Semtech Antenna – 5-in-1 Dual Sharkfin for XR60

The 5-in-1 Dual Sharkfin is a specialized antenna solution engineered and certified for AirLink XR60 mobility applications.
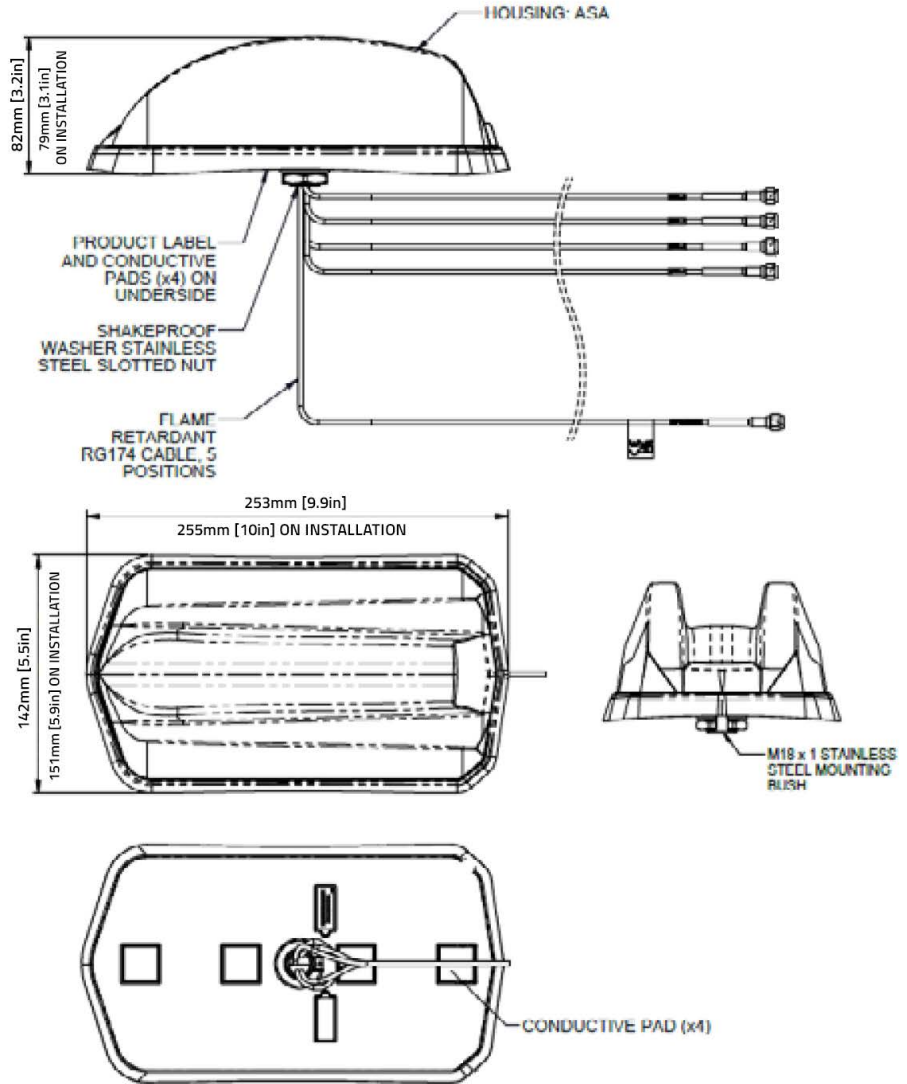
The antenna has a sleek sharkfin-style housing featuring a 4x4 MiMo for 4G/5G (617-6000MHz), and an active L1/L5 GPS/GNSS antenna.

		Specification	
PART NO.			
		6001512 (Black)/6001526 (White)	
ELECTRICAL DATA			
Frequency Range	4G/5G Elements	617-960MHz / 1427-6000MHz	
Peak gain: Isotropic*	4G/5G Elements	617-960MHz 1427-6000MHz	4.2dBi 7.1dBi
Isolation*	4G/5G Elements	617-960MHz 1427-6000MHz	≥7dB ≥ 16dB
Typical Efficiency	4G/5G Elements	617-960MHz 1427-6000MHz	61% 71%
Correlation Co-efficient	4G/5G Elements	<0.25	
Pattern		Omni-directional	
Impedance		50Ω	

*Simulated off a groundplane and does not include cable attenuation

		Specification
GPS/GNSS DATA		
Frequency Range		1559-1612MHz / 1164-1189MHz
Gain: LNA		30dB / 26dB
Out of Band Rejection		> 48dB
Rejection at 787MHz		> 50dB
Typical Noise Figure		-2.6dB
Operating Voltage		3-5V DC
Typical Current		36mA
MECHANICAL DATA		
Dimensions	Height	82mm (3.2")
	Length	253mm (9.96")
	Width	142mm (5.56")
Operating Temp		-40°/ +80°C (-40° / +176°F)
Colour		Black/White
Ingress Protection		IP69K
MOUNTING DATA		
Mounting Type		Bolt Mount
Mounting Hole		19mm (3/4")
EXTENSION CABLE DATA		
Cellular Cables	Type	CS32 (UN ECE R 118 Compliant)
	Length	4m (13.12")
	Termination	SMA Plug
GPS Cable	Type	CS29 (UN ECE R 118 Compliant)
	Length	4m (13.12")
	Termination	SMA Plug
ACCESSORIES		
In The Box		Dual sharkfin antenna with pigtails, extension cables, foam pad, mounting bolt, centre sealing pad
Optional Accessories (Sold Separately)		▪ 6001506 Dual Sharkfin Rib Adapter: Roof mounting kit designed for (2021 and newer) Ford Explorer/Interceptor ▪ 6001505 Magnetic Mounting Adapter: Mount antenna to vehicle roof without the drilling a hole (only for trials and demos)

HOUSING: ASA

82mm [3.2in]
79mm [3.1in] ON INSTALLATION

PRODUCT LABEL AND CONDUCTIVE PADS (x4) ON UNDERSIDE

SHAKEPROOF WASHER STAINLESS STEEL SLOTTED NUT

FLAME RETARDANT RG174 CABLE, 5 POSITIONS

253mm [9.9in]
255mm [10in] ON INSTALLATION

142mm [5.5in]
151mm [5.9in] ON INSTALLATION

M18 x 1 STAINLESS STEEL MOUNTING BUSH

CONDUCTIVE PAD (x4)

About Semtech

Semtech Corporation (Nasdaq: SMTC) is a high-performance semiconductor, IoT systems and cloud connectivity service provider dedicated to delivering high-quality technology solutions that enable a smarter, more connected and sustainable planet. Our global teams are committed to empowering solution architects and application developers to develop breakthrough products for the infrastructure, industrial and consumer markets.

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