

APPROVED: _____
 DATE: _____ TITLE: _____

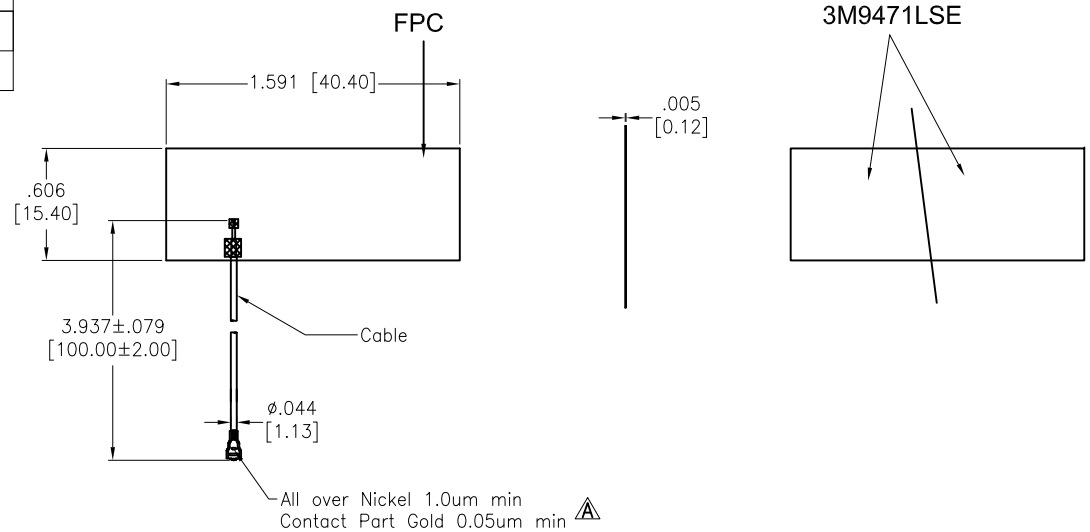
Rev	AWO #	Description	Date	Appr
-		RELEASED	12/20/21	
A		ADDED SPEC.	8/11/22	LH/TW

SPECIFICATIONS:
 Material:

Component name	Material	Color
Cable	U.FL Standard	Black
FPC	FPC	Black

Electrical:

Standards	3G/2G	
Frequency range(MHz)	824~960MHz	1710~2170MHz
Peak Gain	-3.7~2.1dBi	2.2~6.5dBi
Average Gain(dB)	-6.8~5.7dB	-4.5~-3.0dB
VSWR	<4.5	<2.0
Return Loss	<-4.0	<-10.0
Efficiency (%)	20~27%	35~50%
Polarization mode	Linear	
Radiation pattern	Omni-Directional	
Output impedance	50	
Max.Input Power(W)	5	



Mechanical:

Mounting Type	Adhesive
Antenna Type	3M9471LSE
Connector Type	IPEX MHF1
Antenna size(mm)	40.4mmX15.40mm
Material	FPC
Cable length(mm)	100mm
Operating Temperature	-40°C~+85°C
Storage Temperature	-40°C~+85°C

Environmental:

Lead free, RoHS compliant.

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM]. TOLERANCES: EXCEPT AS NOTED

INCHES		HOLES	
.x	±.10	Øx	±.10
.xx	±.020	Øxx	±.015
.xxx	±.015	Øxxx	±.010

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DRAWN	WX	12/20/21
CHECKED	RC	12/20/21
APPROVED		

TITLE
 2G 3G LPWA RF ANTENNA, FLAT ADHESIVE TO IPEX MHF1

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SIZE	PART NO.	REV.
X	ANT-210171B77	A

REF: S00207C SCALE: NTS SHEET 1 OF 1