

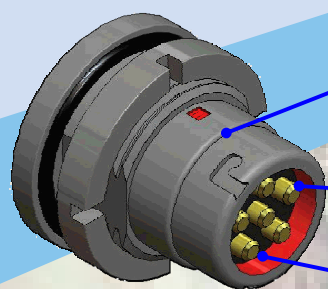
164F Series

Amphenol Filtered Audio Connectors

Reliable communications for extreme conditions

• For use in military airborne and naval communications applications

• Designed specifically for man-pack, vehicle-mount, shipboard or aircraft installations



- Interface and environmental performance of MIL-C-55116/9, -/10
- Operating temperature range -55°C to $+125^{\circ}\text{C}$
- DWV = 500 V dc • IR = 1,000 M Ω (sea level)
- Typical working voltage = 60 V dc • Current rating = 0.5 A

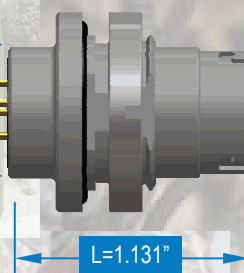
• Spring loaded contacts with minimum mating durability of 3000 cycles

• Fully sealed to water ingress up to 20 m immersion depth



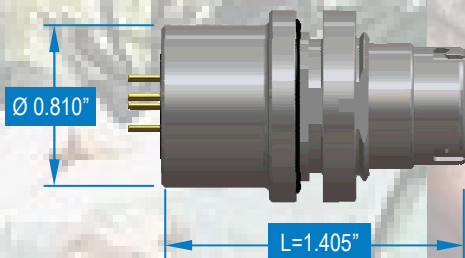
164F-1836B-3xx
Short body

$\varnothing 0.630"$



164F-1836B-1xx
Medium body

L=1.131"

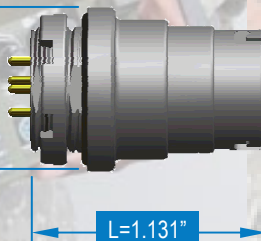


164F-1836B-5xx
Long body

$\varnothing 0.810"$

L=1.405"

$\varnothing 0.812"$

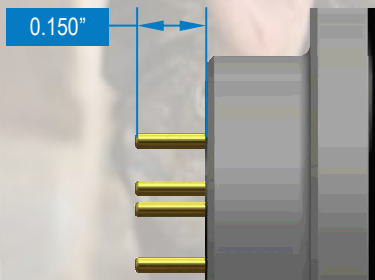


164F-1836B-2xx
Medium body,
Reverse mount

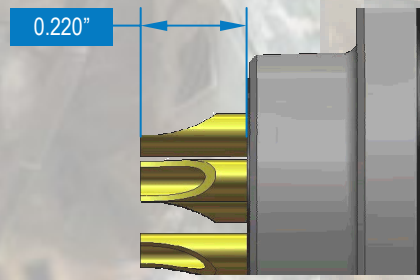
L=1.131"

These audio connectors meet or exceed all MIL-C-55116 requirements, including mating durability, environmental sealing, and thermal cycling.

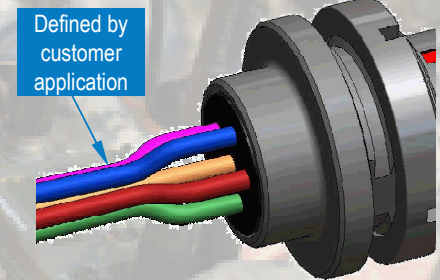
They mate to standard plugs, with screw machined contacts, passivated stainless steel shell, and high grade thermoplastic inserts, and the patented Amphenol solderless stress-isolation design, resulting in a shorter, lighter connector with superior thermal and physical shock capabilities.



164F-1836B-xxx
PCB tail termination



164F-1836S-xxx
Solder cup termination



164F-1836H-xxx
Wire lead / harnessed termination

164F -1836S-102

of contacts
5 or 6

contact termination

B = PCB tail

S = solder cup

H = wire lead

(customer-specified length & configuration)

deviation/filtering code

0x = standard filtering:

01 = 2,000 pF – 3,000 pF

02 = 8,000 pF – 16,000 pF

03 = 24,000 pF min.

04 = 72,000 pF min.

(xx = custom designs)

shell style

1 = medium body (L=1.131")

3 = short body (L=0.910")

5 = long body (L=1.405")

2 = medium body, reverse mount

4 = short body, reverse mount

6 = long body, reverse mount

CUSTOMIZATION OPTIONS:

- Pin numbers and sizes
- Grounded pins
- Filtering topology
- Lightning protection

- Ultra-high sealing capabilities
- Alternate cable/wire/board termination styles

- Alternate materials and plating
- Value-added construction and harnessing

Amphenol®

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ENGINEERED SOLUTIONS DESIGNED TO FIT