

Datasheet

NFC Reader

FPC / Internal Antenna



55 x 17 x 0.45 mm

NFC Antenna

Features:

Thin, semi-flexible structure
Easily assembles to device covers or mechanics
Well-known antenna concept, reliable technology

Applications:

Mobile devices
Home automation devices
Sharing / pairing



Electrical Specifications

Antenna Characteristics (Contains Ferrite)

Frequency (MHz)*	13.56
Inductance (μH)**	2.27
Resistance (Ω)**	2.05
Self Resonance Frequency (MHz)**	30.37
Q-Factor**	40.4
Ferrite Permeability (μ')	150

* With matching network.

** Bare coil without any matching network.

Mechanical Specifications

Mechanical

Dimension (mm)	55.0 × 17.0 × 0.45
Connector Type	SWB , 1224H-02-LP
Cable Type	UL3302 #28 AWG , Ø0.6
Cable length (mm)	146
Weight (g)	1.6

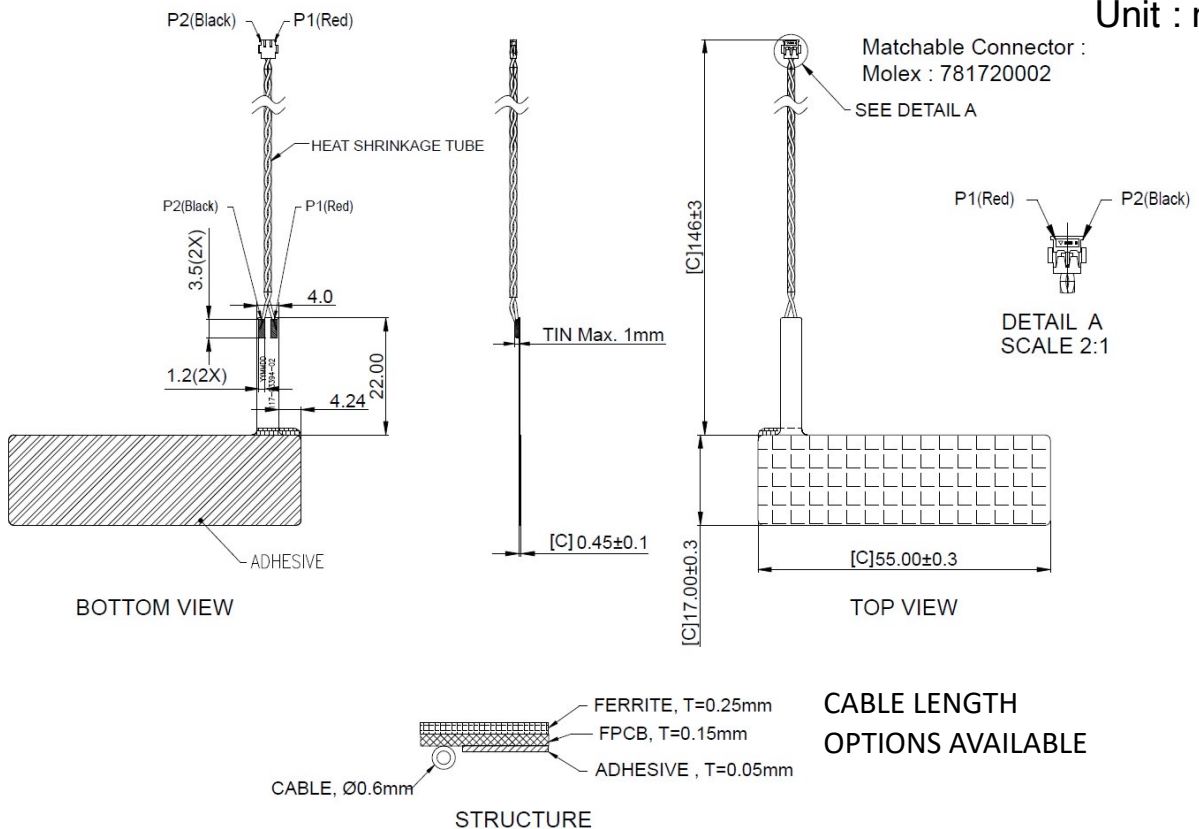
Environmental

Temperature Range (°C)	-40 to 85
Humidity	Non-condensing 65°C 95% RH

RoHS Compliant

Mechanical Drawing

Unit : mm



ST0824-20-401-A

Revisions				
Rev.	Description	Date	ECN	Approval
A	Initial Release	2023-01-16	ST0824-20-401-U-RA00	ATC

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