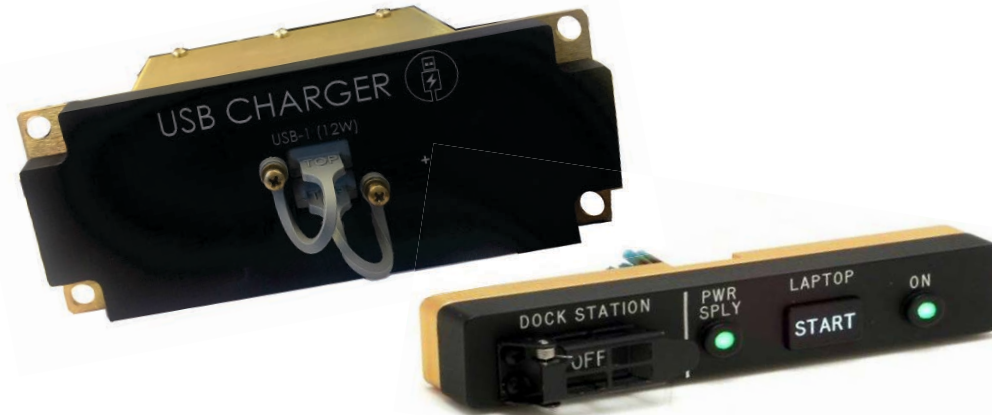
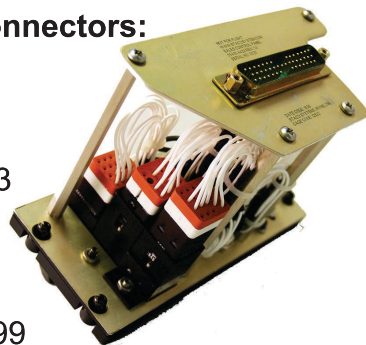




CUSTOM CONTROL PANEL ASSEMBLIES

- **Enclosure types:**
 - ▶ Open (shown above)
 - ▶ Closed:
 - ▶ Bent sheet metal
 - ▶ Machined aluminum: sealed (IP67), added structural strength
- **Interface & Connectors:**
 - ▶ RS232
 - ▶ RS422
 - ▶ ARINC 429
 - ▶ MIL-STD-1533
 - ▶ Ethernet
 - ▶ RJ45
 - ▶ Circular
 - ▶ MIL-DTL-38999
 - ▶ MIL-DTL-24308 DSUB
- **Mounting:**
 - ▶ Console mount
 - ▶ Rail / rack mount
 - ▶ Waterproof mount
- **Custom Harnessing & Cabling:**
 - ▶ Incl. IPC + J-STD certified soldering
- **Unlimited applications including:**
 - ▶ Simulation, Training
 - ▶ Avionics, Marine, Ground Vehicles
 - ▶ Commercial, Military



COMPONENT OPTIONS CHECKLIST:

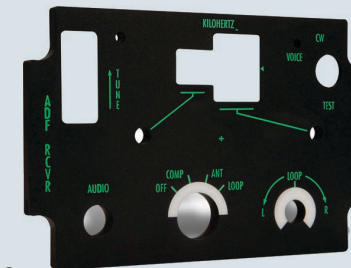
SWITCHES

- **Pushbutton:**
 - ▶ Switch action: alternate, momentary or indicator
 - ▶ Circuitry: single pole, double pole, four pole
 - ▶ Voltage: 5V, 28V
 - ▶ Bus config.: horizontal, vertical, top, bottom, right, left
 - ▶ Ground: common lamp ground, split lamp ground
 - ▶ Lamp type: incandescent, LED, high-bright multichip
 - ▶ Termination: PCB, crimp pin, solder
 - ▶ Sealing: solvent resistant, watertight, standard
 - ▶ Display: horizontal/vertical split, full screen, 2/3/4-way
 - ▶ Legend: illuminated, non-illuminated, color
 - ▶ Character size: .072" to .145"
 - ▶ Switch size and depth
 - ▶ Switch guards: transparent, metal, custom
- **Rotary:**
 - ▶ Single deck, multideck, keylock
 - ▶ Rotary encoder
 - ▶ Hand grip rotary
- **Toggle:**
 - ▶ Lever lock
 - ▶ Standard
- **Others:**
 - ▶ Dome switch
 - ▶ Rocker switch
 - ▶ Marine grade
 - ▶ Tachometer
 - ▶ Potentiometer
 - ▶ Emergency stop switch
 - ▶ Relay
 - ▶ Key switch
 - ▶ Thumbwheel



LIGHT PLATES

- **Surface Type:**
 - ▶ Traditional painted acrylic
 - ▶ Patented wear-resistant polymer
- **Assembly Type:**
 - ▶ Type V - Incandescent
 - ▶ Type VII - NVIS
 - ▶ Other MIL-STD-7788
- **Sun light readable:**
 - ▶ Background gloss
 - ▶ Hidden legends
 - ▶ Contrasting legends
 - ▶ Hidden indicator lights
- **Colors and Lighting:**
 - ▶ Panel color FED-STD-595, BAC, grey, black, other
 - ▶ Text color unlit FED-STD-595
 - ▶ Text lit color, white, blue white red, green other NVIS
 - ▶ Lighting: NVIS compliant, LED or incandescent
- **Others:**
 - ▶ Thickness: follows 7788 requirements
 - ▶ Termination: connector, flying leads, bi pin
 - ▶ Mounting style, front removable
 - ▶ Fonts: customizable, unlimited
 - ▶ Unlimited languages, graphics
 - ▶ Sealed: water resistant



DATA ENTRY

Custom keypads & keyboards with multiple languages

- **Mounting Type:**
 - ▶ Panel mount
 - ▶ Drawer mount
 - ▶ Desktop keyboard
- **Backlighting options:**
 - ▶ Standard LED
 - ▶ NVIS
 - ▶ Dimming: 5-level, custom
- **Interface:**
 - ▶ USB 2.0 / 3.0
 - ▶ PS/2
 - ▶ Serial RS232 / RS422 / RS485
- **Environmental requirements:**
 - ▶ EMI/RFI
 - ▶ Rugged / standard
 - ▶ IP65 / IP66 / IP67 / NEMA 4
- **Key requirements:**
 - ▶ Material: Plastic, rubber, silicone, metal, custom
 - ▶ Custom layout, keycap, print legends, tactile feel
- **Pointing device requirements:**
 - ▶ Touch pad with / without glove touchable
 - ▶ HulaPoint
 - ▶ Trackball
 - ▶ Separate pointing device

