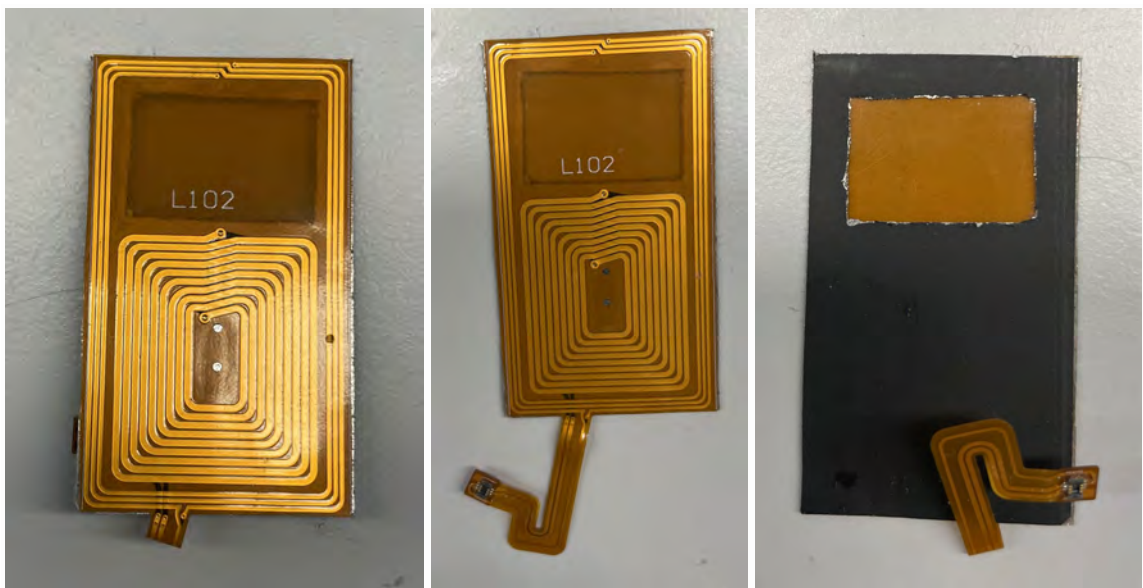


MXX001NC1E.09

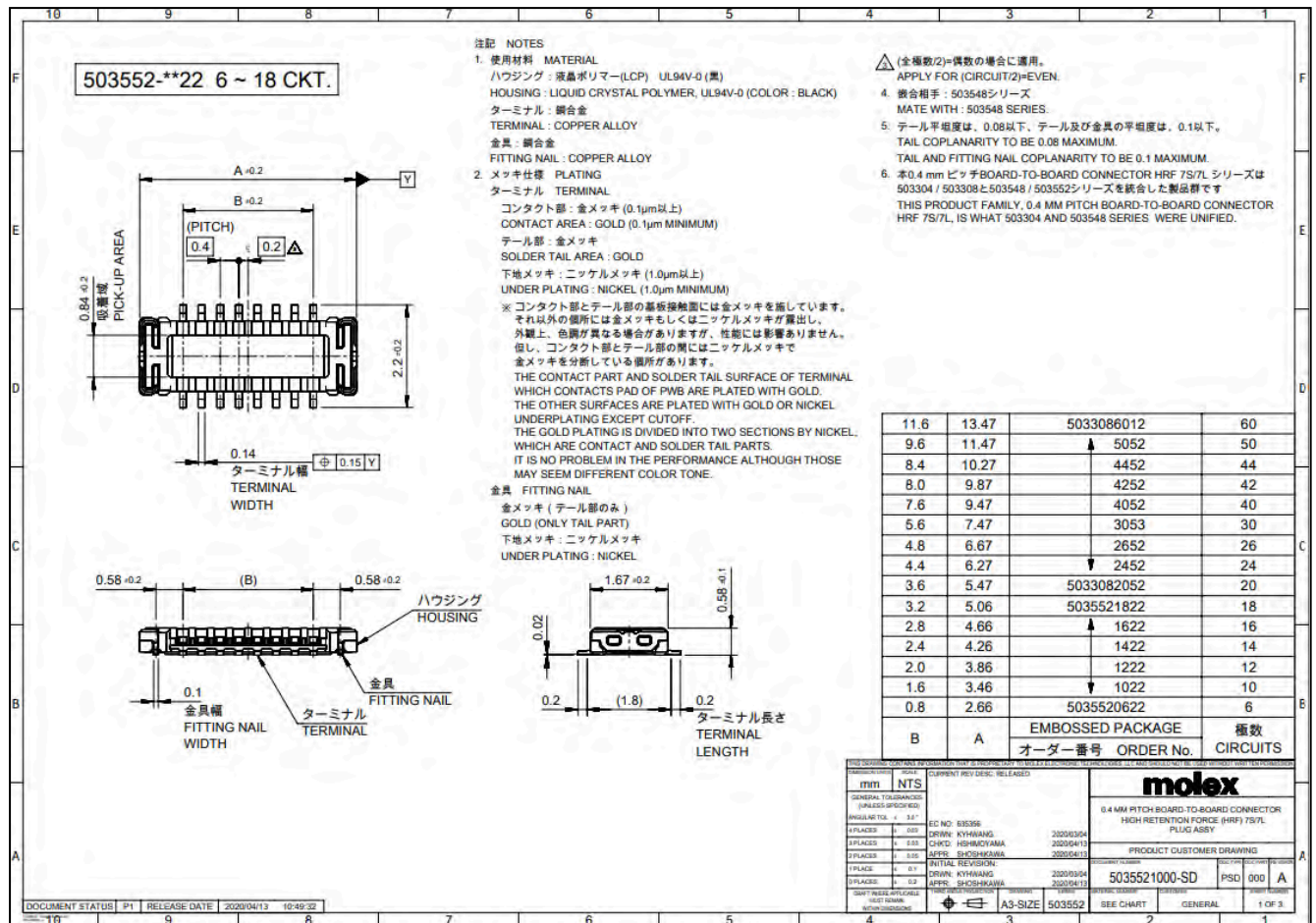
Qi NFC Antenna

DATASHEET Rev. 2.0



1. General description

MXX001NC1E.09 is a double antenna that integrates both Qi coil and NFC antenna. Qi coil is used for inductive wireless charging and NFC antenna for NFC communication.



5. Flex PCB Stackup

FS_QINFC_rev1.0.0_V1.0.0_Specification

Layer	Name	Thickness	Constant	Base	Ferrite	Stiffener
	Top Overlay					
	Top Coverlay	0.038mm	3.5			
1	Top Layer	0.035mm				
	Adhesive 1	0.013mm	4.1			
	Dielectric 1	0.012mm	4.8			
	Adhesive 2	0.013mm	4.1			
2	Bottom Layer	0.035mm				
	Bottom Coverlay	0.038mm	3.5			
	Bottom Ferrite MS1400	0.300mm	4.5			
	Bottom Stiffener	0.300mm	4.5			
	Bottom Overlay					

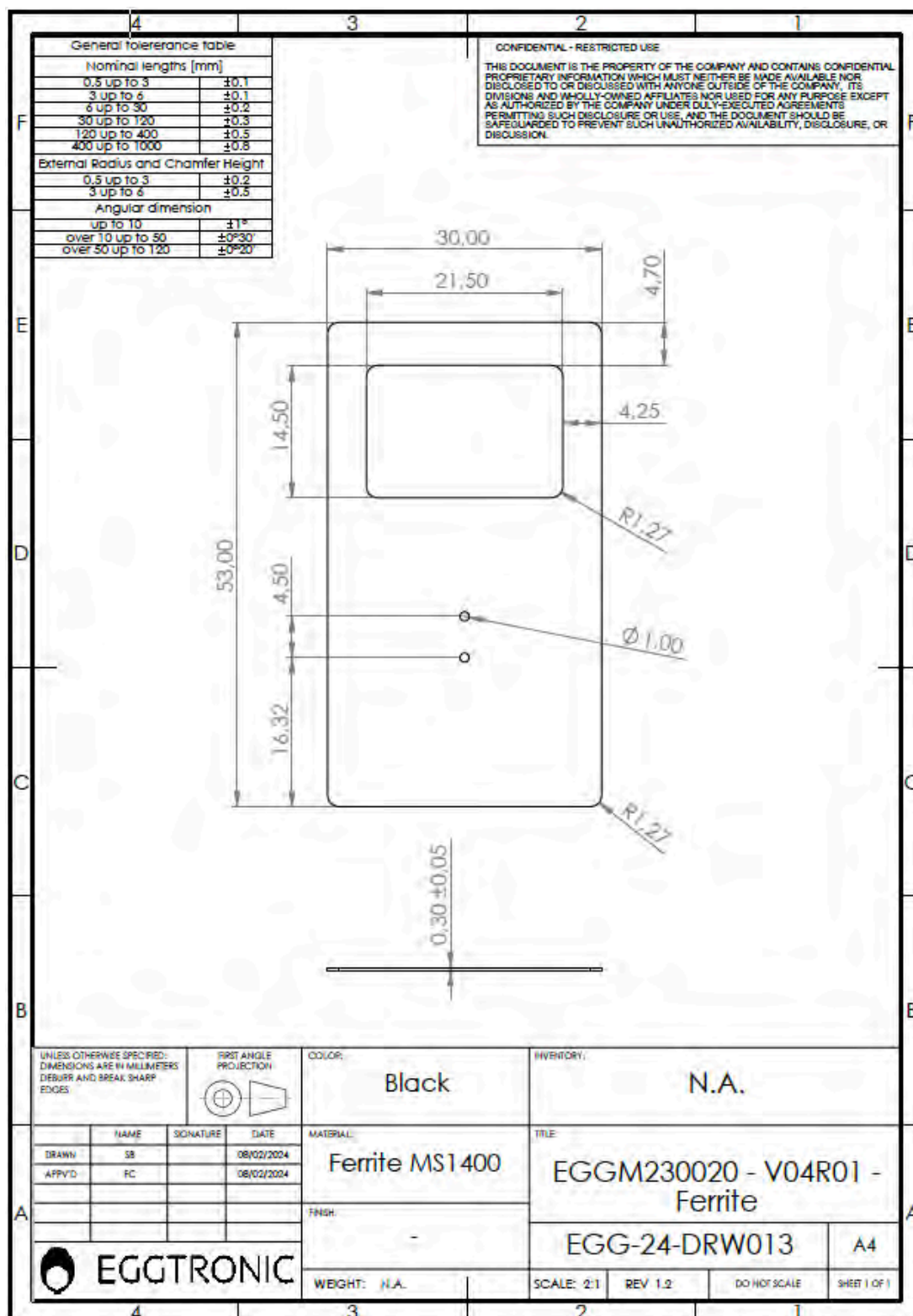
Total board thickness (Base): 0.185mm

a. Flex PCB Base Material

Insulation type	ASL-F
Max operative temperature	105°C
Insulation UL file	E301444

For more information, visit: www.eggtronic.com

EGG-24-DRW013.1.2 - EGM230020 - V04R01 - Ferrite



10. Environmental Requirements

Shelf life

Shelf Life_MXX001NC1E.09 Qi NFC Antenna_Rev 1.0

Storage Conditions		Shelf Life Period	Risks beyond Shelf Life period
Ambient Temperature	23°C ± 3°C	12 Months	Partial functional risk of fail
Humidity	55 ±10% RH		
Environment	Non-acidic and alkaline storage conditions		

11. 2D drawing

EGG-24-DRW023 1.2 - MXX001NC1E.09

