



Specification for Approval

Customer: _____

Model Name: _____

| Supplier Approval | | | Customer approval |
|-------------------|-----------------|-------------|-------------------|
| R&D Designed | R&D Approved | QC Approved | |
| <i>Peter</i> | <i>Peng Jun</i> | | |

Table of Contents

| List | Description | Page No. |
|------|---|----------|
| | Cover | 1 |
| | Revision Record | 2 |
| | Table of Contents | 3 |
| 1 | Scope | 4 |
| 2 | General Information | 4 |
| 3 | External Dimensions | 5 |
| 4 | Interface Description | 6 |
| 5 | Absolute Maximum Ratings | 8 |
| 6 | DC Characteristics | 8 |
| 7 | Timing Characteristics | 9 |
| 8 | Backlight Characteristics | 15 |
| 9 | Optical Characteristics | 16 |
| 10 | Reliability Test Conditions and Methods | 18 |
| 11 | Inspection Standard | 19 |
| 12 | Handling Precautions | 24 |
| 13 | Precaution for Use | 25 |
| 14 | Packing Method | 25 |

1. Scope

This specification defines general provisions as well as inspection standards for TFT module supplied by AMSON electronics.

If the event of unforeseen problem or unspecified items may occur, naturally shall negotiate and agree to solution.

2. General Information

LCM

| ITEM | STANDARD VALUES | UNITS |
|--------------------------------|------------------------------------|-------|
| LCD type | 7.0" TFT | -- |
| Dot arrangement | 800×3(RGB)×480 | dots |
| Color filter array | RGB vertical stripe | -- |
| Display mode | TN / Transmissive / Normally white | - |
| Gray Scale Inversion Direction | 6 o'clock | -- |
| Eyes Viewing Direction | 12 o'clock | |
| Module size | 186.8(W)×110.56(H)×26(T) | mm |
| Active area | 154.08(W)×85.92(H) | mm |
| Dot pitch | 0.1926(W)×0.1790(H) | mm |
| Interface | DPI / GPIO Interface | -- |
| Operating temperature | -20 ~ +70 | °C |
| Storage temperature | -30 ~ +80 | °C |
| Back Light | 21 White LEDS | -- |
| Weight | TBD | g |

CTP

| ITEM | STANDARD VALUES | UNITS |
|-----------------------|----------------------------|-------|
| CTP type | Glass + Glass + FPC | -- |
| CTP Driver IC | ICNT8856 | -- |
| Surface hardness | 6H | -- |
| Transmittance | ≥85% | -- |
| CTP size | 186.80(W)×110.56(H)×1.3(T) | mm |
| CTP Viewing area | 155.88(W)×86.72 (H) | mm |
| Operating temperature | -20 ~ +70 | °C |
| Storage temperature | -30 ~ +80 | °C |
| CTP Interface | I ² C | |

