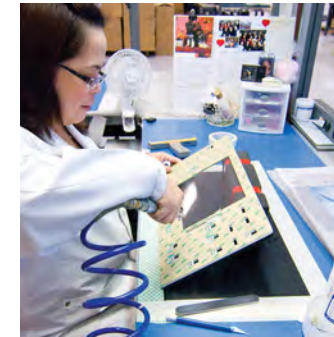
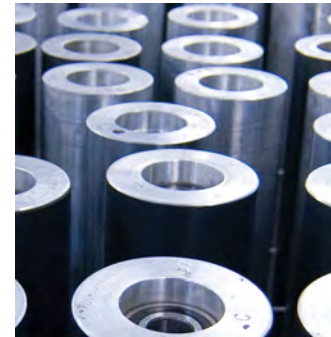


Product Samples



RESISTIVE  
TOUCH SENSOR

## Resistive Touch Sensor

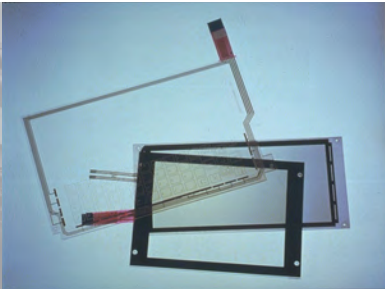
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex eacommodo consequat.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex eacommodo consequat.

### Resistive Touch Sensor Specifications

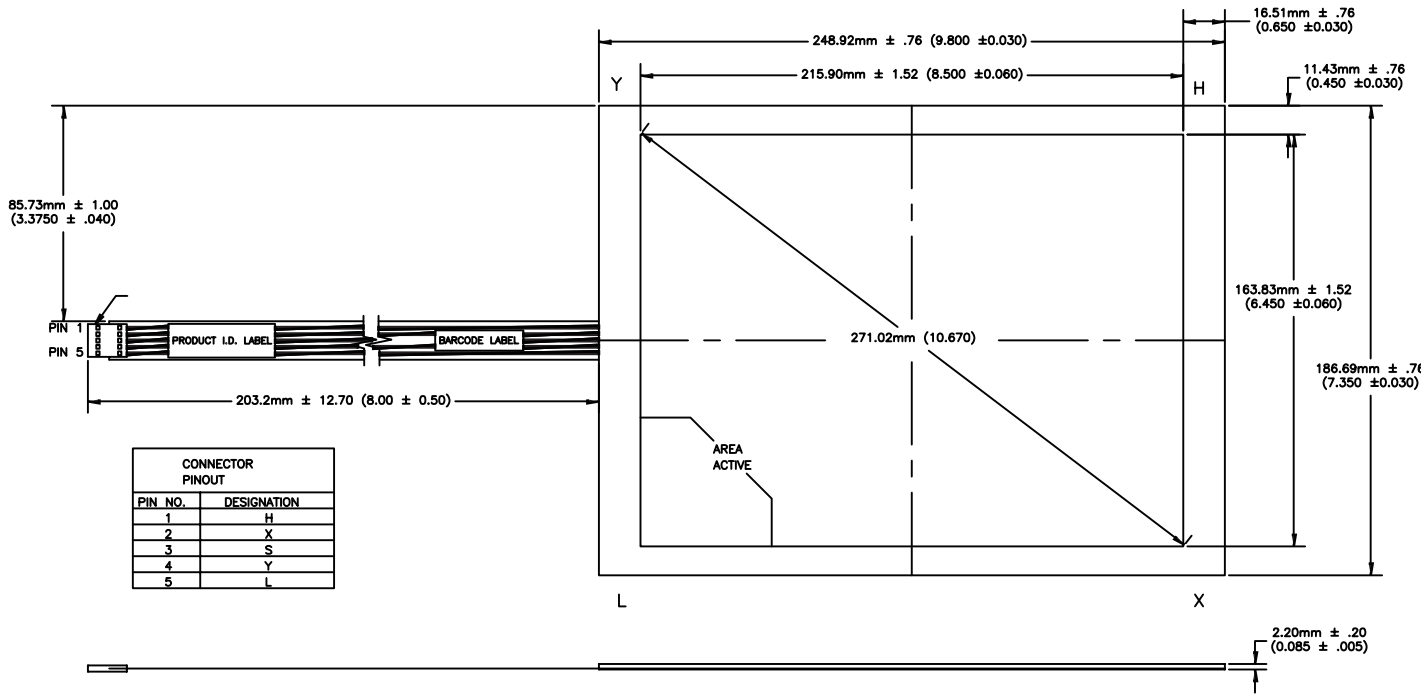
PN#: 497-AE082407-TS {4-WIRE OR 5-WIRE ANALOG}

MECHANICAL	
Input Method:	Finger, gloved hand, or stylus activation
Available Sizes:	6.0" (142.4mm) to 21.5" (546.1 mm) [diagonal]
ELECTRICAL	
Positional Accuracy:	Standard deviation error is less than 0.080" (2 mm)
Resolution:	Touchpoint density is based on A:D controller of 4096 x4096
Total Activation Force:	≤ 4 ounces (113 grams), typical.
Contact Bounce:	≤ 15mS IAW ASTM F1661-02
OPTICAL	
Light Transmission (VLT):	80% +5% at 550 nm wavelength IAW ASTM D1003
Haze:	< 7% IAW ASTM D1003
Clarity:	> 85%
Closs:	> 170 GU IAW ASTM D2457
ENVIRONMENTAL	
Temperature/Operating:	-10 ° C to +60 ° C @ ≤ 90% RH (non-condensing)
Temperature/Storage:	-40 ° C to +70 ° C @ ≤ 90% RH (non-condensing)
Storage:	90% RH @ max 35 °C for 240 hrs, Non-cond. (standard design)
Altitude Operating:	10, 000 ft (3,048 m)
Storage/transport:	50, 000 ft (15,240 m)
CHEMICAL RESISTANCE	
Industrial chemicals:	Acetone, Methylene chloride, Methyl ethyl ketone (MEK), Isopropyl Alcohol (IPA), Hexane, Turpentine, mineral spirits, unleaded gasoline, diesel fuel, motor oil, transmission fluid, antifreeze.
Foodservice chemicals:	Vinegar, Coffee, Tea, Grease, Cooking oil, Salt (NaCl), Most Commercial cleaners including ammonia-based glass cleaner and laundry detergent.
Electrostatic Protection:	15 kV Air discharge IAW ASTM F1812-02
Agency Approvals	UL, cUL, TÜV, CE, FCC Class A
Sealability:	Can be sealed to meet NEMA 4 and 12 and IP 65 standards
DURABILITY	
Surface Durability:	> 3H IAW ASTM D3363
Expected Life:	Tested to > 35 million touch cycles (min.), tapping Tested to > 1 million touch cycles (min.), slid



NOTE: This drawing and information contained hereon are the property of Valmark Industries, Incorporated and must not be copied or disclosed either wholly or in part without written permission of Valmark Industries, Incorporated

### Resistive Touch Screen, Typical Layout



#### NOTES: UNLESS OTHERWISE SPECIFIED

- Valmark may, at its discretion unless otherwise noted, substitute any materials or BOM components with equivalent or similar materials and/or components based on control of cost or availability.
- Touch Screen to be 5-wire or 4-wire resistive, analog.
- Chemically strengthened glass thickness: 0.071" nominal.
- Finished part thickness 0.085" +/- .005 (nominal) max. thickness at tail exit = 0.120 +/- .005
- Product label to be attached to front side of ribbon cable
- Cable attached to left side of touchscreen at center point as shown, or as required.
- Small barcode label to be placed on front side of cable as shown.
- Standard Valmark tolerance apply.

#### UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE:

Angles +/- 0.5  
3 Place Decimals +/- 0.015  
2 place Decimals +/- 0.01

#### THIRD ANGLE PROJECTION

