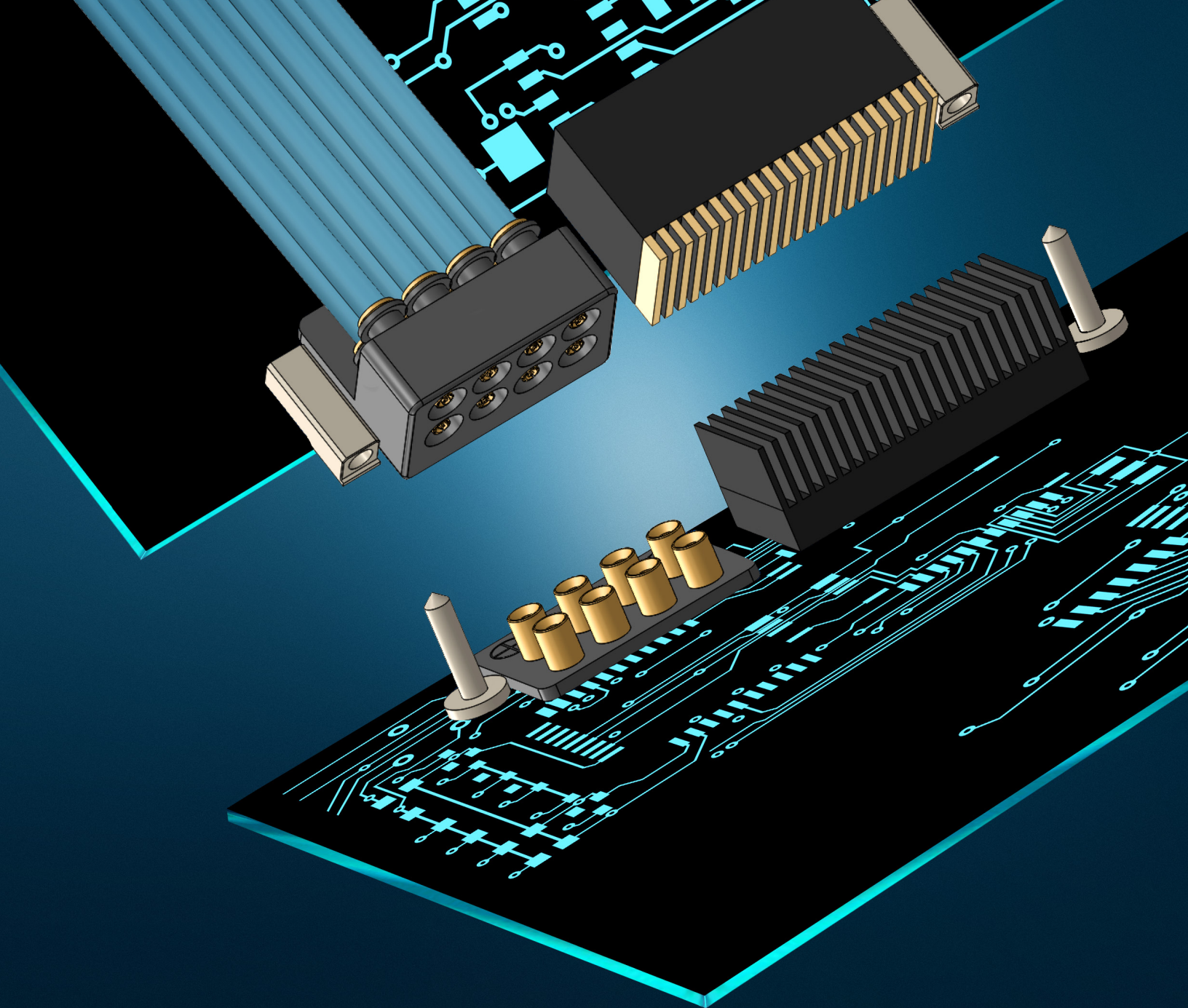
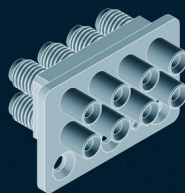


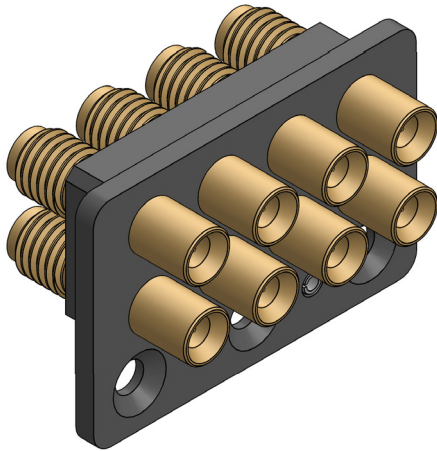


DELTA
Electronics Mfg. Corp.



VITA 67
4 & 8 Position
Housings

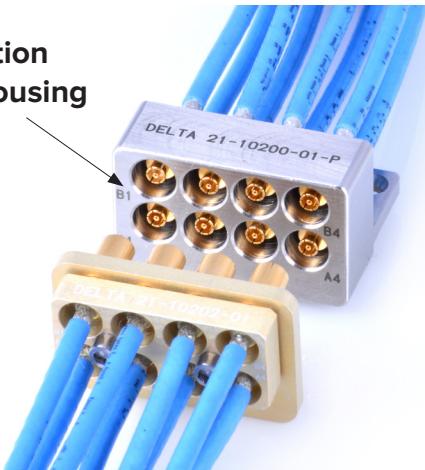
“Experience the Delta Difference.”



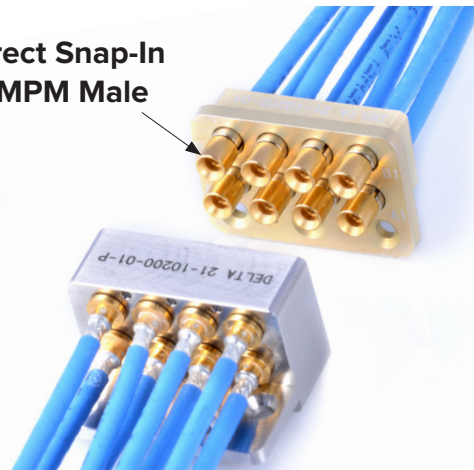
Delta Electronics Manufacturing Corp. introduces 4 position (VITA 67.1) and 8 position (VITA 67.2) RF connector housings designed for 3U and 6U formats within the OpenVPX™ architecture. Ideal for blind mating daughtercards to motherboards, the SMPM RF contacts provide +/- .010" radial misalignment tolerance and excellent return loss up to 40 GHz. Precision machined from either stainless steel or aluminum, the 4 and 8 position housings are available with pre-loaded SMPM adapters or a cost effective, direct snap-in, cable mount SMPM contact. The right angle daughtercard solutions are offered with the direct snap-in SMPM contacts designed for both .047" and .086" flexible semi-rigid cable.

Ideal For Blind Mate Applications

**8 Position
SMPM Housing**



**Direct Snap-In
SMPM Male**



Electrical, Mechanical & Environmental Specifications

Electrical – SMPM Contacts

Characteristic Impedance: 50 ohms

Operating Frequency: DC to 40 GHz

VSWR:

1.25:1 TYP. DC to 26.5 GHz (Connectors Only)

1.4:1 TYP. 26.5 GHz to 40 GHz (Connectors Only)

Insertion Loss: 0.12 * √f (GHz), DC to 26.5 GHz

Isolation: > 100 dB, DC to 26.5 GHz

Operating Voltage: 200 volts AC

Mechanical

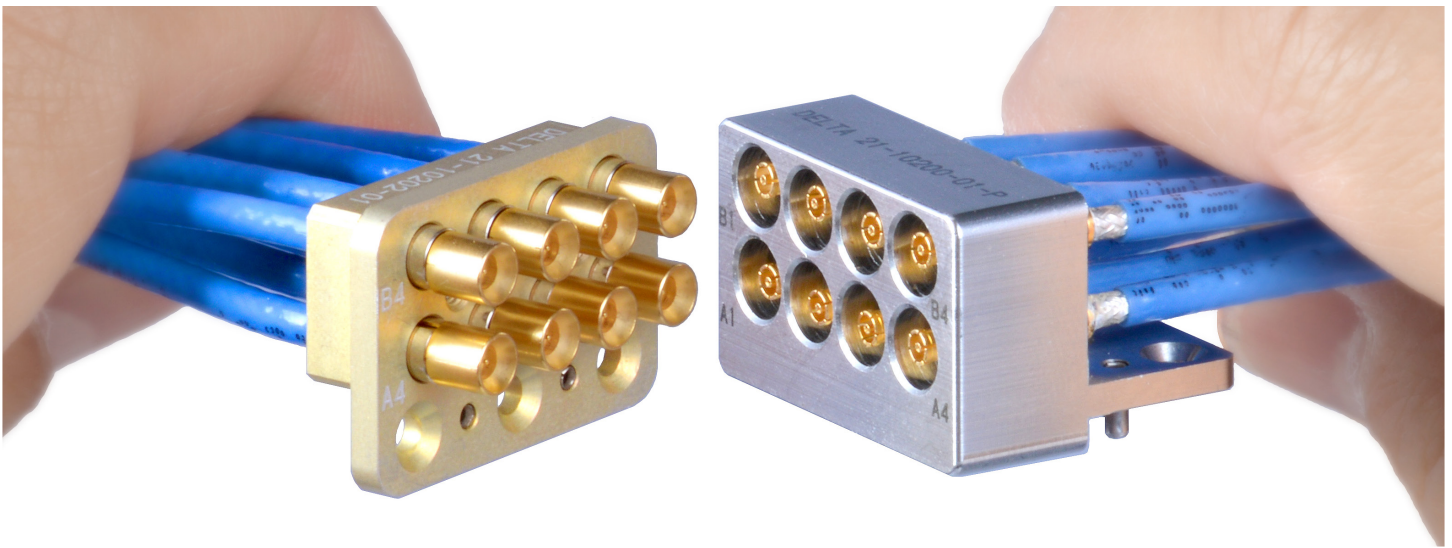
Axial Travel: .079" Min

Radial Float: ±.010" Min

Engage Force: 3.5 lbs (typical per contact)

Environmental

Temperature Range: -55 to 105°C



VITA 67 Product Overview

Vita 67 Applications

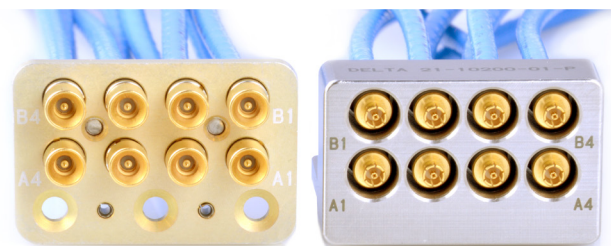
- ▶ VITA OpenVPX™ compliant solution.
- ▶ VITA 67.1: 4 position RF housing.
- ▶ VITA 67.2: 8 position RF housing.
- ▶ Housings machined from stainless steel or aluminum.
- ▶ .240" center-to-center spacing.
- ▶ SMPM dimensions in accordance with Mil-STD-348.
- ▶ SMPM RF contacts operate to 40 GHz.

Motherboard Solutions

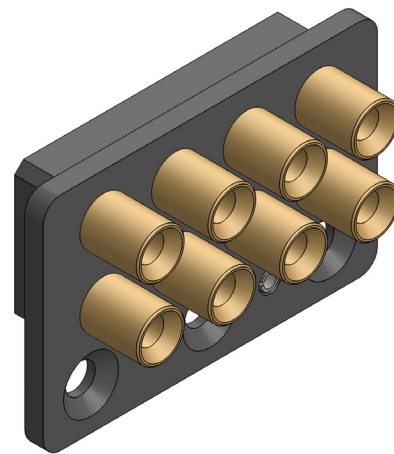
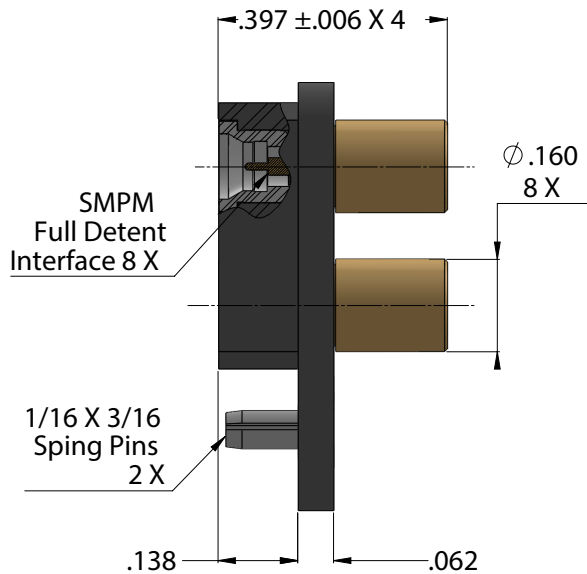
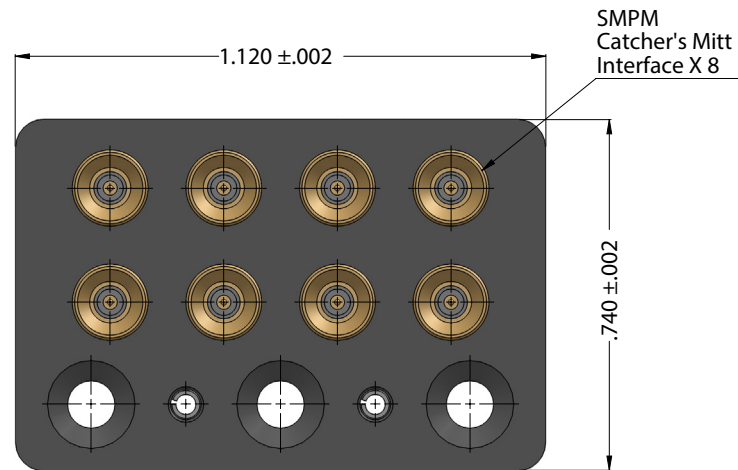
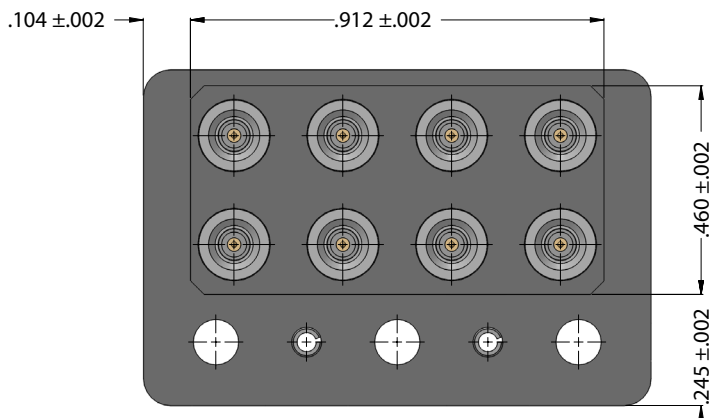
- ▶ Vertical two-piece housings, 4 and 8 positions.
- ▶ **Direct snap-In** SMPM contacts.
 - Designed for either .047" or .086" semi-rigid or flexible equivalent.
 - Cost effective solution eliminating the need for adapters.
 - Improved insertion loss and return loss versus adapter solution.
 - Housings can be selectively loaded.
 - Opposite end of SMPM direct snap-in cable assembly, can be terminated with a variety of Delta RF interfaces.
- ▶ **Jack-to-Jack Adapters**, within and between series.
 - SMPM (Catchers Mitt) to SMPM (Full Detent) Adapters.
 - SMPM (Catchers Mitt) to DM45 Jack Adapters.
 - Housings can be selectively loaded.

Daughterboard Solutions

- ▶ Right angle housings, 4 and 8 positions.
- ▶ **Direct snap-In**, floating SMPM contacts.
 - Designed for either .047" or .086" Semi-Rigid or flexible equivalent.
 - Cost effective solution eliminating the need for adapters.
 - Housings can be selectively loaded.



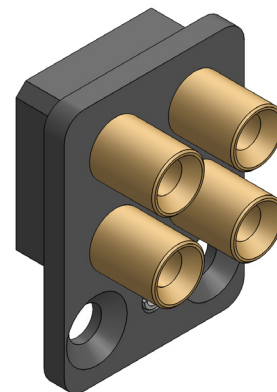
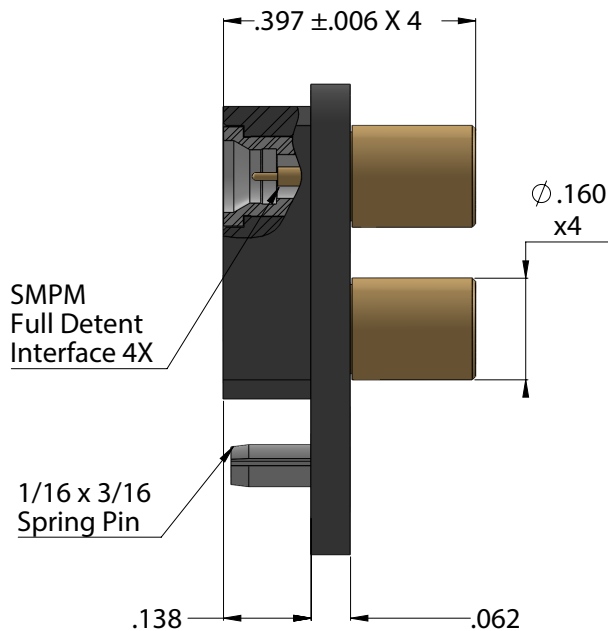
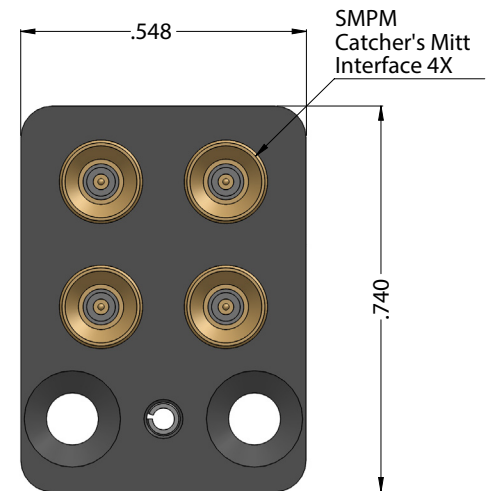
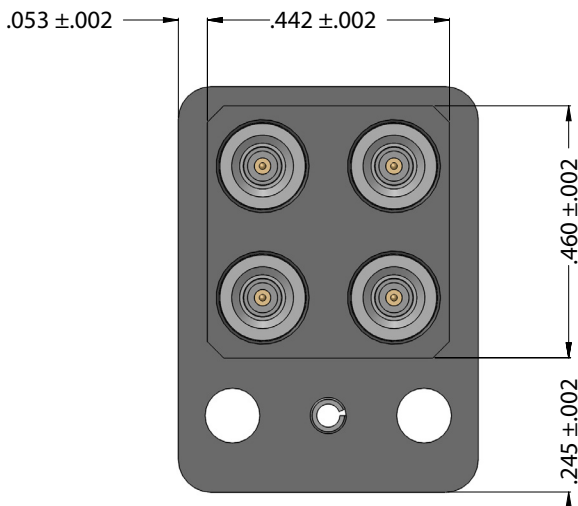
VITA 67 Adapter Interconnects



8827000G001-001

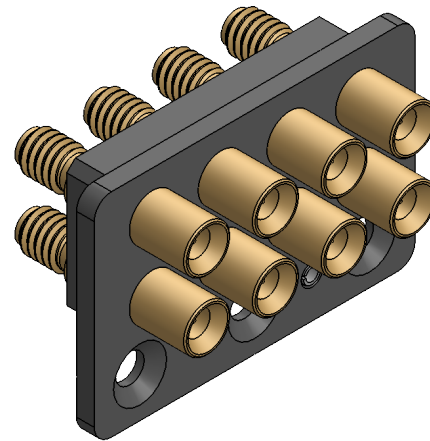
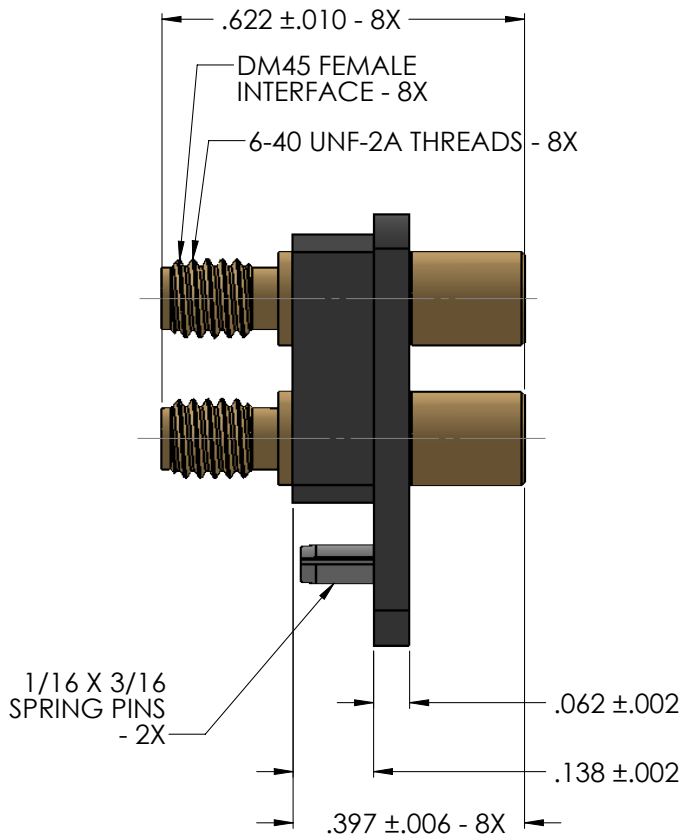
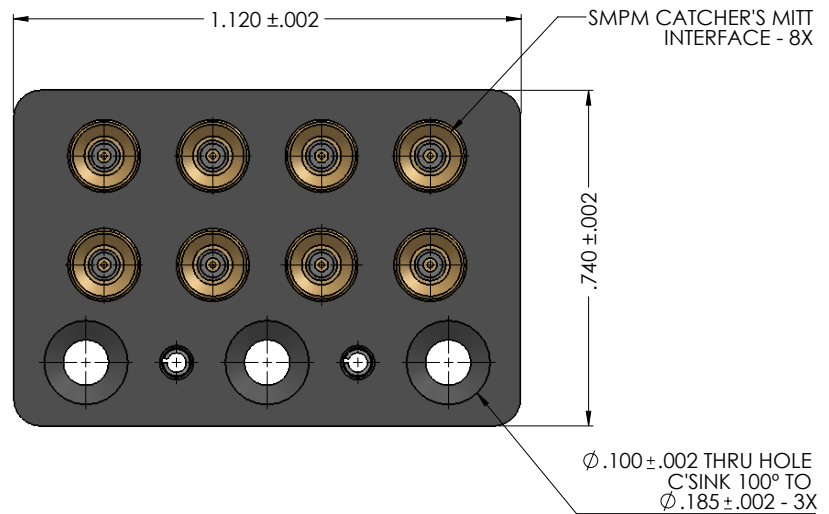
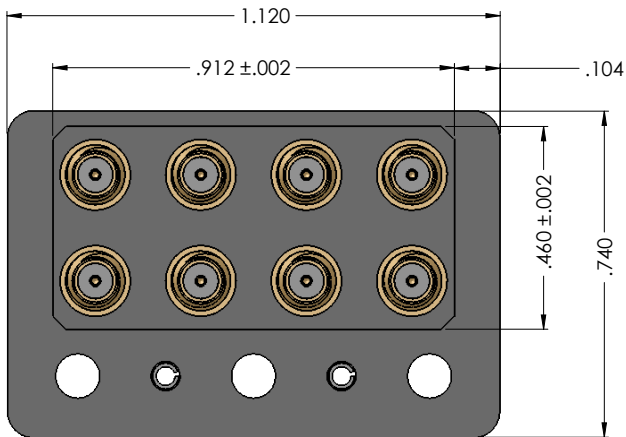
SMPM Male (CM-SB) To SMPM Male (FD)
Adapter Plate - 8 Positions
(Passivate & Gold Plating)

VITA 67 Adapter Interconnects



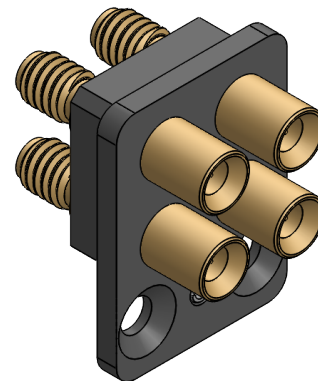
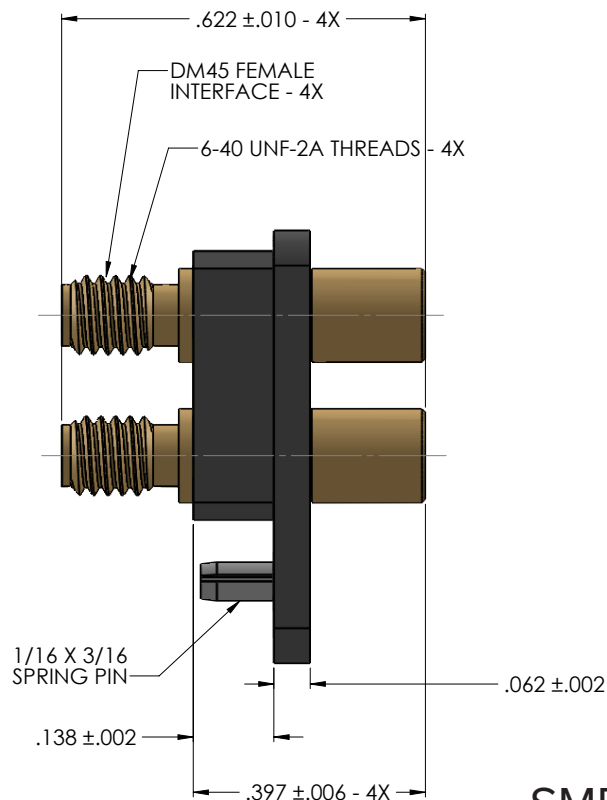
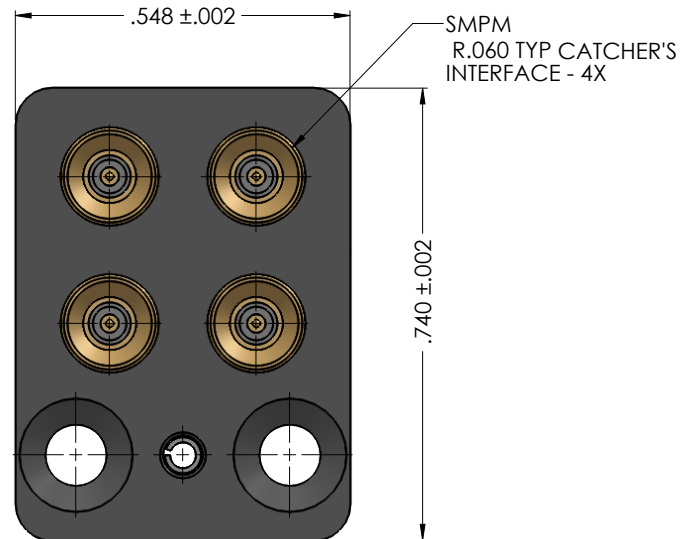
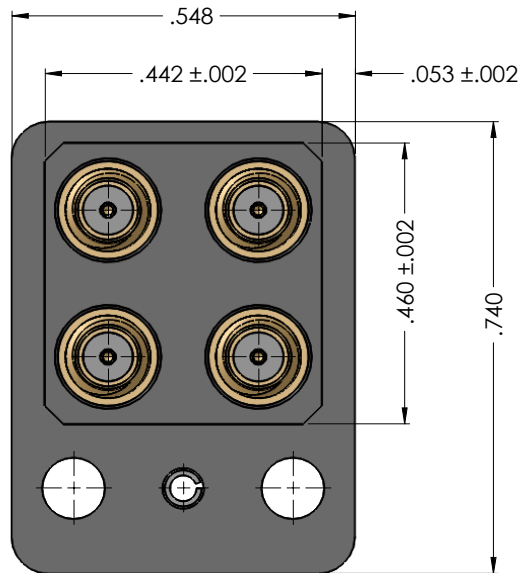
8827000G001-000
SMPM Male (CM-SB) To SMPM Male (FD)
Adapter Plate - 4 Positions
(Passivate & Gold Plating)

VITA 67 Adapter Interconnects



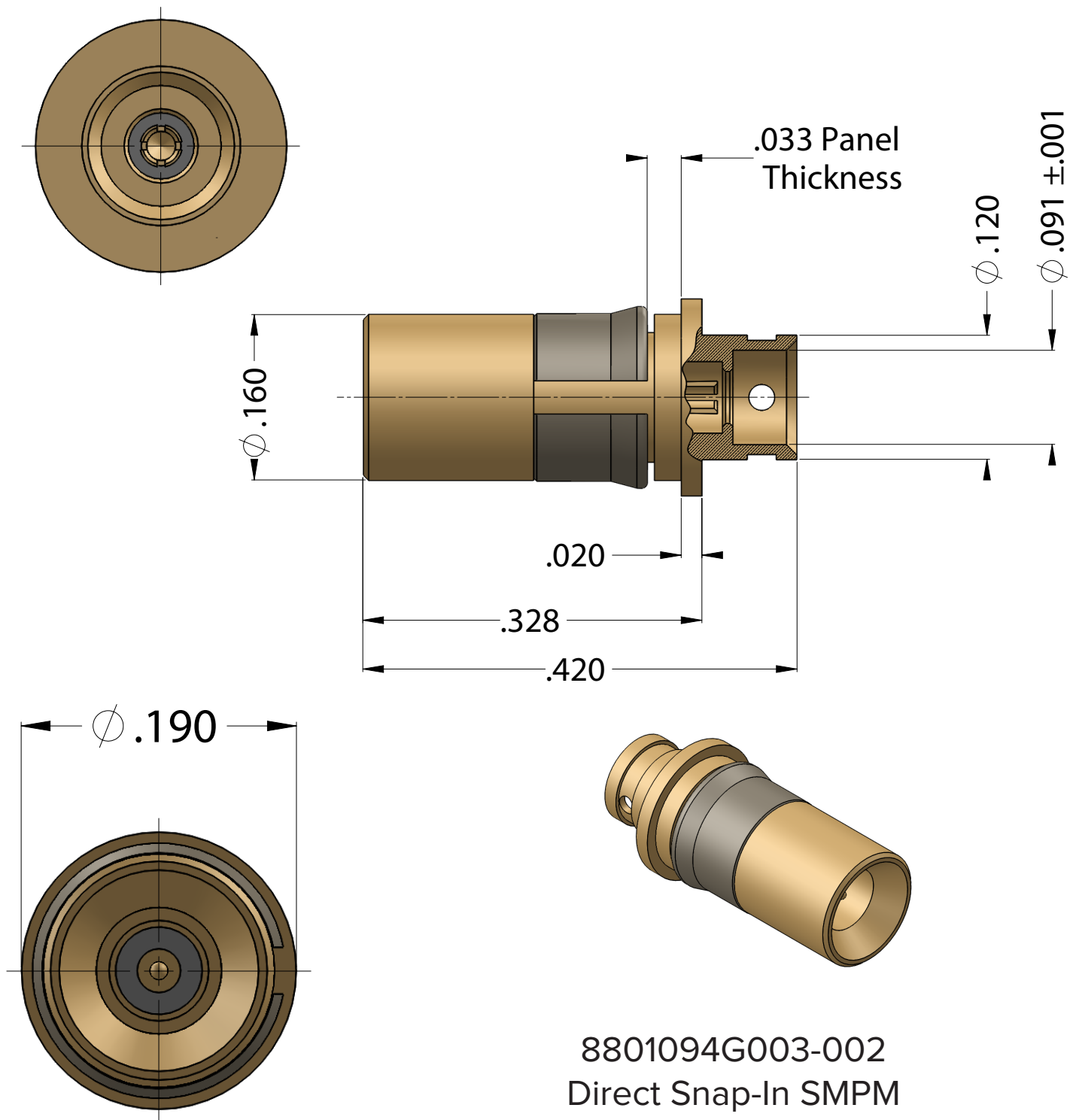
2227000G001-046
SMPM Male (CM-SB) To DM 45 Female
Adapter Plate - 8 Positions
(Passivate & Gold Plating)

VITA 67 Adapter Interconnects



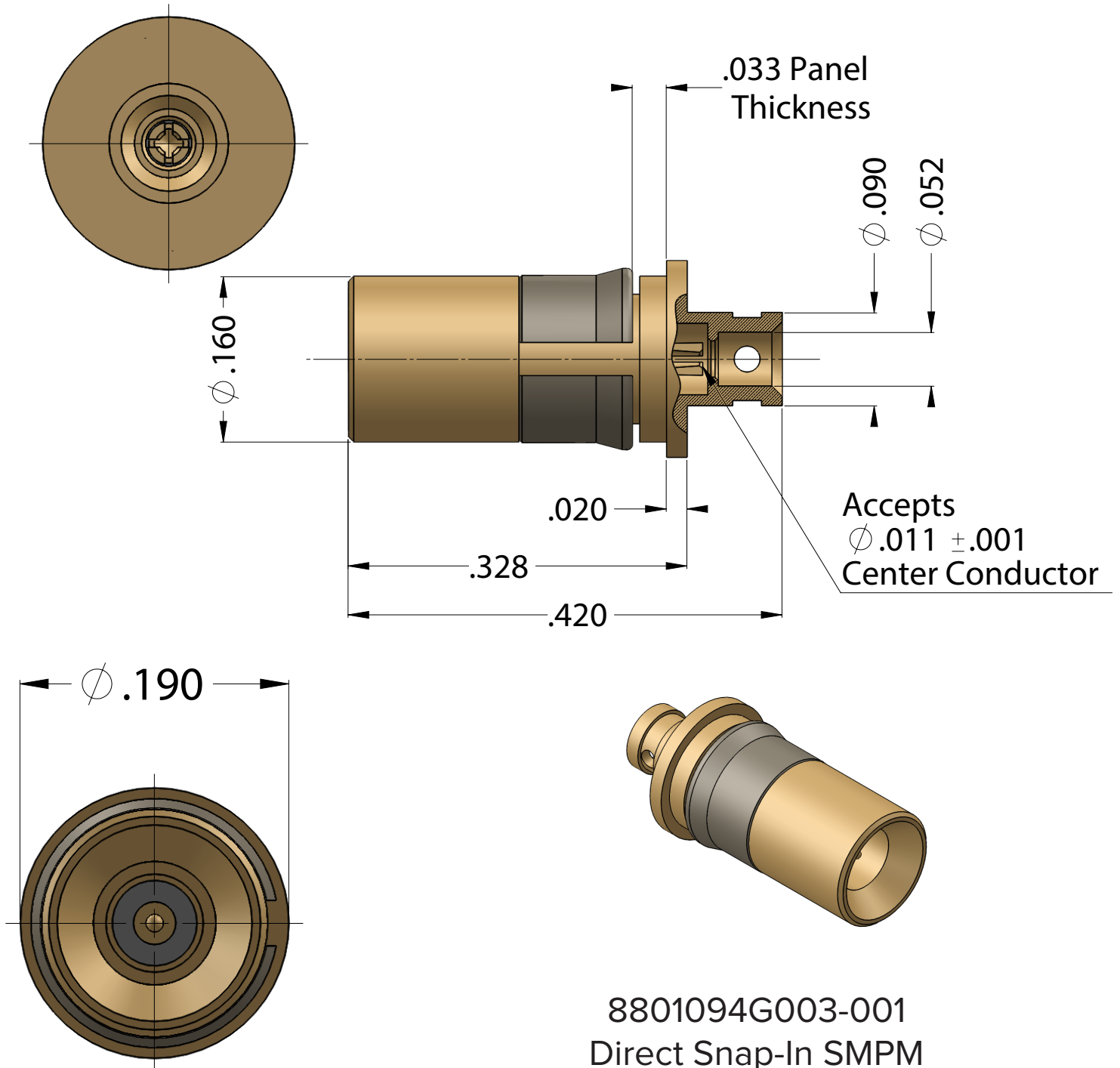
2227000G001-047
SMMPM Male (CM-SB) To DM 45 Female
Adapter Plate - 4 Positions
(Passivate & Gold Plating)

VITA 67 Adapter Interconnects



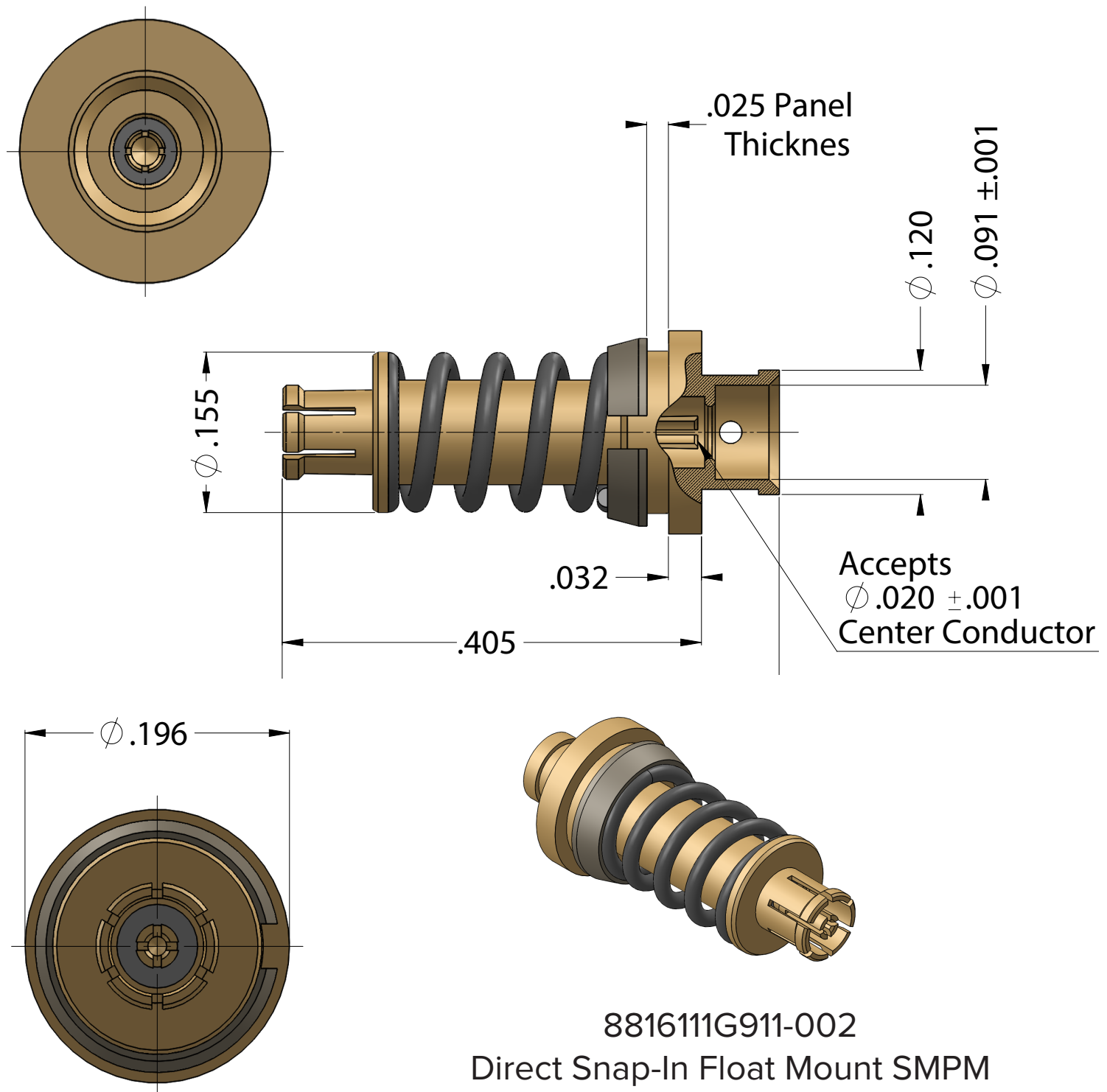
8801094G003-002
Direct Snap-In SMPM
Direct Solder Male - CM
For .085 S.R. Cable (Gold Plating)

VITA 67 Adapter Interconnects



8801094G003-001
Direct Snap-In SMPM
Direct Solder Male - CM
For .047 S.R. Cable or Flex Cable (Gold Plating)

VITA 67 Adapter Interconnects



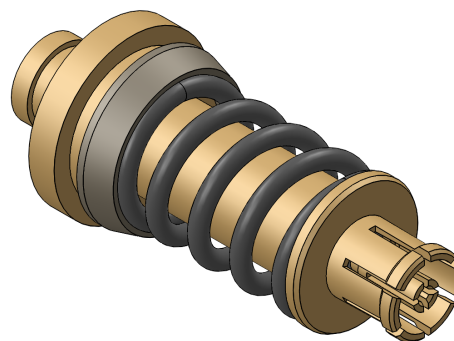
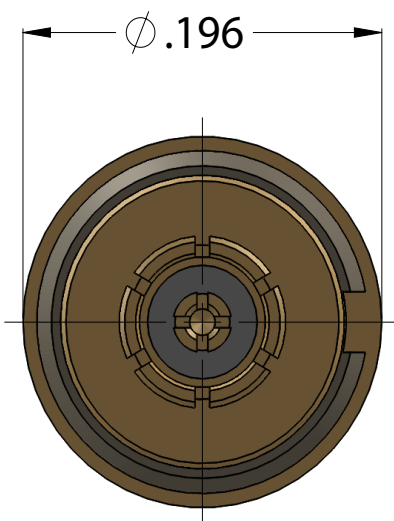
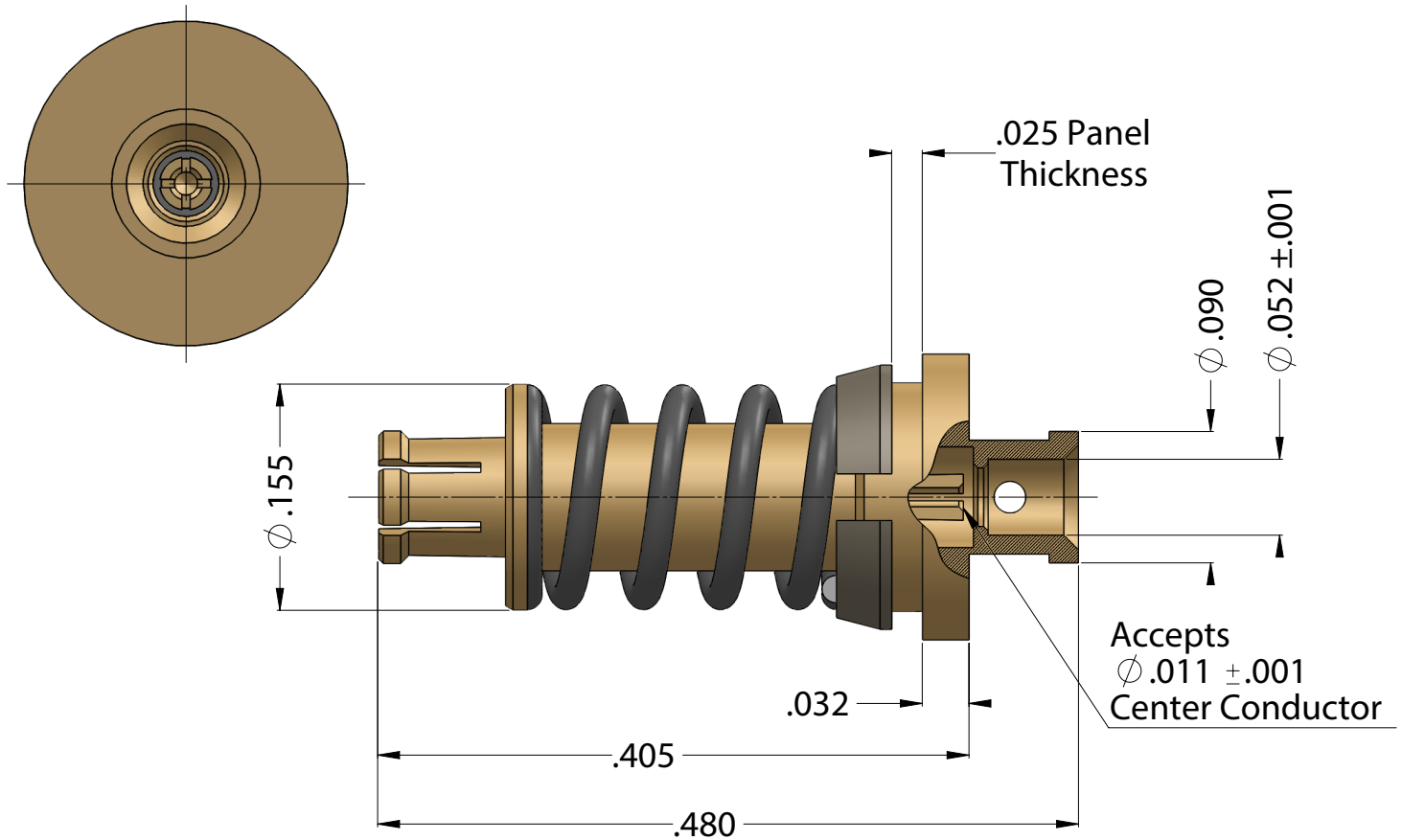
881611G911-002

Direct Snap-In Float Mount SMPM

Direct Solder Female

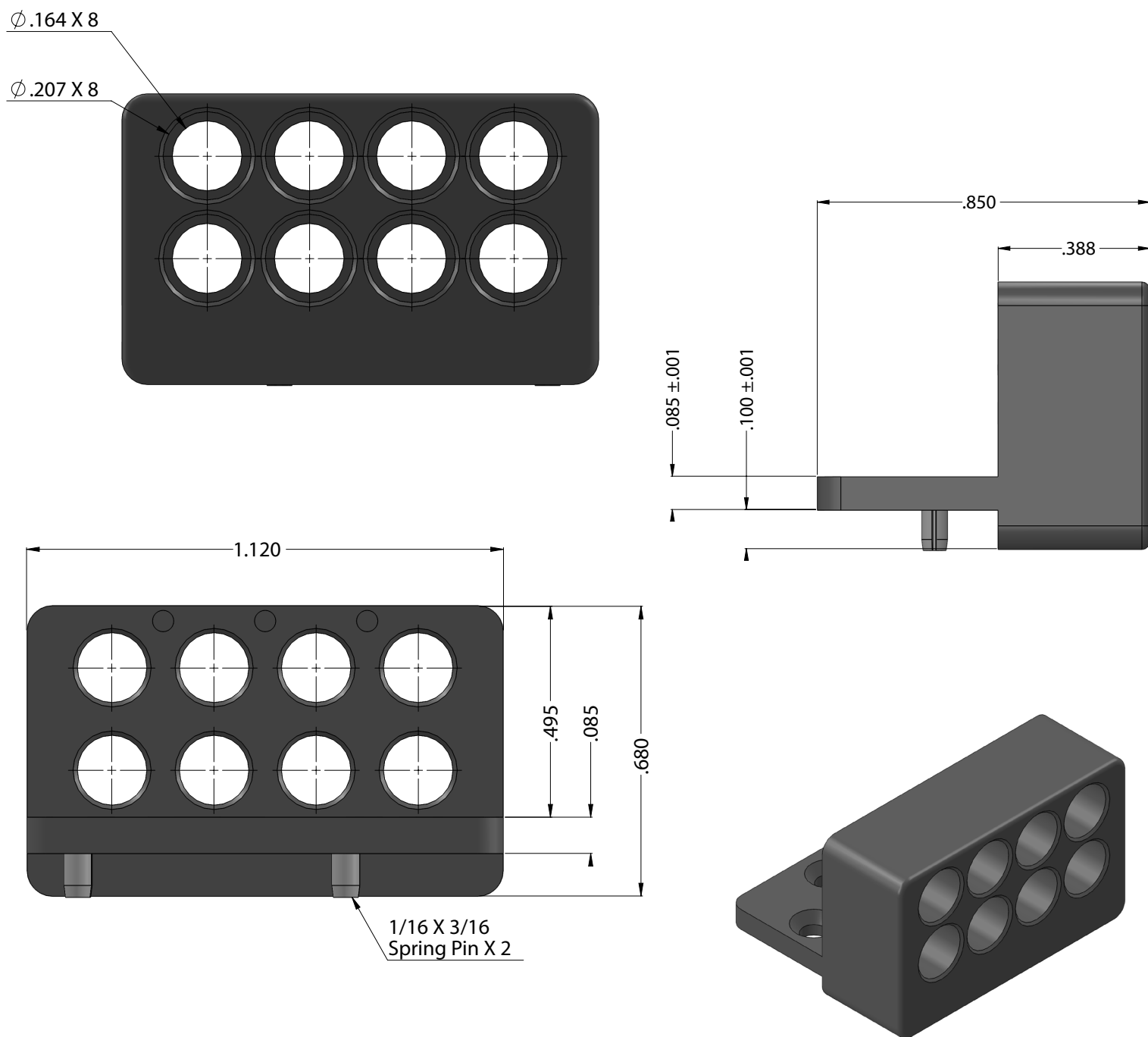
For .085 S.R. Cable (Gold Plating)

VITA 67 Adapter Interconnects



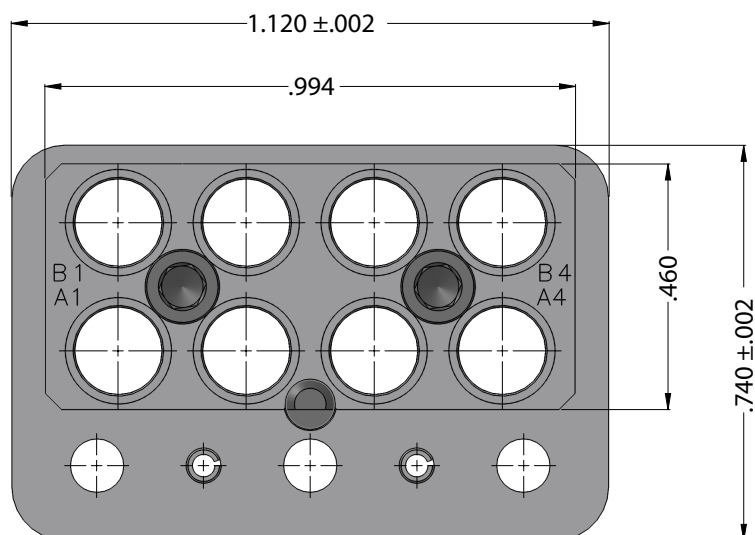
881611G911-001
Direct Snap-In Float Mount SMPM
Direct Solder Female
For .047 S.R. or Flex Cable (Gold Plating)

VITA 67 Adapter Interconnects

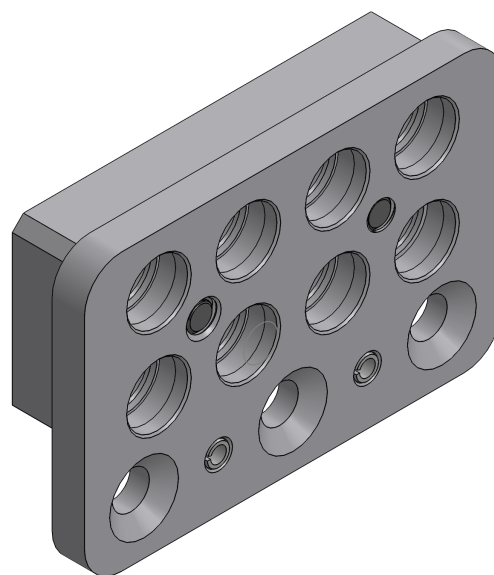
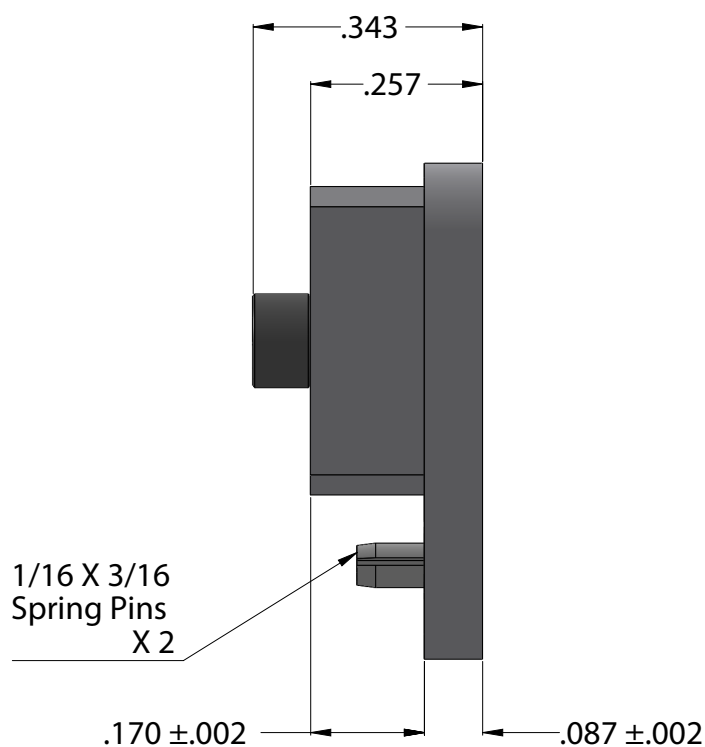
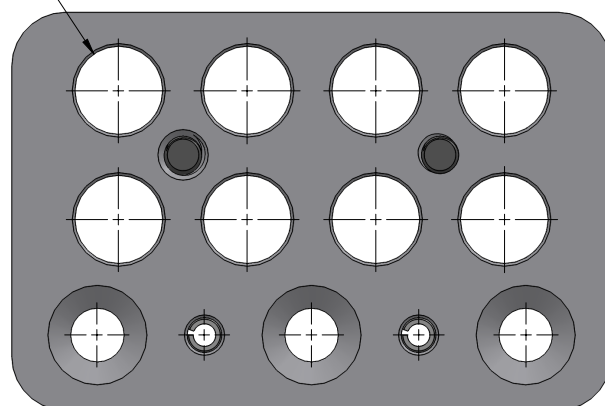


21-10200
Right Angle 8 Position SMPM
Housing

Connector Type

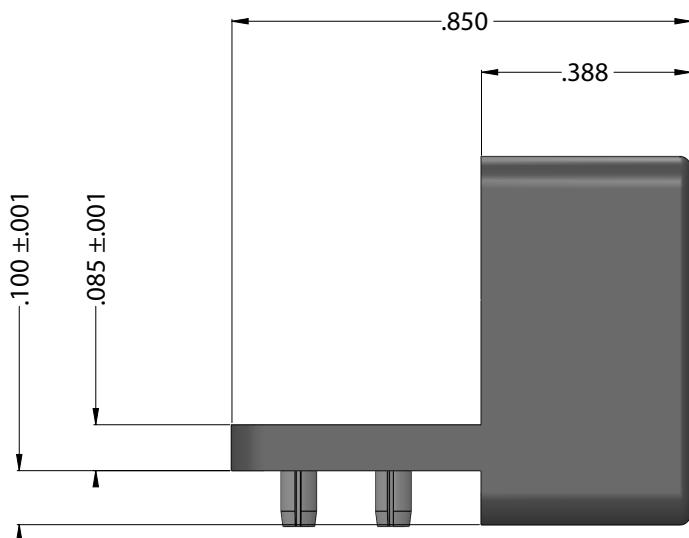
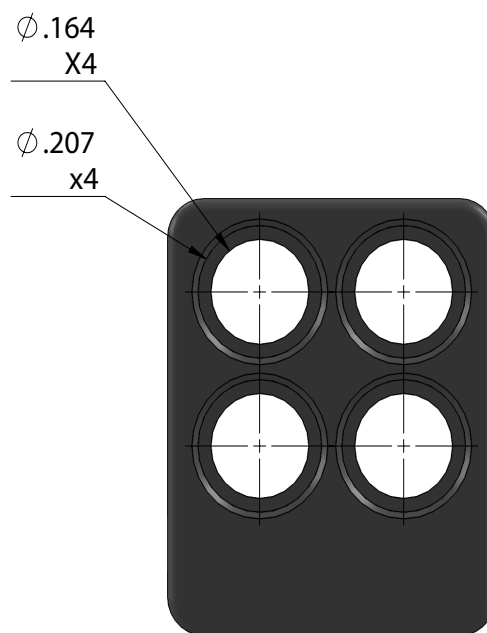
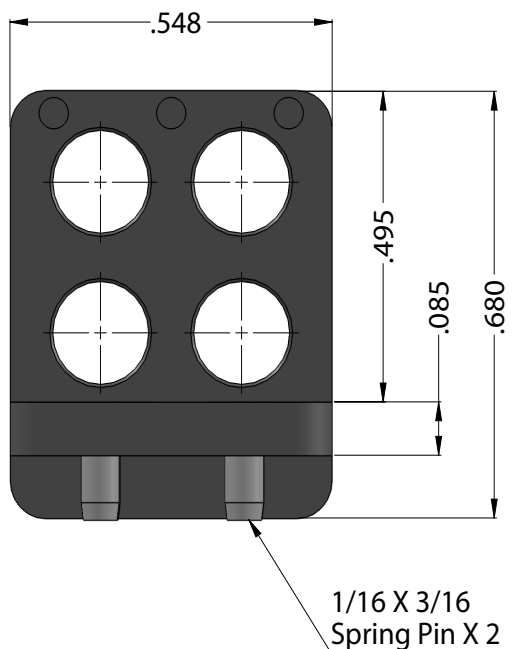


$\phi .164 \pm .001$
X8



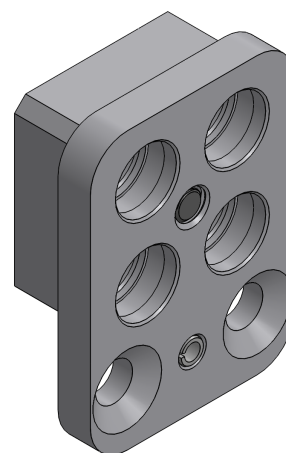
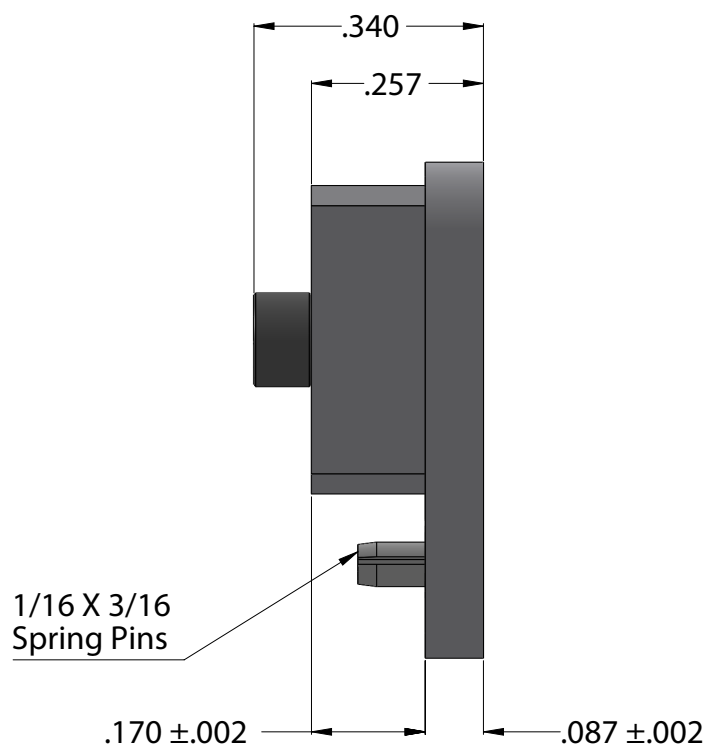
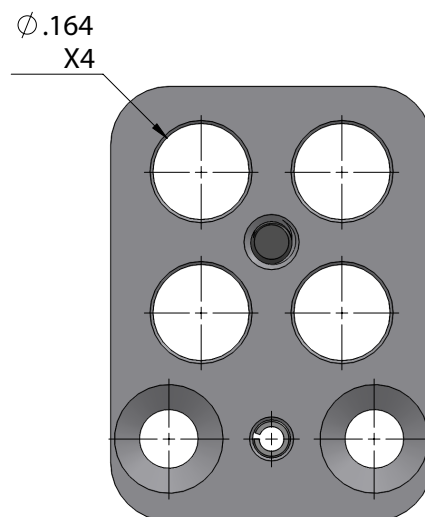
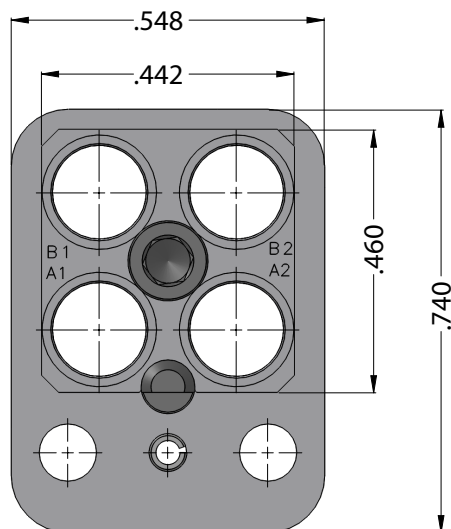
21-10202
Vertical 8 Position SMPM
Housing

VITA 67 Adapter Interconnects



21-10205
Right Angle 4 Position SMPM
Housing

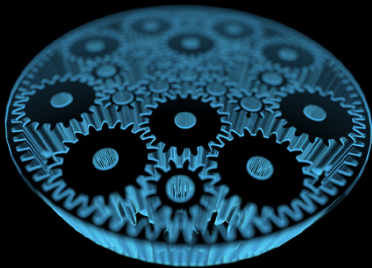
VITA 67 Adapter Interconnects



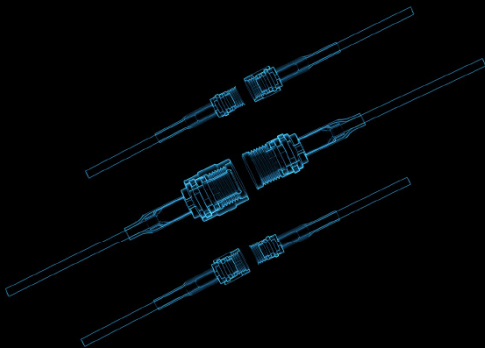
21-10208
Vertical 4 Position SMPM
Housing



CREATE



COLLABORATE



CONNECT



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978-927-1060

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