

SPECIFICATION

APPLICATION FOR APPROVAL

CUSTOMER : MiTAC International CORP.
CS P/N : 313010000503
PART NAME : N702 NFC ANT
DEVE NO. : T-0302_N702_NFC ANT
AUDEN NO. : A92587-40

CUSTOMER APPROVED

Auden Techno Corp.			
RF	MECHANICAL	R&D	PRODUCT
ENGINEER	ENGINEER	MANAGER	MANAGER
CHECKED	CHECKED	CHECKED	CHECKED
Bill Li	Tony Cheng	Franky Lai	Tony Lee



No Perfect Status, Always Seek for Better

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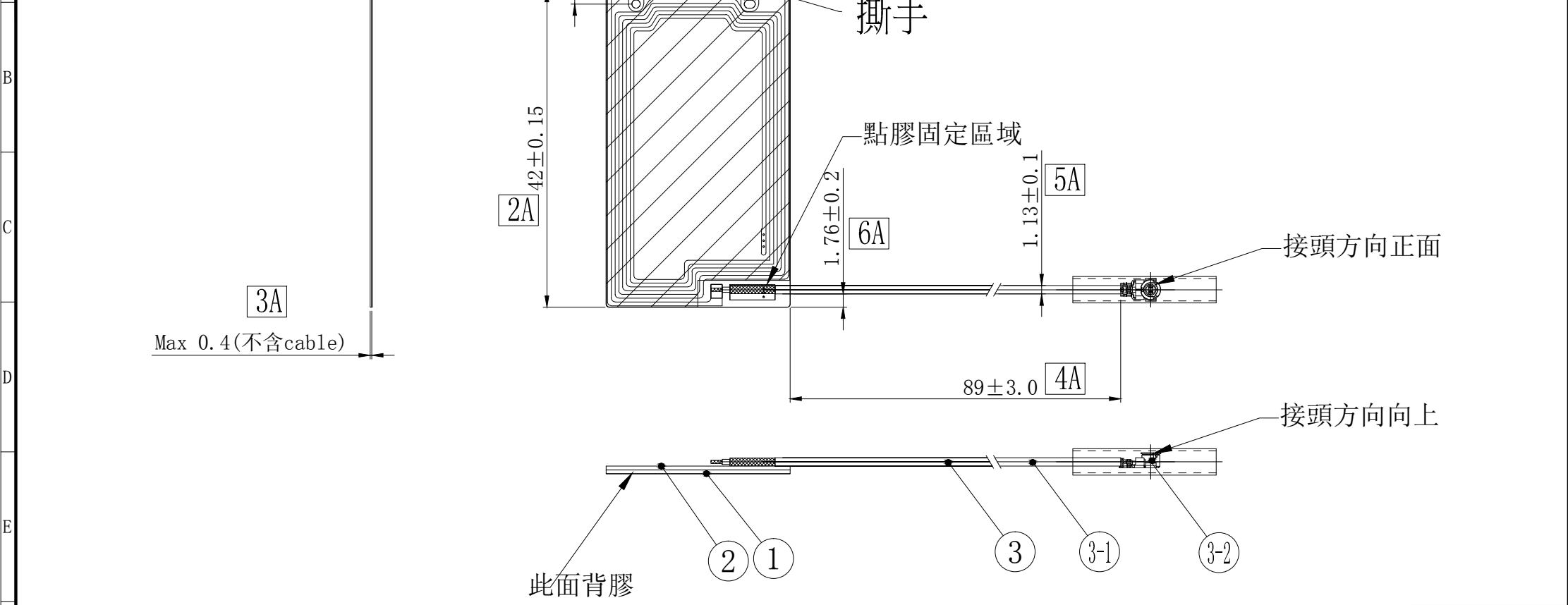
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1 圖檔

2 RF TEST REPORT

REVISION

REV.NO.	DATE	DESCRIPTION
X02	2022/08/04	增加離型紙撕手圖面



技术要求:
1、組裝後無明顯外觀不良
2、需通过品质部门要求的各项测试
3、未注公差见公差列表:
4、带“A”尺寸为进料必检尺寸。

DIMENSION	TOLERANCE
0~10.....	±0. 20
11~50.....	±0. 30
51~100.....	±0. 40
100以上.....	±0. 80

G

附:产品需符合耀登外观检验标准及可靠度测试要求						注:标注1A, 2A, 3A——等为重点尺寸, 总计5A,全尺寸共计0 (不含重点尺寸)										表面加工				
环境物质要求: ROHS 镉, Cd <100 汞, Hg <1000 铅, Pb <1000 六价铬, Cr (VI) <1000 多溴联苯, PBBs <1000 多溴二苯醚, PBDEs <1000 邻苯二甲酸二 (2-乙基己基) 酯, DEHP <1000 邻苯二甲酸甲苯基丁酯, BBP <1000 邻苯二甲酸二丁基酯, DBP <1000 邻苯二甲酸二异丁酯, DIBP <1000						图 名		料 号		表面处理		适用机种		开发单号						
						總裝圖		A92587-40 313010000503		-		N702 NFC ANT		T0302_N702_NFC						
						材质	参照技术要求	投 影		文件編號/版本		档 名		313010000503_T0302_N702_NFC_ANT_X02_A92587-40_20220804						
						单位	MM 比例 1:1			AD-QP-0002-24/B (T)		图纸	A4	第 1 页 / 共 1 页						
3-2	CONNECTOR	φ01.13 MHF-1代頭	1	-	-	环境物质要求: HF BR <900 CL <900 BR+CL <1500 耀登科技股份有限公司 AUDEN TECHNO CO. LTD						作 成	Tony		检 图	Bill		确 认	Vincent	
3-1	CABLE	1.13神宇FPC线材	1	灰色	-															
3	NFC CABLE	MHF1+1.13 CABLE	1	-	-															
2	Ferrite Sheet	凌澤電子 B系列JF150-B-P001-F008-PS001	1	-	-															
1	FPC	PI (45*12)+3M9471LE	1	黑色油墨	-															
序号	名称	材质 / 規格	用量	表面处理	備註															



Evo N702

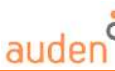
NFC Antenna Performance Evaluation Report

Date of Report: 2022/ 06 / 27
Department: WCB , Auden Techno Corp.
Prepared by: Bill Li



Persisting in Technology
antenna solutions for wireless technologies

Document/Report Information

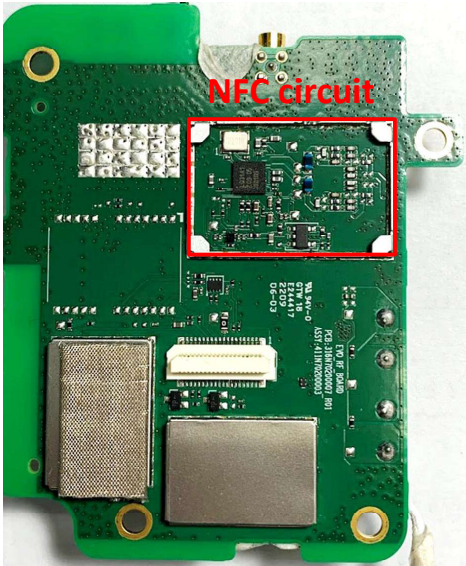
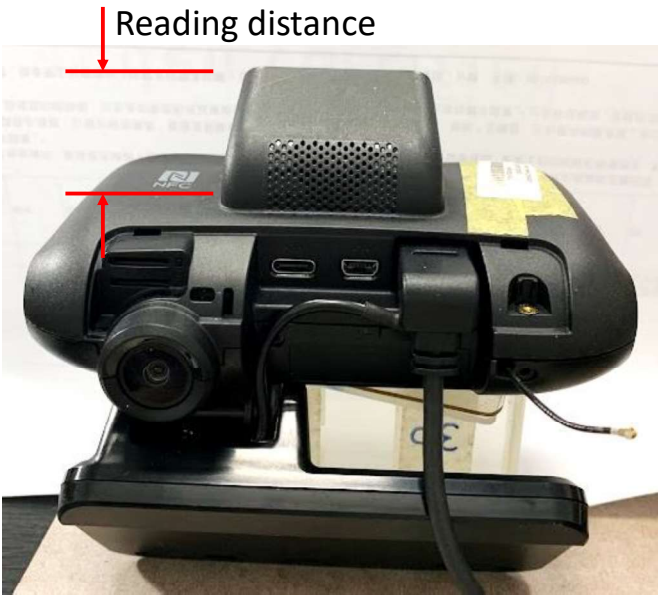


Project Name	Evo N702
Topics	NFC Antenna Performance Evaluation Report
Date of Report	2022/ 6 / 27
Report Revision	Rev01
Dept.	WCB, Auden Techno Corp.
Prepared by	Bill Li
Revised by	

Content

- Pictures of Mock-up
- NFC Matching
- NFC Antenna Performance

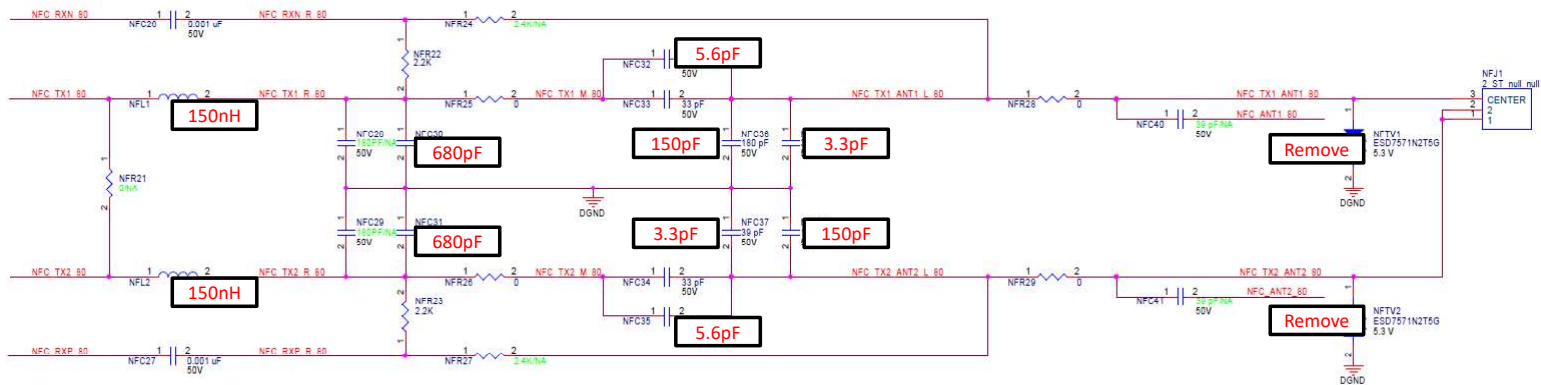
Pictures of Mock-up



NFC Matching

NFC Antenna

Antenna trace - 50ohm



NFC Antenna Performance

Evo N702 NFC Performance					
Reading Distance, mm	Tags	Conditions	DVT_Condition.00	DVT_Condition.01	DVT_Condition.02
		Date	2022/6/27	2022/6/27	2022/6/27
		Rmatch, ohms	19	12	11
		L0_NFL1, NFCL2	150nH	150nH	150nH
		C0_NFC30, NFC31	680pF	680pF	680pF
		C1_NFC32, NFC35 (50V, 2%)	5.6pF	5.6pF	5.6pF
		C1_NFC33, NFC34 (50V, 2%)	33pF	33pF	33pF
		C2_NFC36, NFC39 (50V, 2%)	150pF	150pF	150pF
		C2_NFC37, NFC38 (50V, 2%)	3.3pF	8pF	NA
	Detail	1. EVO N702 DVT NFC baseline	1. Shift frequency to lower	1. Shift frequency to higher	

