

## User's Guide

# TS320240BRNO

## Touch Panel

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For product support, contact

**Newhaven Display International**  
**2511 Technology Drive, #101**  
**Elgin, IL 60124**  
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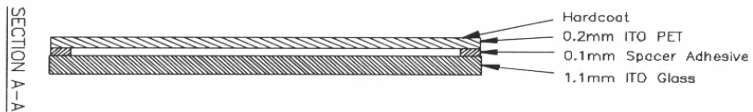
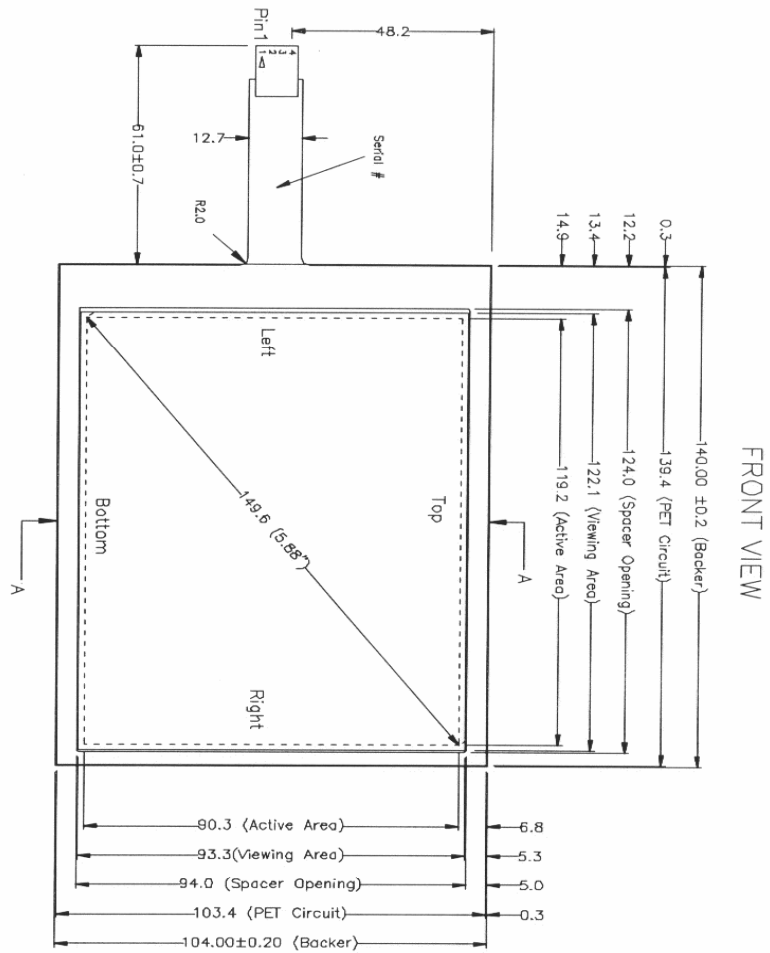
November 5, 2007

# 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 ±0.07
  5. CONNECTOR AND PINOUT AS INDICATED
  6. FRONT SURFACE ANTIGLARE HARDCOAT
  7. OPTICAL SPECIFICATION : A001
  8. LAYER TO LAYER ASSEMBLY TOLERANCE: ±0.3mm

Pin #	Assignment
1	Right
2	Left
3	Bottom
4	Top



ELECTRICAL SPECIFICATIONS:

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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 ° SILICON RUBBER OR R0.8 POLYACETAL PEN
SURFACE HARDNESS	MORE THAN 2H	PENCIL TEST
LIGHT TRANSMISSION	MORE THAN 80 %	@550nm HITACHI U3300
DURABILITY FOR PEN SELECTIONS	MORE THAN 1,200,000 TIMES	FORCE: 250g SPEED: 2cm/sec