BLUETOOTH JACK

Overview

The Amphenol PCD Bluetooth Jack provides a Bluetooth® connectivity to add to or extend the wireless connectivity of Inflight Entertainment (IFE) and media systems. It allows data and audio streaming to passenger headphones, headsets and game controllers via Bluetooth 5.0. The Amphenol PCD Bluetooth Jack can simultaneously connect headphones and game controllers for a true inflight wireless gameplay experience. The Bluetooth Jack comes in a range of formfactors and is small, light-weight and low power. The Amphenol Bluetooth Jack connects to the Inflight Entertainment System or media system with a simple USB 2.0 interface. This will provide seamless integration to new and existing IFE systems.

Features

Add Bluetooth® connectivity to extend the wireless capability of IFE and other media systems
Simultaneously connect passenger Bluetooth headphones and game controllers for a true inflight wireless experience
Supports Bluetooth wireless headsets for two-way communication
Drop in replacement for traditional audio jacks
Optional 3.5mm audio pass through for backwards compatibility with wired headphones
Small formfactors and light-weight for easy integration
Simple USB interface for easy configuration to new or existing IFE systems

Specifications

Application	Headphones, headsets and game controllers
Bluetooth® version	5.0
Modes	Classic and Bluetooth Low Energy (BLE)
Bluetooth® Profiles	A2DP, HID, AVRCP, HFP, HSP
Audio CODECs	SBC, ACC, AptX™ (License fee)
Input Power	5V @ 60mA or 28V±10% @ 10mA
Comms	USB 2.0 (Android HCI compatible) or Analog audio
3.5mm Audio Output	Optional
Power Consumption	< 0.3W
Dimensions (Square) BT Only #1	38.5mm x 31.5mm x 30.4mm (1.52" x 1.24" x 1.2")
Dimensions (Square) BT + 3.5mm #2	38.5mm x 31.5mm x 30.4mm (1.52" x 1.24" x 1.2")
Dimensions (Hidden) #3	52.2mm x 38.4mm x 13mm (2.06" x 1.51" x 0.51") (Including side mounts)
Weight	< 50g
Qualification	Designed for DO160, FCC

FORM FACTORS		
#1: Seat/Arm Cutout	#2: Seat/Arm Cutout w/ Audio Pass-Through	#3: Internal Seat Mount