

# Ground Blocks

Combining advanced materials with an elegant design, Amphenol PCD's Ground Blocks provide the lightest weight, highest density grounding solution available in the market today. Wired connections are environmentally-sealed, providing protection from moisture, spray, and debris. Unused connections are protected via Amphenol PCD's patented FODSeal Technology, which replaces the sealing plugs - reducing FOD, weight and part count. Amphenol PCD's Ground Blocks are ideal for use in harsh environments typically found in aircraft, ground vehicle and naval applications. So when you need a rugged, reliable, lightweight solution for your grounding scheme, choose Amphenol PCD's Ground Blocks!

## Features and Benefits

### Overmold Technology

Simplifies construction and improves sealing and reliability

### Plastic retention clip - made with VICTREX® PEEK Polymer

Simplifies construction; uses 1 plastic piece vs 6 individual metal pieces

### FODSeal Technology (Patented)

Reduces FOD, part count and weight by eliminating sealing plugs

### Smart Engineering

Weight Savings - up to 0.06 oz per block vs standard designs, yielding up to 2lbs per plane on typical aircraft

## Materials

### Web Membrane

Silicone per A-A-59588, class 2B, 40 durometer. color clear

### Grommet

Silicone per A-A-59588, class 2B, 40 durometer. color grey

### Housing

Glass reinforced polyamide; color red (size 20), blue (size 16)

### Internal Contacts

BeCu C17410, gold per MIL-DTL-45204, Type II, grade C, class I, over nickel per SAE-AMS-QQ-N-290, class I

### Base

Aluminum A380.0. chromate conversion per MIL-DTL-81706, type I, class IA, method C

## Part Number

APCD P/N	With/Without Contacts	Number of Contacts	Contact Size	Boeing P/N
BDX016016-2	Without	12	16	BACC50AN16H
BDX016017-2	With			BACC50AN16
BDX016020-2	Without	16	20	BACC50AN20H
BDX016021-2	With			BACC50AN20

## Ground Block Dimensions

