4DLCD-35480320-IPS Series

4DLCD-35480320-IPS 4DLCD-35480320-IPS-RTP 4DLCD-35480320-IPS-CTP 4DLCD-35480320-IPS-CTP-CLB



# Datasheet

Revision 1.3

Copyright © 2024 4D Systems

# Contents

| 1. General Specification  | 4 |
|---|---|
| 2. TFT LCD Display Drawing (Non-Touch Version)                              | 0 |
| 3. TFT LCD Display Drawing (Resistive Touch Version)                        | 0 |
| 4. TFT LCD Display Drawing (Capacitive Touch Version)                       | 0 |
| 5. TFT LCD Display Drawing (Capacitive Touch Version with Cover Lens Bezel) | 0 |
| 6. Absolute Maximum Ratings   | 0 |
| 7. Electrical Characteristics   | 0 |
| 8. Electro-Optical Characteristics  | 0 |
| 9. Backlight Characteristics  | 0 |
| 10. Interface Descriptions  | 0 |
| 10.1. LCD Interface   | 0 |
| 10.2. CTP Interface   | 0 |
| 11. Backlight Example Circuit   | 0 |
| 12. Initialisation Code   | 0 |
| 13. LCD Timing Details  | 0 |
| 13.1. Timing Chart  | 0 |
| 13.2. Reset Timing  | 0 |
| 13.3. Power On Sequence   | 0 |
| 13.3.1. Case 1 - RES line is held High or Unstable by Host at Power ON      | 0 |
| 13.3.2. Case 2 - RES line is held Low by Host at Power ON                   | 0 |
| 13.4. Power-off Sequence - Uncontrolled Power Off                           | 0 |
| 14. Reliability Test  | 0 |
| 15. Precautions for Using LCD Modules                                       | 0 |
| 15.1. Handing Precautions   | 0 |
| 15.2. Storage Precautions   | 0 |
| 16. Revision History  | 0 |
| 17. Legal Information   | 0 |
| 17.1. Proprietary Information   | 0 |

4DLCD-35480320-IPS Series General Specification

## 1. General Specification

4DLCD-35480320-IPS is a colour active-matrix LCD module incorporating amorphous silicon IPS TFT (Thin Film Transistor). It is composed of a colour TFT-LCD panel, driver IC, FPC and a backlight unit with/without a Resistive/Capacitive Touch Panel (RTP or CTP), and with/without Cover Lens Bezel (CLB). The module display area contains 320 x 480 pixels. This product accords with RoHS environmental criteria.

#### **Part Number Details:**

4DLCD - 4D Systems LCD Display

3548032 - 3.5-inch, 320 x 480 Resolution

RTP - Resistive Touch

CTP - Capacitive Touch

CLB - Cover Lens Bezel





### Note

- RoHS compliant
- LCD weight tolerance: ±5%.