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REVISIONS

Notes :
Antenna specification is subjected to change according to the ground plane size.

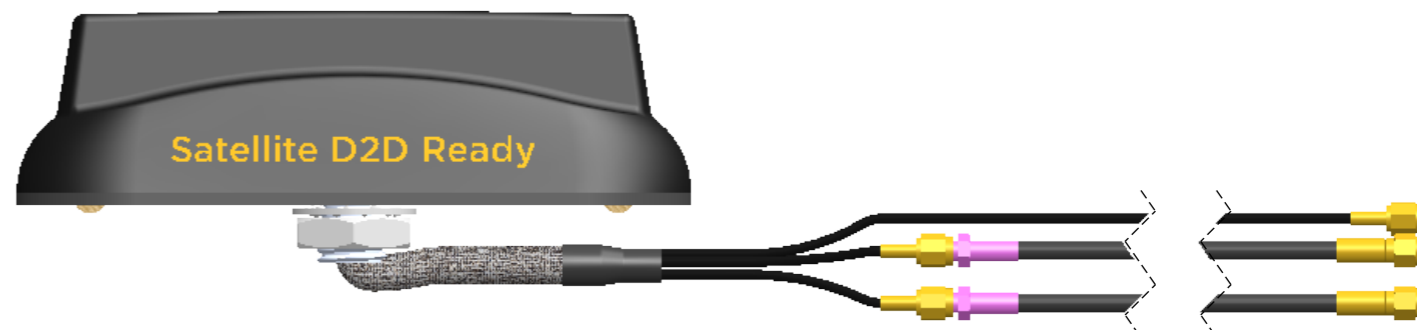
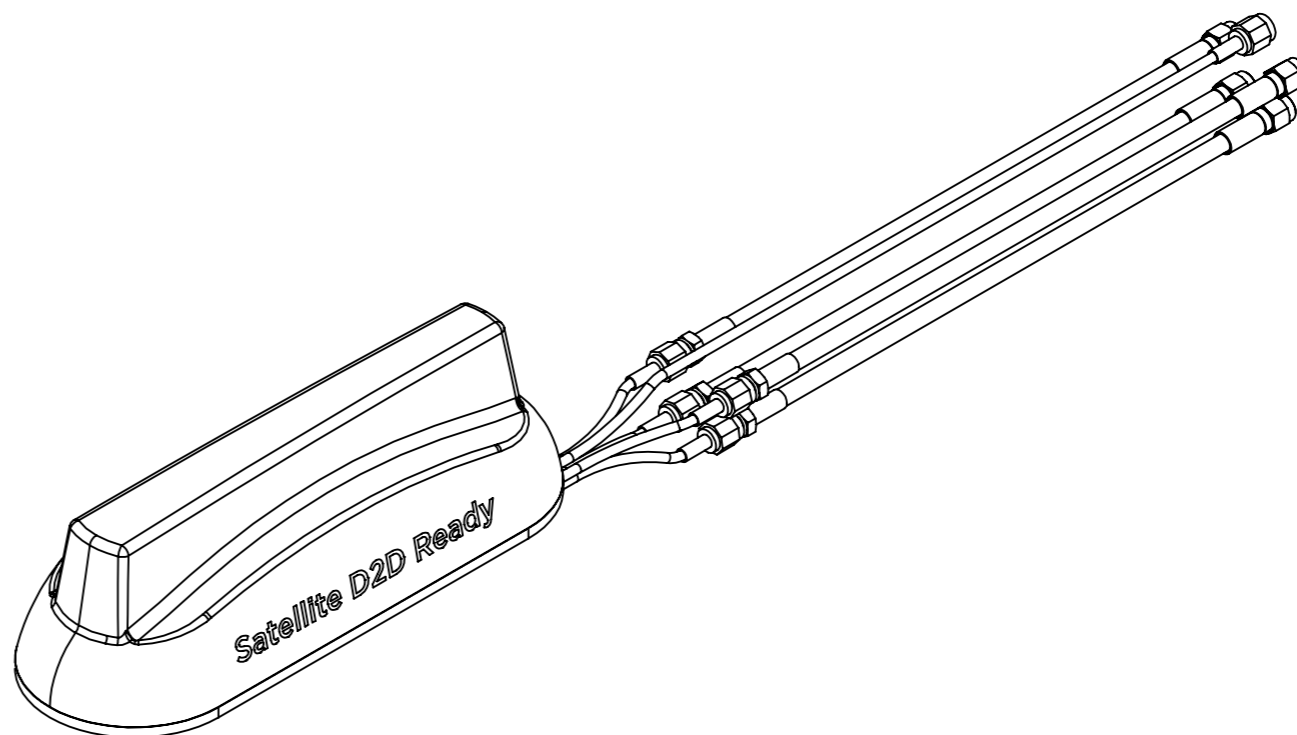
REV	DESCRIPTION	DATE	DWN	APVD
A	PRODUCTION RELEASE	25JUN25	LC	LL

ELECTRICAL SPECIFICATIONS						
Antenna Model	L001258-01					
TCPN	See Configuration Table					
Number of Ports	5					
Port Configuration	2x- 3G/4G/ISM/CBRS			2x - WiFi		
Frequency Bands, MHz	698- 806	824- 894	880- 960	1690-3800	2400- 2500	4900- 6000
Azimuth 3 dB Beamwidth	360°, Omnidirectional					
Nominal Impedance	50 Ω					
Polarization	Linear Vertical					
Max Power/port- Ambient 25°C (W)	30			10		

MECHANICAL SPECIFICATIONS	
Dimensions- L x W x H mm (inches)	179 x 63 x 48 mm (7.04 x 2.48 x 1.69)
Weight, kg (lbs)	1.1 kg (2.42 lbs)
Mounting	P- Mount
Cable Type	LMR 100 Equivalent- Black pigtails, LMR 195 Equivalent- Black extension cables
Color	Black
Radome Material	PC, UL94-V0
Baseplate Material	Aluminum

ENVIRONMENTAL SPECIFICATIONS	
Operating Environment	Outdoor Vehicle
Operating Temperature, °C (°F)	-30 to +70 (-22 to +158)
Storage Temperature, °C (°F)	-40 to +85 (-40 to +185)
Ingress Protection	IP67
Rail Compliance Standards	EN61373 (Shock & Vibration), EN50155 (Temperature)
Material Substance Compliance	RoHS Compliant

GNSS ANTENNA SPECIFICATIONS			
Frequency of Operation (MHz)	1559 - 1606		
Band	BEIDOU	GPS	GLONASS
Frequency Band (MHz)	559.052 - 1563.144	1574.42 - 1576.42	1598.0625 - 1605.89
Absolute Gain (dBi)	2	2	2
LNA Gain Typ. @ room temp. (dBi)	28 ± 3		
Noise Figure @ room temp., Max (dB)	≤ 2.5 @ 1575 MHz		
Max VSWR @ room temp.	2.5:1		
Polarization	RHCP		
Nominal Impedance	50 Ω		
DC Voltage (Vdc)	2.5 - 7.0		
Current Consumption, Max @ room temp (mA)	8.5 ± 3 @ 3.0V		
ESD, kV	± 2 (contact discharge) / ± 4 (air discharge)		
Out-of-band Signal Rejection Min @ room temp (dBc)	80 (@698-960MHz)	80 (@1428-2700 MHz)	70 (@4900-5800 MHz)
Input Max Power (dBm)	-10		
Cable Type	RG174, Black		



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm



MATERIAL

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	±0.5
1 PLC	±0.25
2 PLC	±0.13
3 PLC	±
4 PLC	±
ANGLES	±30°

FINISH

DWN LC TAN 26JUN25

CHK

APVD LL TEOH 26JUN25

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

TE TE Connectivity

Ant, VFP, 5Port, 2xCell/Sat WiFi, GNSS

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C=L001258-01	

SCALE 1:2 SHEET 1 OF 1 REV 1