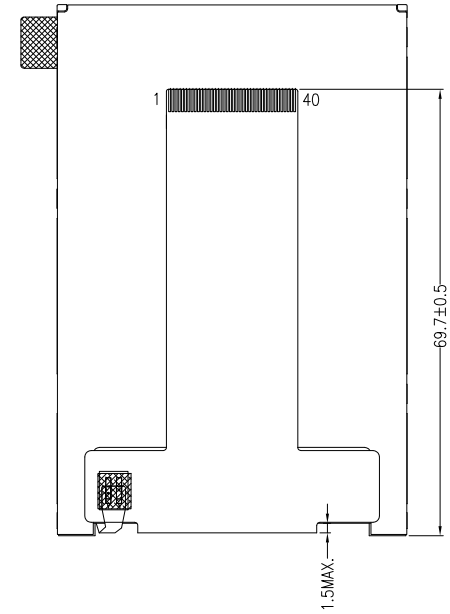
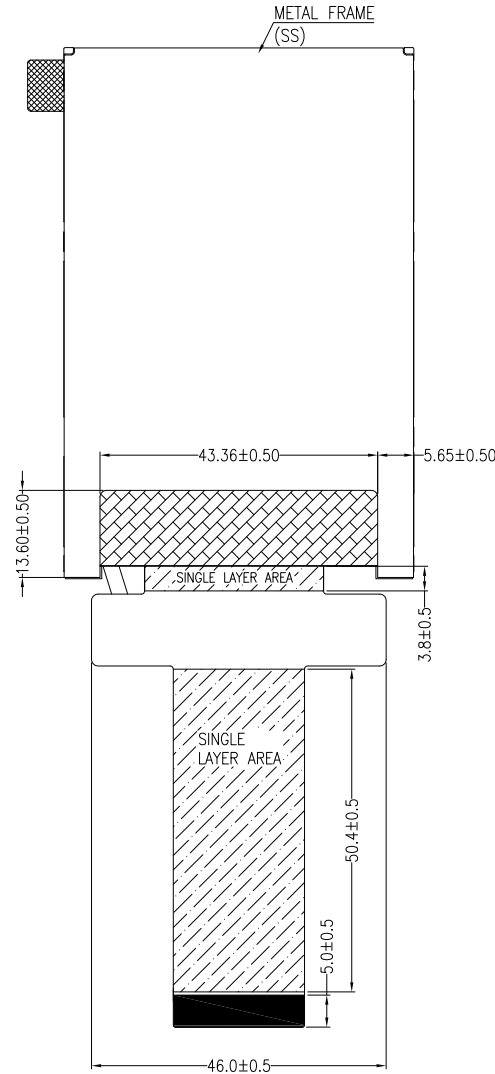
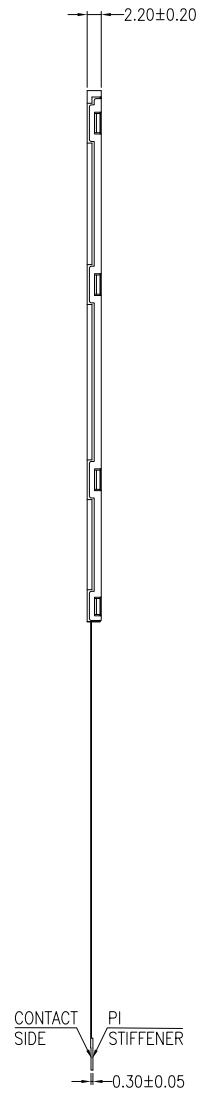
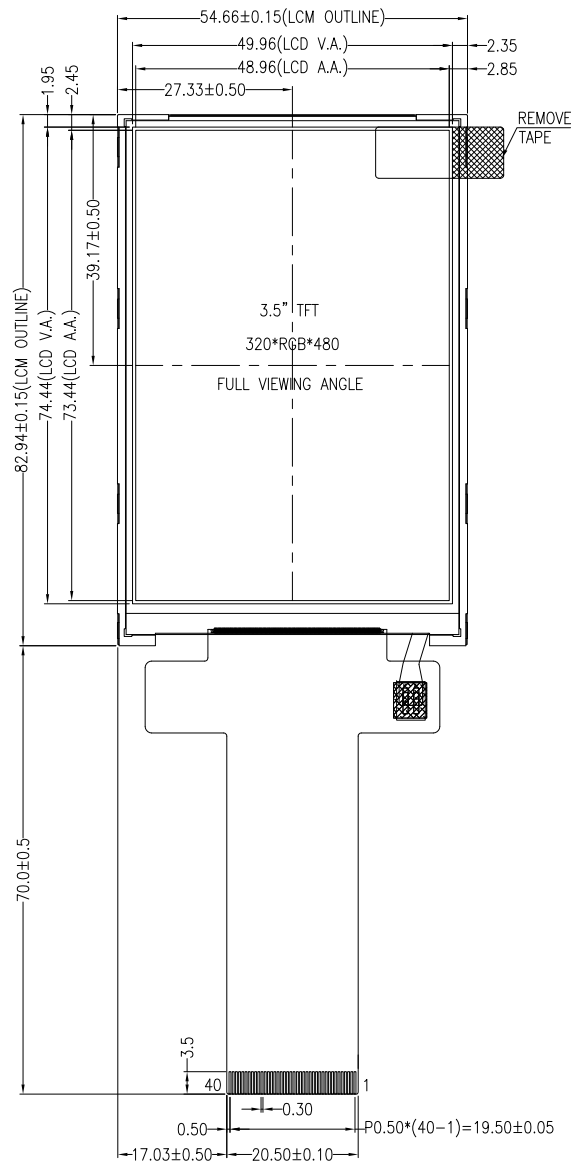
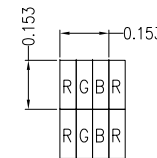
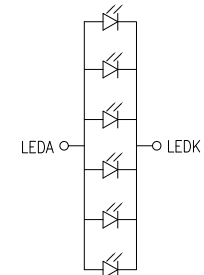




FPC BENDING DIAGRAM  
FOR CUSTOMER REFERENCE ONLY



PIXEL DETAIL



BACKLIGHT CIRCUIT DIAGRAM

| PIN ASSIGNMENT |        |
|----------------|--------|
| PIN            | SYMBOL |
| 1              | GND    |
| 2              | IOVCC  |
| 3              | VCC    |
| 4              | IM0    |
| 5              | IM2    |
| 6              | IM2    |
| 7              | /RESET |
| 8              | DB17   |
| 9              | DB16   |
| 10             | DB15   |
| 11             | DB14   |
| 12             | DB13   |
| 13             | DB12   |
| 14             | DB11   |
| 15             | DB10   |
| 16             | DB9    |
| 17             | DB8    |
| 18             | DB7    |
| 19             | DB6    |
| 20             | DB5    |
| 21             | DB4    |
| 22             | DB3    |
| 23             | DB2    |
| 24             | DB1    |
| 25             | DB0    |
| 26             | GND    |
| 27             | SDO    |
| 28             | SDA    |
| 29             | /RD    |
| 30             | /WR    |
| 31             | D/CX   |
| 32             | /CS    |
| 33             | TE     |
| 34             | LEDA   |
| 35             | LEDK   |
| 36             | GND    |
| 37             | NC     |
| 38             | NC     |
| 39             | NC     |
| 40             | GND    |

NOTES:

1. DISPLAY TYPE: TFT, TRANSMISSIVE, NORMALLY BLACK
2. OPERATING VOLTAGE: VCC=2.8V (TYP.), IOVCC=1.8V /2.8V (TYP.)
3. VIEWING DIRECTION: FULL VIEWING ANGLE
4. DRIVER IC: ST7796P-G5
5. OPERATING TEMP.: -20°C ~ 70°C
6. STORAGE TEMP.: -30°C ~ 80°C
7. LED BACKLIGHT: WHITE LEDs, IF=120mA, VF=2.8~3.4V
8. SURFACE LUMINANCE: 400CD/M<sup>2</sup> (TYP.)
9. TOP POLARIZER SURFACE TREATMENT: ANTI-GLARE
10. RECOMMEND MATCHING CONNECTOR: FH28-40S-0.5SH OR EQUIVALENT
11. THE SINGLE LAYER AREA OF FPC IS BENDABLE AND THE BENDING RADIUS MUST BE NOT LESS THAN 1.5MM
12. GENERAL TOLERANCE: ±0.2MM
13. ROHS COMPLIANT

|      |                     |         |            |              |    |                |                         |
|------|---------------------|---------|------------|--------------|----|----------------|-------------------------|
| 01   | FIRST ISSUE         | RITA    | 2024.09.15 | APPROVED BY: | 01 | UNIT: mm       | DESCRIPTION: TFT MODULE |
| VER. | REVISED DESCRIPTION | REVISER | DATE       | VERSION NO:  | 01 | SHEET NO.: 1/1 |                         |



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|              |      |            |                |              |
|--------------|------|------------|----------------|--------------|
| DRAWN BY:    | RITA | 2024.09.15 |                | MODULE P/N:  |
| CHECKED BY:  |      |            | SCALE : 1/1    | MIO350BKT-4  |
| APPROVED BY: |      |            | UNIT: mm       | DESCRIPTION: |
| VERSION NO:  | 01   |            | SHEET NO.: 1/1 | TFT MODULE   |