

Reimagining the User Experience

Touch Encoder Flush Mount





KEY FEATURES

- Replaces many traditional user input devices (such as switches, keypads, pushbuttons, displays, etc.) with a simple, easy to use device
- Optimal front panel footprint
- Supported gestures: Tap + Swipe + Turn
- High resolution display: 320 X 300
- Quick user interface development
 - Intuitive tablet based development platform
 - Library of configurable standard widgets
 - Incorporates pictures: PNG, JPEG, etc.

MATERIALS

- Cover lens: polyester/glass
- Rear housing: nylon
- Mounting nut: nylon
- RoHS 2018/863 compliant

- Stores hundreds of screens (32MB memory)
- Field upgradable application and firmware
- Robust: sealed to IP67, high impact strength, chemical resistant
- USB 2.0 or CAN J1939 communications with host device
- Easy panel installation: Either mounting nut or adhesive install for minimal behind panel thickness

TOUCHSCREEN/DISPLAY

- Optically bonded display and touchscreen for excellent sunlight readability
- Touchscreen construction: ITO

Bulletin 1329 Rev0220

Preliminary

General

| Device Diameter (O.D.): 2.330in [59.18mm] Nominal - Glass Lens |
|--|
| Device Diameter (0.D.): 2.370in [60.20mm] Nominal - Plastic Lens |
| Display Diameter (V.A.): 1.30in [33.02 mm Nominal |
| Touchscreen: Projected Capacitive |
| Display - Type: Round Color TFT LCD, 320 X 300 |
| Display - Brightness: 200 Cd/m2 Nominal |
| Connector Style: Molex - 53047-0710 |
| Behind Panel Depth: 0.577in [14.65mm] Nominal - Glass Lens |
| Behind Panel Depth: 0.825in [20.96mm] Nominal - Plastic Lens |
| |

Mechanical

Environmental

| | Operating Temp. Range: -20 to 65 °C |
|---|--|
| | Storage Temperature: -30 to 70 °C |
| | Humidity: 95% @ 65 °C |
| | Mechanical Shock: ANSI EP455 5.14.1 |
| | Seal (Electronics): IP67 Above Panel |
| | Radiated Immunity: IEC 61000-4-3 80 - 2700 MHz 10 V/M |
| | Conducted Immunity: IEC 61000-4-6 LEVEL 2 - 130 dBµV, 150 KHz to 80 MHz |
| | ESD: IEC 61000-4-2: 8 kV Contact; 15 kV Air |
| | Vibration (Random): ANSI EP455 5.15.2; 2hr Each Axis |
| | Chemical Resistance: Designed to survive repeated exposure to most chemicals found in Medical, Off-Highway, and Industrial applications |
| - | Solar Radiation: ISO 4892.2 Method B |
| | Power Frequency Magnetic Field: Meets IEC 61000-4-8, 100 A/m |
| | Electrical Fast Transient/Burst: IEC 61000-4-4 ±1kV Coupling Clamp |
| | Conducted Emissions: EN 55011, EN55032 Class B |
| | Radiated Emissions: EN 55011, EN55032 FCC Part 15 Class B |

Preliminary

Part Numbers

Electrical Function Operating Voltage: 4.75 to 18 Vdc;

Standby Power Mode: < 100 mW Sleep Mode Wakeup Time: 500 mSec Boot Time: 5 Seconds to 0.S.

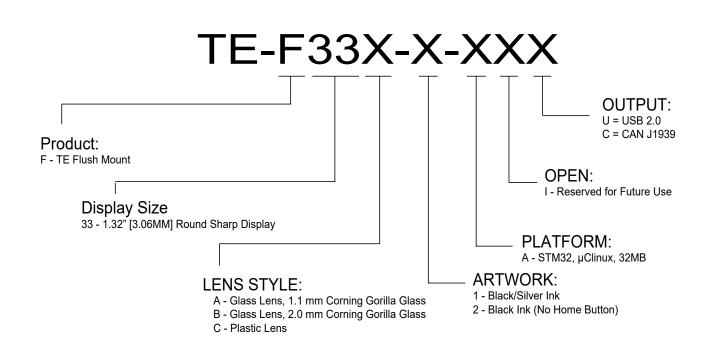
CANbus Interface: J1939 Compliant

Memory: 32MB

Max Operating Power: 1.5 W @ Max Brightness

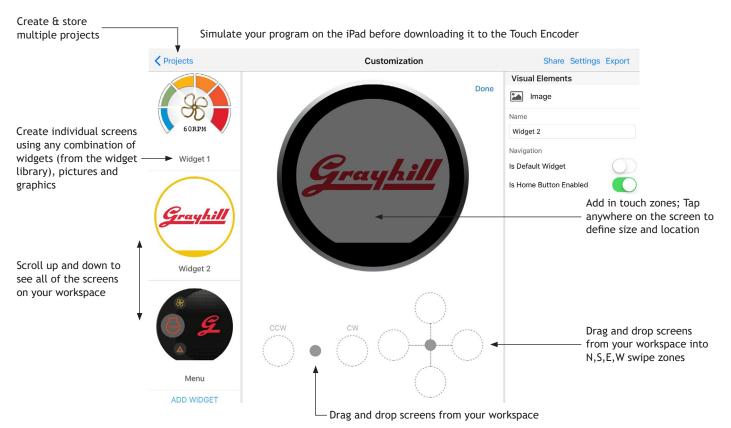
USB Interface: 2.0 Full Speed Composite Device

For more information, contact us at TE@grayhill.com



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Simple, Intuitive Application Development using Grayhill App (GH TE-MX)



Fully Customizable Standard Widgets

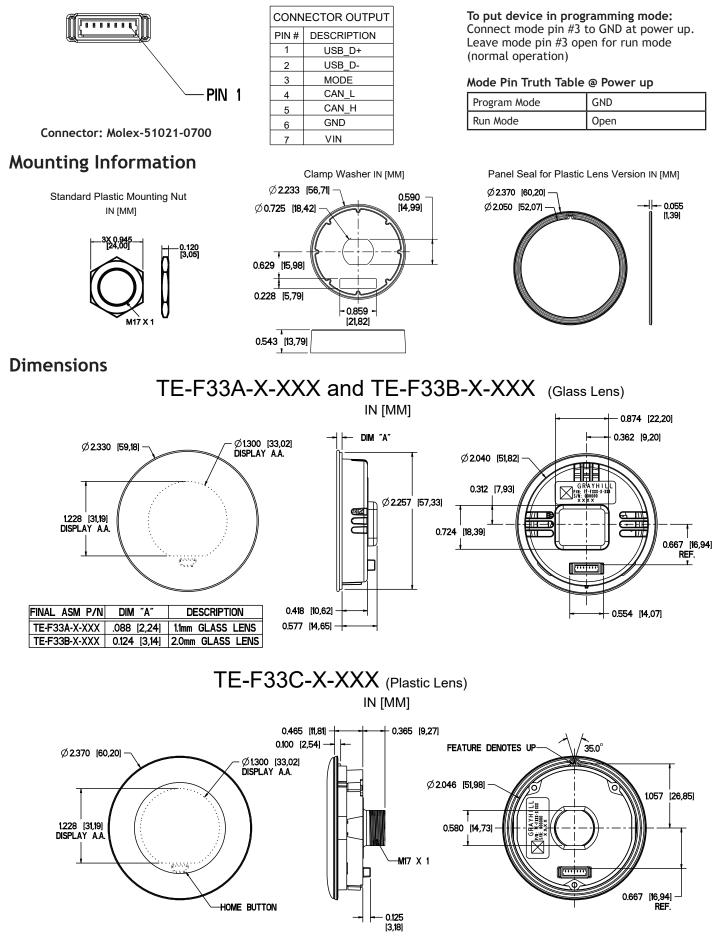


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Patents Applied and Pending

Pin Numbering Detail



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