

## User's Guide

# TS320240BRNO

## Touch Panel

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For product support, contact

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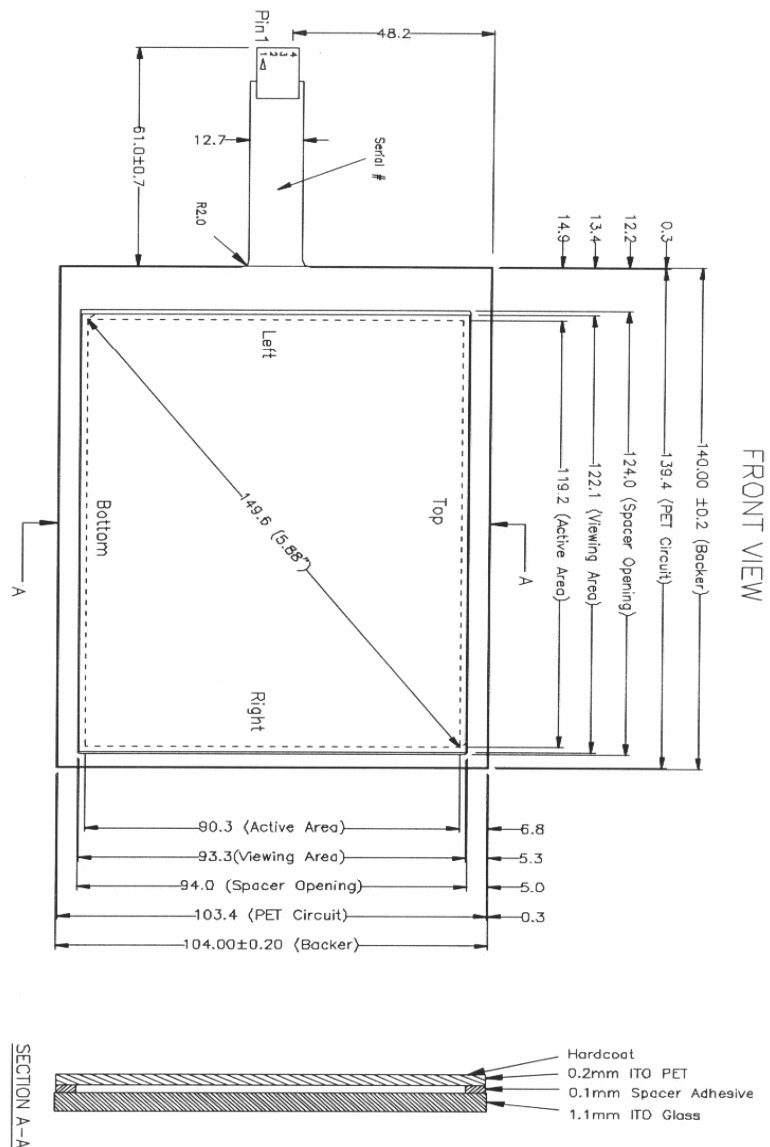
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## 12. Touch panel Information:

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- NOTES:
1. ITO GLASS THICKNESS : 1.1mm
  2. ITO PET TOP CIRCUIT THICKNESS : 0.2mm
  3. SPACER ADHESIVE : 0.1mm
  4. OVERALL THICKNESS : 1.40mm  $\pm 0.07$
  5. CONNECTOR AND PINOUT AS INDICATED
  6. FRONT SURFACE: ANTI-GLARE HARDCOAT
  7. OPTICAL SPECIFICATION : A001
  8. LAYER TO LAYER ASSEMBLY TOLERANCE:  $\pm 0.3$ mm

| Pin # | Assignment |
|-------|------------|
| 1     | Right      |
| 2     | Left       |
| 3     | Bottom     |
| 4     | Top        |



**ELECTRICAL SPECIFICATIONS:****TS-320240BRNO**

| ITEM                  | SPECIFICATION     | CONDITION    |
|-----------------------|-------------------|--------------|
| ON RESISTANCE         | 350Ω ~ 1000Ω      | DIRECTION: X |
|                       | 200Ω ~ 650Ω       | DIRECTION: Y |
| INSULATION RESISTANCE | MORE THAN 20MΩ    | DC 25V       |
| CHATTERING TIME       | LESS THAN 15 msec | 100K PULL-UP |
| LINEARITY             | ±1.5%             | X AXIS       |
|                       | ±1.5%             | Y AXIS       |

**MACHINE SPECIFICATIONS**

| ITEM                          | SPECIFICATION             | CONDITION   |
|-------------------------------|---------------------------|---|
| OPERATING FORCE               | LESS THAN 80g             | R8.0 HS 40 °<br>SILICON RUBBER<br>OR R0.8<br>POLYACETAL PEN |
| SURFACE HARDNESS              | MORE THAN 2H              | PENCIL TEST   |
| LIGHT TRANSMISSION            | MORE THAN 80 %            | @550nm<br>HITACHI U3300                                     |
| DURABILITY FOR PEN SELECTIONS | MORE THAN 1,200,000 TIMES | FORCE: 250g<br>SPEED: 2cm/sec                               |