

Description:

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.



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

FOD Seal 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

Part Numbers

Part Number	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

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

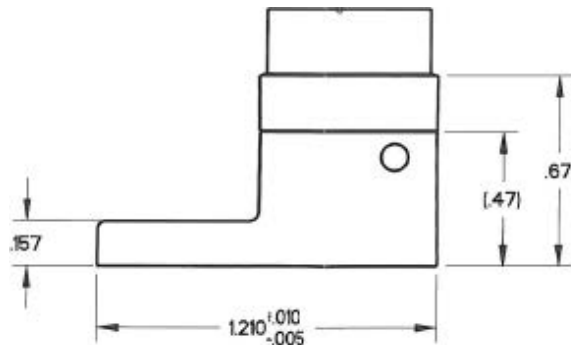
BeCu C17410, gold per MIL-DTL-45204, Type II, grade C, class I, over nickel per SAE-AMS-QQ-N-290, class I

Base

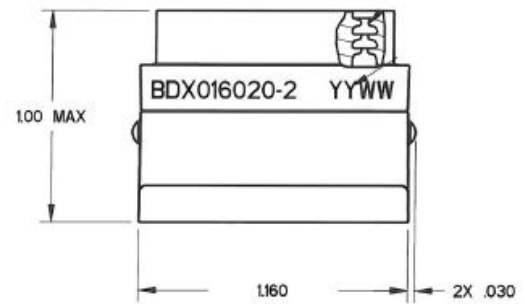
Aluminum A380.0. chromate conversion per MIL-DTL-81706, type I, class IA, method C

Ground Block Dimensions

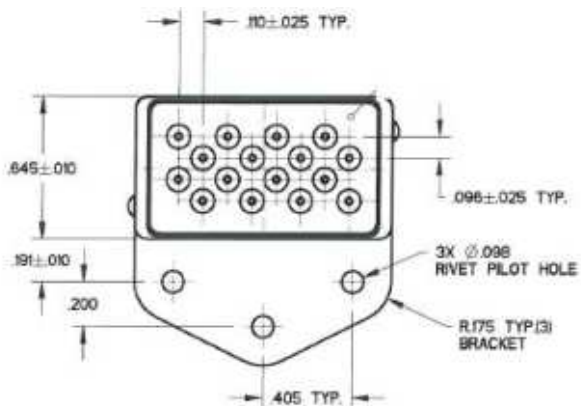
Side View



Front View



Top View Size 20



Top View Size 16

