



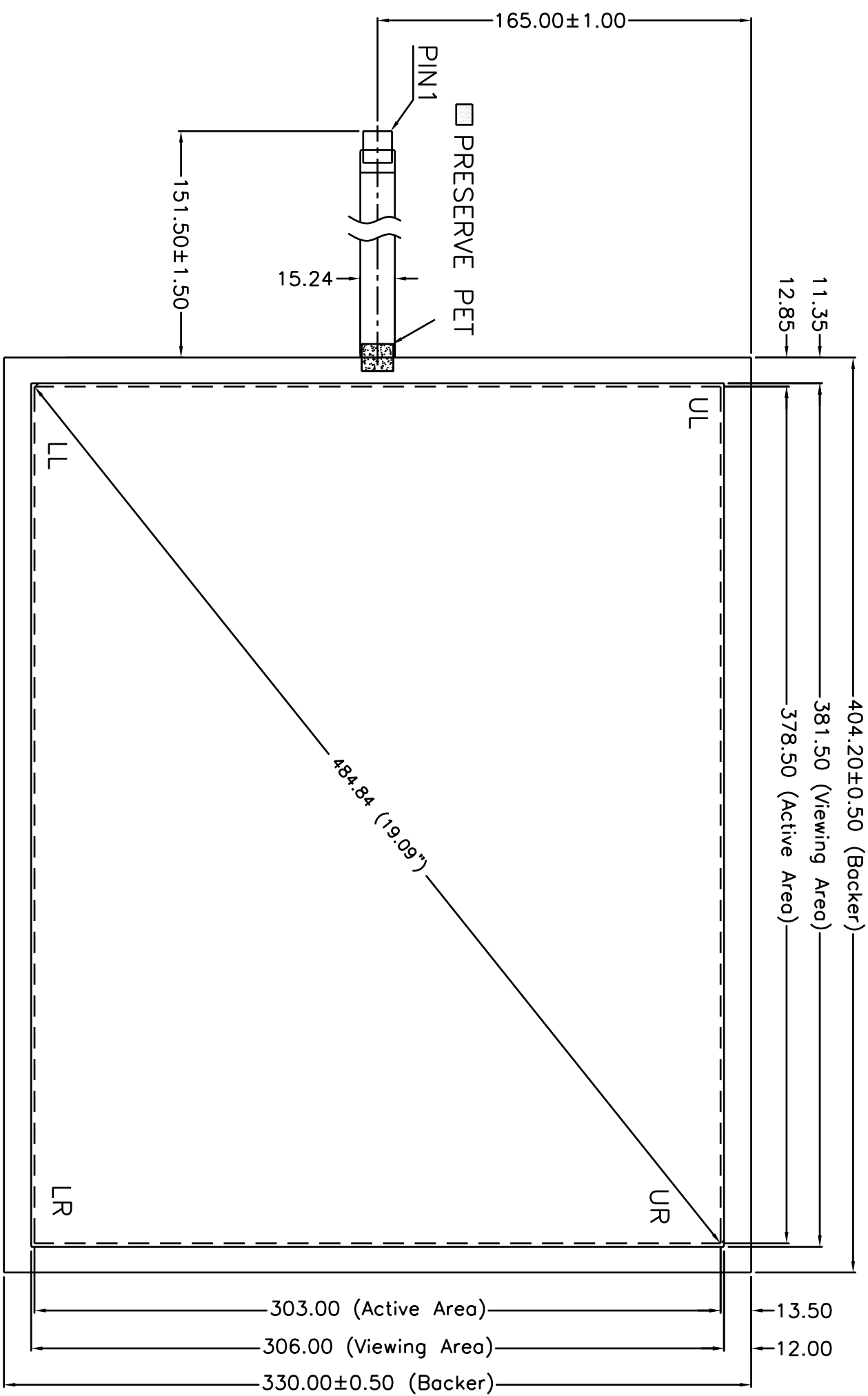
**US Micro Products**  
*Electronic Products for the OEM*

# TOUCH PRODUCT SPECIFICATION

<b>PART NUMBER:</b>	<b>USMP-MR51909-2</b>
<b>DESCRIPTION:</b>	<b>19.09" 5 wire resistive touch panel</b>

<b>ISSUE DATE</b>	<b>APPROVED BY</b> (Customer Use Only)	<b>CHECKED BY</b>	<b>PREPARED BY</b>
<b>PROPRIETARY NOTE:</b>	<b>THIS SPECIFICATION IS THE PROPERTY OF US MICRO PRODUCTS AND SHALL NOT BE REPRODUCED OR COPIED WITHOUT THE WRITTEN PERMISSION OF US MICRO PRODUCTS AND MUST BE RETURNED TO US MICRO PRODUCTS UPON ITS REQUEST.</b>		

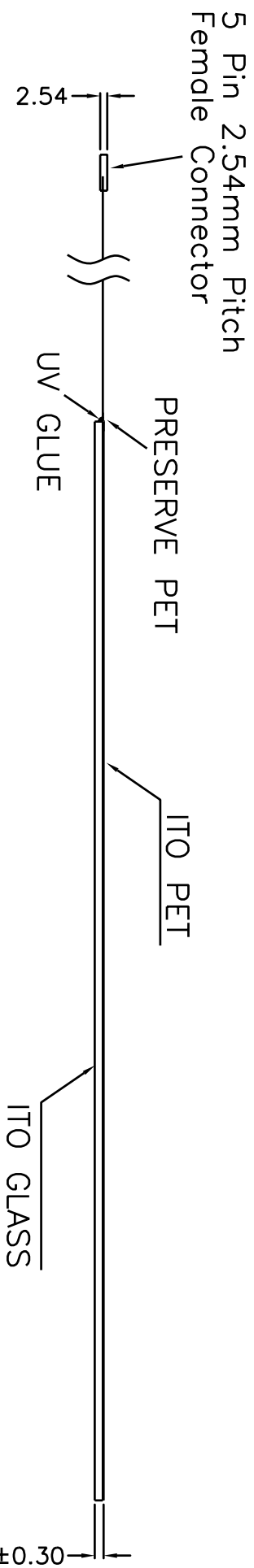
FRONT VIEW



Pin#	Assignment
1	UR
2	LR
3	S
4	UL
5	LL

NOTES:

1. ITO GLASS THICKNESS : 2.80mm
2. OVERALL THICKNESS : 3.30±0.30mm
3. CONNECTOR AND PINOUT AS INDICATED
4. FRONT SURFACE : ANTI-GLARE HARDCOAT
5. LAYER TO LAYER ASSEMBLY TOLERANCE: ±0.50mm
6. TAIL TYPE : IMMERSION GOLD PLATED FPC WITH AMP-C TIN PLATED CONTACTS
7. OTHER SPEC : SEE APPROVAL SHEET



NO.	DATE	DESCRIPTION	CHK
B	Dec.05.06	PATTERN MODIFIED	Alex
A	Jul.05.06	Add through hole area	Alex

REVISION

CHIEF OF DESIGN	APPROVED	DATE
ENGINEER	PROJECT MANAGER	DATE
DRAWN BY	REV.	



TOLERANCES UNLESS SPECIFIED

.X	± 0.50	PROJECT NAME :
.XX	± 0.50	USMP-MR51909-2
.XXX	± 0.50	DWG NO :
ANGULAR	.	SCALE: 1:1 UNIT: mm



## Displays

US Micro Products is an industrial distributor specializing in engineered display solutions. We dedicate ourselves to providing the best in displays for the medical, industrial, gaming, automotive, aerospace, military and consumer markets.

**OLEDs**



**TFT Display**



**Open Frame Monitors**



**Passive LCDs**



**Multitouch**



**Touch Screen**



As our customer, you receive expert knowledge, support and service. Our technical sales staff and experienced design engineers provide answers to your questions and engineered solutions to meet your display needs.

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Our full line of peripheral devices includes keyboards, trackballs and printers. These rugged industrial products are designed to meet the rigorous demands of your equipment and are available in a variety of standard and custom options.

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**Trackballs**



**Aerospace Trackballs**



**Printers**

