4DLCD-28320240-IPS Series

4DLCD-28320240-IPS-RTP 4DLCD-28320240-IPS-CTP 4DLCD-28320240-IPS-CLB



Datasheet

Revision 1.5

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 (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-28320240-IPS Series General Specification

1. General Specification

4DLCD-28320240-IPS is a colour active-matrix LCD module incorporating amorphous silicon TFT IPS (Thin Film Transistor). It is composed of a colour IPSTFT-LCD panel, driver IC, FPC and a backlight unit with/without a Resistive/Capacitive Touch Panel (RTP/CTP). The module display area contains 240 x 320 pixels. This product accords with RoHS environmental criteria.

Part Number Details:

4DLCD 4DLCD LCD Display

28320240 2.8 inches, 240 x 320 Resolution

IPS In-plane Switching

RTP Resistive touch

CTP Capacitive touch



Note

1. RoHS compliant

2. LCD weight tolerance: ±5%