

FN-2418W

Technical drawing of the SMA (F) CONNECTOR (2x) showing top and side views with dimensions.

Top View Dimensions:

- Overall width: 2.44
- Distance from left edge to center of first connector: 2.100
- Distance between centers of connectors: 1.050
- Distance from right edge to center of second connector: 0.185
- Overall height: 0.62
- Distance from top edge to center line: 0.35
- Distance from bottom edge to center line: 0.18
- Connector diameter: $\phi 0.13$ (4X)

Side View Dimensions:

- Overall length: 1.74
- Connector diameter: 0.56

Side view of the HF-102 connector assembly. It shows a central cylindrical body with a BNC (F) CONNECTOR (2X) on the right end. The assembly is mounted on a base with two springs. Dimensions include a .74 inch height for the base and a .25 MAX. inch height for the spring. The base is labeled HF-102, (2X) and the stud is labeled STUD, 4-40 UNC-2A.

Technical drawing of a mechanical part, likely a shaft or pin, showing dimensions in inches. The part has a central cylindrical section with a diameter of $\varnothing .770$ and two end sections with diameters of $\varnothing .280$ and $\varnothing .56$. The total length is 2.37 . The distance from the left end to the center of the $\varnothing .280$ section is 1.54 . The distance from the center of the $\varnothing .280$ section to the center of the $\varnothing .56$ section is $.770$. The distance from the center of the $\varnothing .56$ section to the right end is $.56$. The part is shown with a cross-section at the center, labeled 'C'.

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Top View Dimensions:

- Overall Width: 0.50
- Overall Height: 0.42
- Pin Spacing (Pitch): 0.158
- Pin Diameter: 0.017 ϕ
- Pin Length: 0.15 MIN (4X)
- Internal Feature Diameter: 0.020 ϕ GND PIN (2X)

Side View Dimensions:

- Overall Width: 0.50
- Overall Height: 0.316
- Pin Spacing (Pitch): 0.158
- Pin Diameter: 0.017 ϕ
- Pin Length: 0.15 MIN (4X)
- Internal Feature Diameter: 0.020 ϕ GND PIN (2X)

The drawing shows the mechanical footprint for the ADXL345. The top view (left) shows a rectangular footprint with a central square pad. Dimensions include a central pad width of 0.210 ± 0.010, a total footprint width of 1.670, and a distance of 1.250 from the center to the edge of the mounting pads. A fillet radius of R 0.03 MIN (TYP) is specified for the mounting pads. The bottom view (right) shows the mounting pads with a width of 0.500 and a distance of 0.030 MIN TO START OF BEND. The central pad is 0.030 Ø TERM., GLASS/METAL (2X). The mounting pads are 0.030 Ø GND PIN (2X). The footprint is 0.17 ± 0.03 wide. The bottom view also shows the IN, OUT, and GND pins with dimensions of .200 and .20. The bottom view includes a callout for 2-56 UNC-2B X .12 DP (1X) for the mounting holes.

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$$\begin{aligned} .XX &= \pm .020 \\ .XXX &= \pm .010 \end{aligned}$$

ANGLE = $\pm 1^\circ$
HOLES = $\pm .002$

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