to update and makes changes to Specifications or written material without prior notice at any time. It is important to check the current position with Riverdi.

Images and graphics used in this document are only for illustrative the purpose. All images and graphics are possible to be displayed on the range products of Riverdi, however the quality may vary. Riverdi is no liable to the buyer or to any third part for any indirect, incidental, special, consequential, punitive or exemplary damages (including without limitation lost profits, lost savings, or loss of business opportunity) relating to any product, service provided or to be provided by Riverdi, or the use or inability to use the same, even if Riverdi has been advised of the possibility of such damages.

Riverdi products are not fault tolerant nor designed, manufactured or intended for use or resale as on line control equipment in hazardous environments requiring fail – safe performance, such as in the operation of nuclear facilities, aircraft navigation or communication systems, air traffic control, direct life support machines or weapons systems in which the failure of the product could lead directly to death, personal injury or severe physical or environmental damage ('High Risk Activities'). Riverdi and its suppliers specifically disclaim any expressed or implied warranty of fitness for High Risk Activities. Using Riverdi products and devices in 'High Risk Activities' and in any other application is entirely at the buyer's risk, and the buyer agrees to defend, indemnify and hold harmless Riverdi from any and all damages, claims or expenses resulting from such use. No licenses are conveyed, implicitly or otherwise, under any Riverdi intellectual property rights.



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for TFT Displays & Accessories category:

Click to view products by Riverdi manufacturer:

Other Similar products are found below :

F3ET2-005-150 HDA430T-3G1H NB7W-KBA04 NB-ATT01 NB5Q-ATT01 NB5Q-KBA04 NB-CN001 OAI-80038AA-2008-A 315-U004B15300 TCG121WXLRXVNNANX35 EIC-LCD-1080P T-55619GD065J-LW-ABN NLB150XG02L-01 NL192108AC10-01D NL6448AC18-08F NL8060BC26-35BA NL6448BC26-26D NL8060BC31-50F TM070DDHG03-40 PTPW16-070WV1S02 PTPW16-084SV1S02 MTD0300ECP06DF-1 4DLCD-35480320-CTP-IPS 4DLCD-35480320-IPS 4DLCD-35480320-RTP-IPS 4DLCD-50800480-CTP-IPS RFA6400E-AWH-DNG RFE430V-AZW-DNS RFF70BQ-1IW-DBG RFF70VA2-1IW-DHS RFH700A8-AYH-MNN RFK101VF-1YH-LHG RFS52VA-1ZH-DHN SM-RVT101HVHFWN00 SM-RVT101HVHNWC00 SM-RVT101HVHNWCA0 SM-RVT101HVHNWN00 SM-RVT101HVLFWCA0 SM-RVT101HVLNWCA0 SM-RVT35HHTFWCA0 SM-RVT35HHTFWCA0 SM-RVT43HLTFWCA0 SM-RVT43HLTNWCA0 SM-RVT50HQTFWCA0 SM-RVT50HQTNWCA0 SM-RVT70AQLFWR00 SM-RVT70AQLNWR00 SM-RVT70HSLFWCA0 SM-RVT70HSMFWCA0 SM-RVT70HSMFWN00