

# SWB-86-TP

## Ruggedized mobile keyboard with small footprint



The SWB-86-TP keyboard offer users a ruggedized keyboard with a small footprint suited for high data-entry. This latest addition to the WB line has the tactile feel of a standard desktop keyboard, while maintaining the rugged durability of all iKey products. With red LED backlit keys and laser etched legend, the WB-86-TP is well suited for low light environments. Featuring an integrated touchpad, this easy to install unit has a USB interface and is completely plug-and-play with no additional drivers needed.

The SWB-86-TP is ideal for in-vehicle applications. It can be easily be integrated into a three-piece mobile computing solution with iKey's new line of rugged, day light-readable, touchscreen displays. Like all of iKey's products, the SWB-86-TP is fully sealed to NEMA 4X specifications, making it resistant to accidental spills, easy to clean, and impermeable to corrosives.

For product demos and features, visit [iKey's YouTube channel](#).

### Technical Specifications

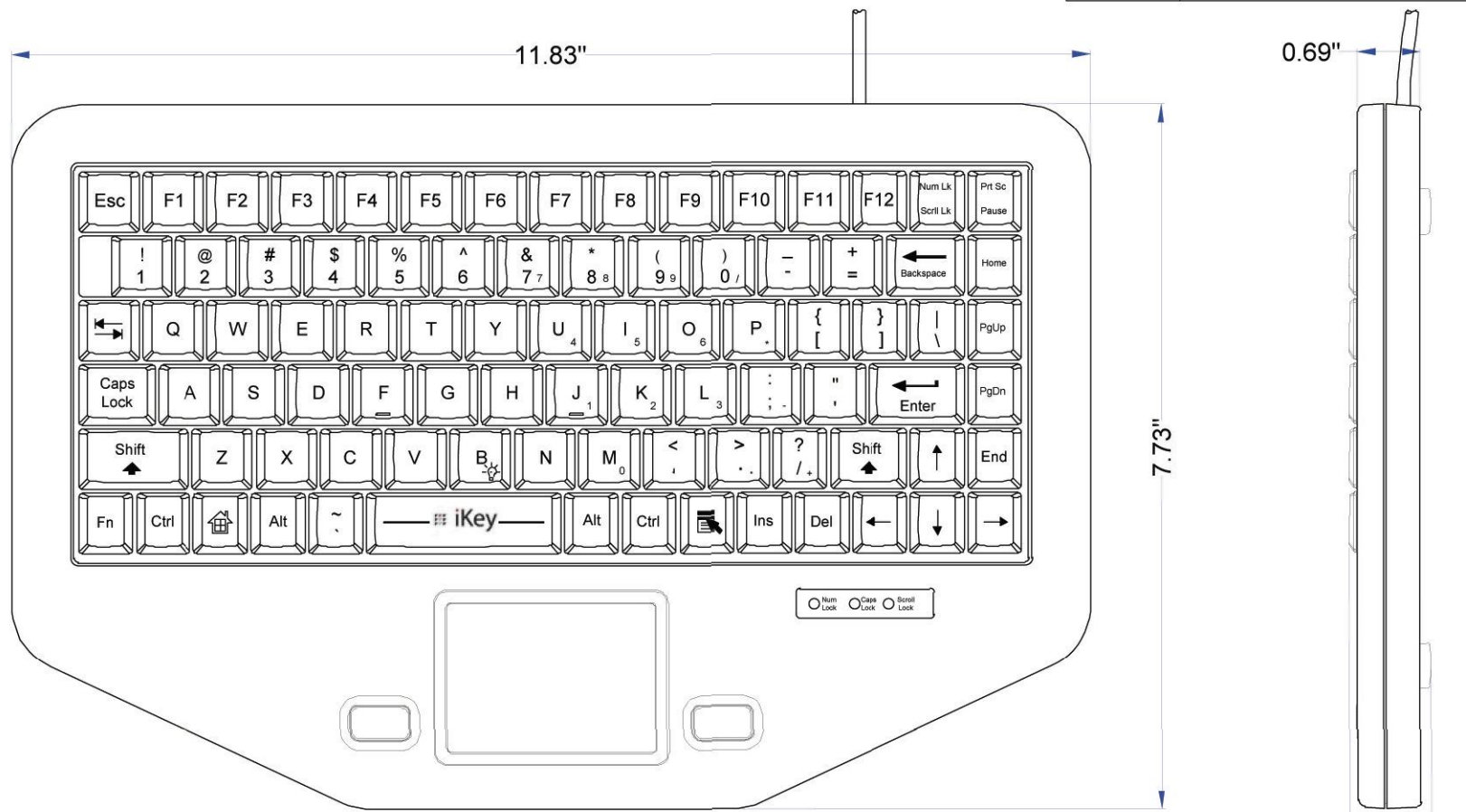
Shock	3 X 11 ms pulses of 50g on each of 3 axis
Key Switch	MATERIAL: ABS/Polycarbonate LIFE: Greater Than 10 Million Cycles TRAVEL: 0.095 in. ACTUATION FORCE: 6.35 oz. +/- 1.06oz (180g +/- 30g) FEEDBACK: Tactile with Mechanical Snap
Vibration	POWER SPECTRAL DENSITY: .04g/HZ FREQUENCY RANGE: 20Hz-2Khz DURATION OF TEST PER AXIS: 3 hours
Power	USB: 200mA@5V (from CPU port)
Temperature Range	Storage: -40F to +194F (-40C to +90C) Operating: -40F to +158F (-40C to +70C)
Warranty	1 Year Limited Warranty
Humidity	100%
Dimensions	11.86" x 7.73" x 0.90"

### Features and Benefits

- Meets NEMA 4X (IP65) Specifications
- Polycarbonate Case with Mounting Holes
- Small Footprint Design
- Integrated Touchpad
- Red LED Backlit Keys
- Full-travel Keystroke

# SWB-86-TP

DATE	CHANGES	INTL	REV
11.22.11	Original	TWH	1.0



### KEY SWITCH

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 TRAVEL: 0.095 in.  
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### TEMPERATURE RANGE

STORAGE: -40°F to +194°F (-40°C to +90°C)  
 OPERATING: -40°F to +158°F (-40°C to +70°C)

### VIBRATION

POWER SPECTRAL DENSITY: .04g/HZ  
 FREQUENCY RANGE: 20Hz-2KHz  
 DURATION OF TEST PER AXIS: 3 hours

### SHOCK

3 X 11 ms pulses of 50g on each of 3 axis

### POWER

USB: 200mA@5V (from CPU port)

### HUMIDITY

100% Humidity Resistant

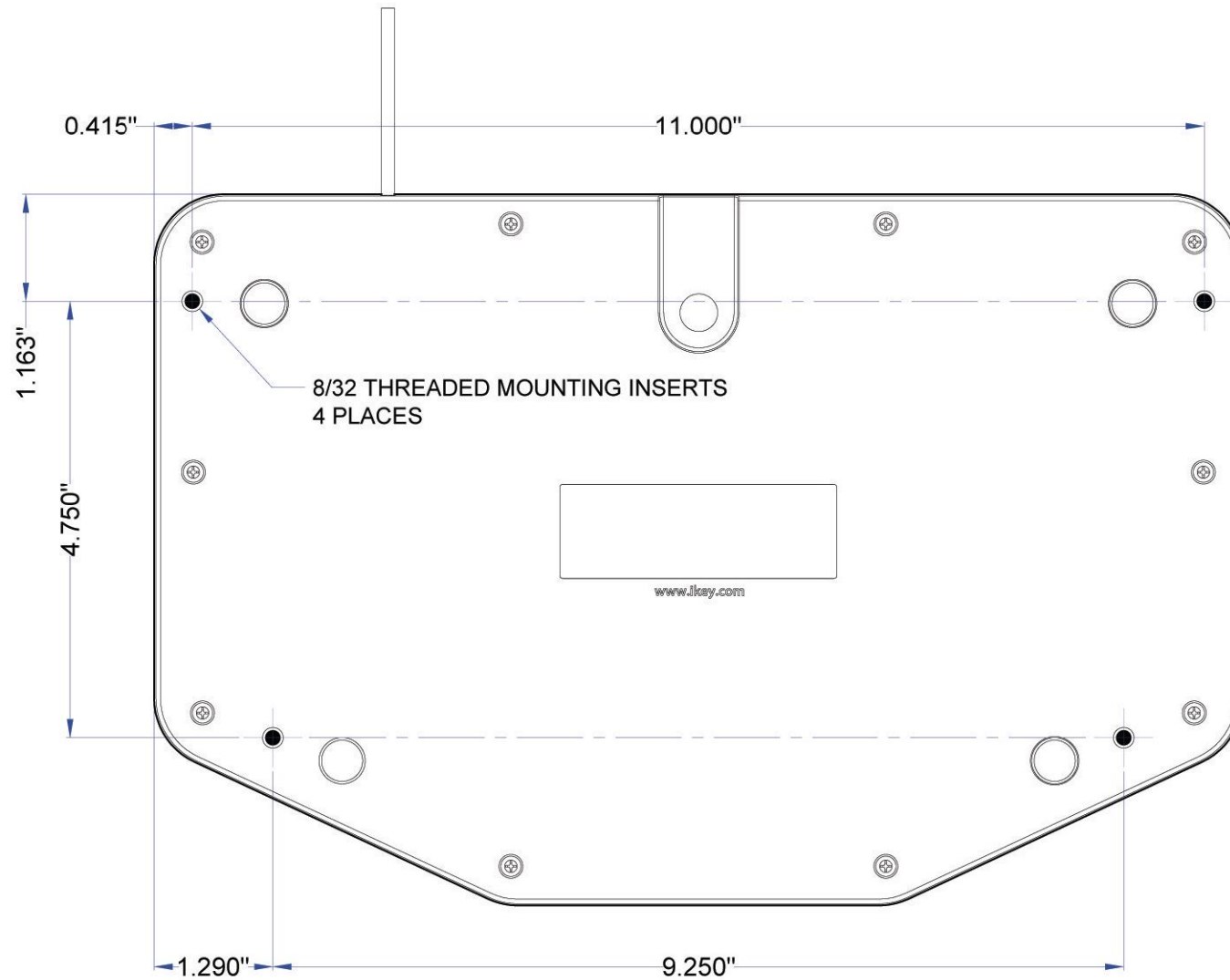
### WEIGHT

TBD

PROPRIETARY AND CONFIDENTIAL

Part Number: SWB-86-TP	Drawing Number: PAD0285	Sheet: 1 OF 1
Drawing Title: SWB-86-TP-MKT	Revision: 1.0	Date: 11.22.2011 TWH

# SWB-86-TP MOUNTING



PROPRIETARY AND CONFIDENTIAL

Part Number: SWB-86-TP

Drawing Number: PAD0285

Sheet: 1 OF 1

Drawing Title: SWB-86-TP-MKT

Revision: 1.0

Date: 11.22.2011

TWH



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