

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

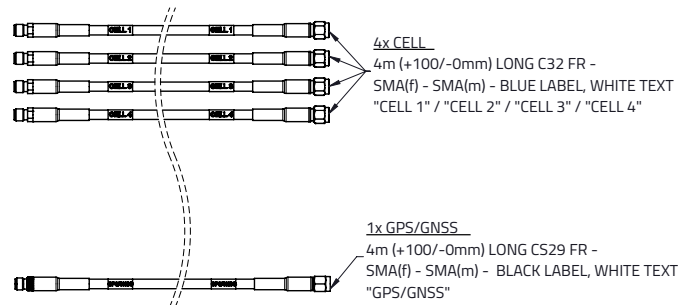
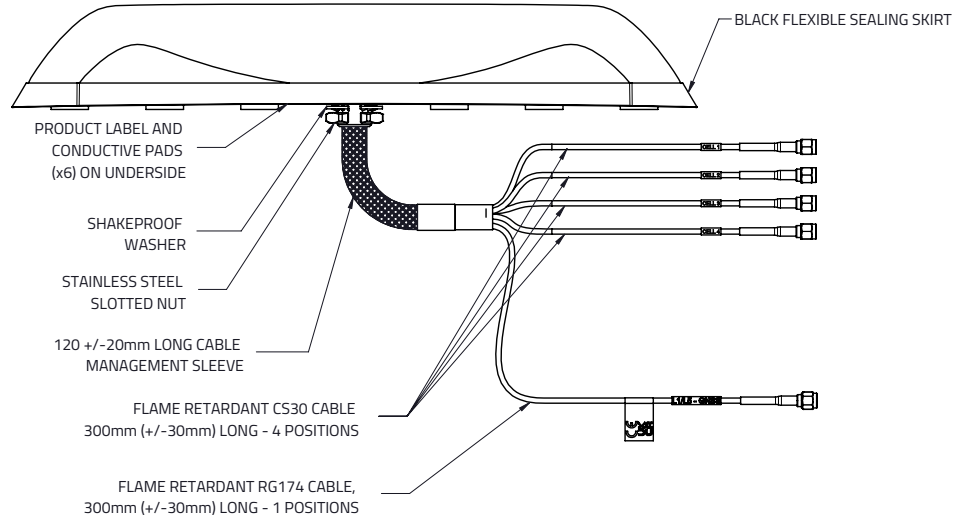
The 5-in-1 Reef Sharkfin is a specialized antenna solution engineered and certified for AirLink® XR60 mobility applications.

The antenna has a sleek sharkfin design with discrete low profile housing featuring a 4x4 MIMO for 4G/5G (617-6000MHz), and an active L1/L5 GPS/GNSS antenna.

		Specification	
PART NO.		6001546(Black)	
ELECTRICAL DATA			
Frequency Range	4G/5G Elements	617-960MHz / 1427-6000MHz	
Peak gain: Isotropic*	4G/5G Elements	617-960MHz	4dBi
		1427-6000MHz	6.4dBi
Isolation*	4G/5G Elements	617-698MHz	≥4dB
		698-960MHz	≥6dB
		1427-6000MHz	≥12dB
Typical Efficiency	4G/5G Elements	617-960MHz	42%
		1427-6000MHz	61%
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		37mA
MECHANICAL DATA		
Dimensions	Height	52mm (2")
	Length	365mm (14.4")
	Width	60mm (2.4")
Operating Temp		-40° / +80° C (-40° / +176° F)
Colour		Black
Ingress Protection		IP69K
MOUNTING DATA		
Mounting Type		Bolt Mount
Mounting Hole		19mm (3/4")
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
Wi-Fi Cables	Type	CS32 (UN ECE R 118 Compliant)
	Length	4m (13.12")
	Termination	SMA Plug Reverse Polarity
ACCESSORIES		
In The Box		Reef sharkfin antenna with pigtailed, extension cables, mounting bolt, sealing pad



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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