

SPECIFICATION FOR APPROVAL

CUSTOMER (客户名称)	瑞江	
CS P/N(客户机种)		
PART NAME (品名)	内置FPC天线 (RT-FPC306 V0.0) 2.4G/5.8G ϕ 1.13 黑色 L=100MM 带IPEX ROHS	
FREQUENCY (频率)	2400-2500MHz/5150-5850MHz	
RTANT NO. (物料编号)	RT441-10001-A	
DATE (日期)	2025.03.05	
出样签章		
APPROVED BY 核准	CHECKED BY 确认	DRAWED BY 制作
黄龙保	刘云海	刘云海
Remark (备注):		
客户承认签章		
APPROVED BY 核准	CHECKED BY 确认	TESTED BY 检测
Sign(客户确认签字盖章): _____		

Manufacturer: Screeneo Innovation SA
Address: 8A route de Suisse 1163 Etoy - Switzerland

1. Contents项目表

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附件	2D产品图、包装规范	附件

2. Revision history变更履历

Revision版本	Date日期	Change the content变更内容
X0	26. 03. 05	新版

3. 产品实物图片Product picture



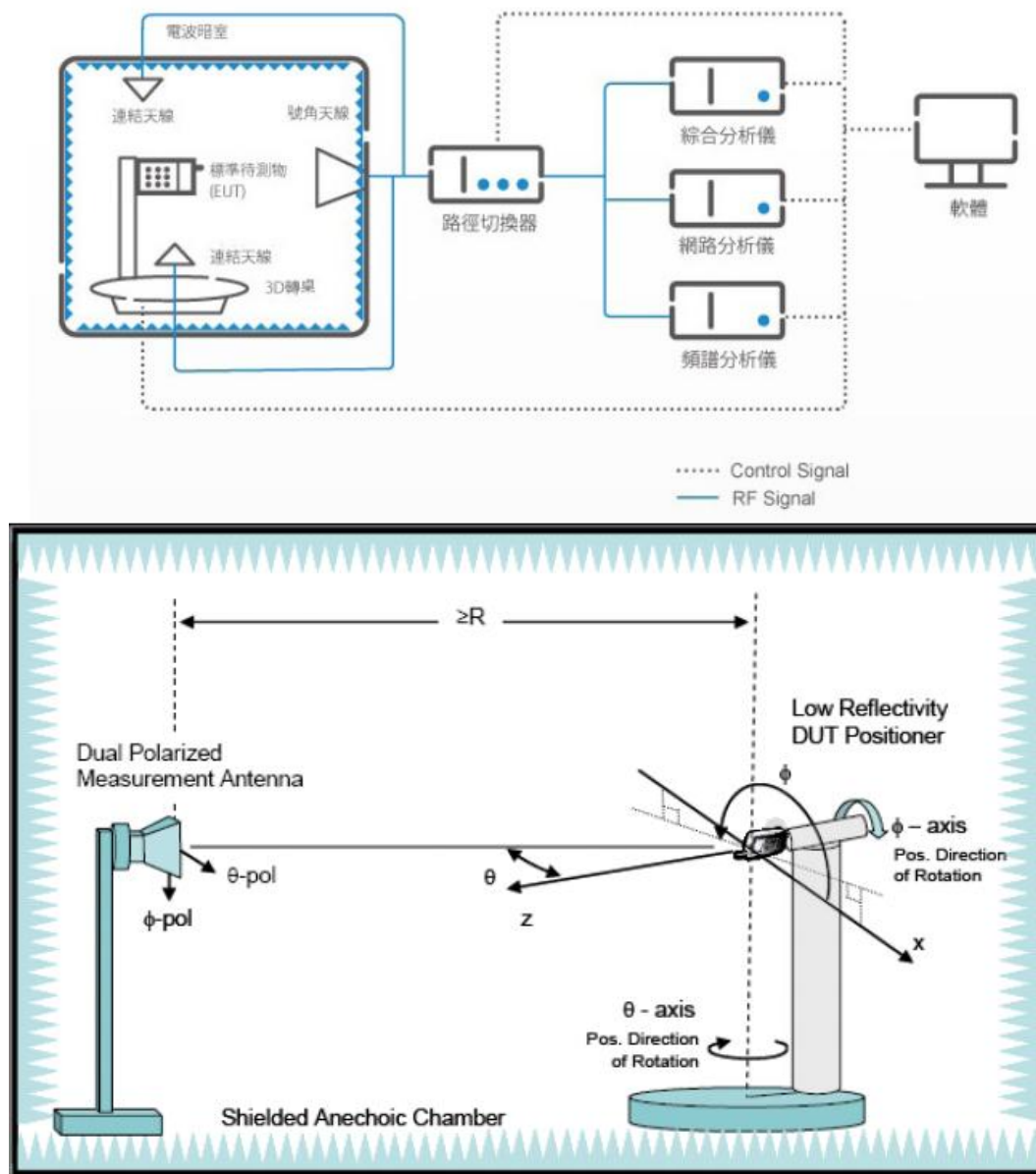
4. 规格表Specification

A. Electrical Properties	
Frequency Rang频段范围	2400-2500MHz/5150-5850MHz
Impedance特性阻抗	50 Ω Nominal
VSWR电压驻波比	2.0Max. (带机壳)
Gain(peak)增益 (峰值)	4.14dBi
Efficiency效率	>50%
Out of roundness不圆度	3.0 dBi (Max.)
Radiation辐射方式	Omni-Directional/全向
Polarization极化方式	Linear Vertical/垂直
B. Physical Properties	
Connector Type连接方式	IPEX
Cable线材	Φ 1.13mm
Antenna Radiator天线振子体	FPC

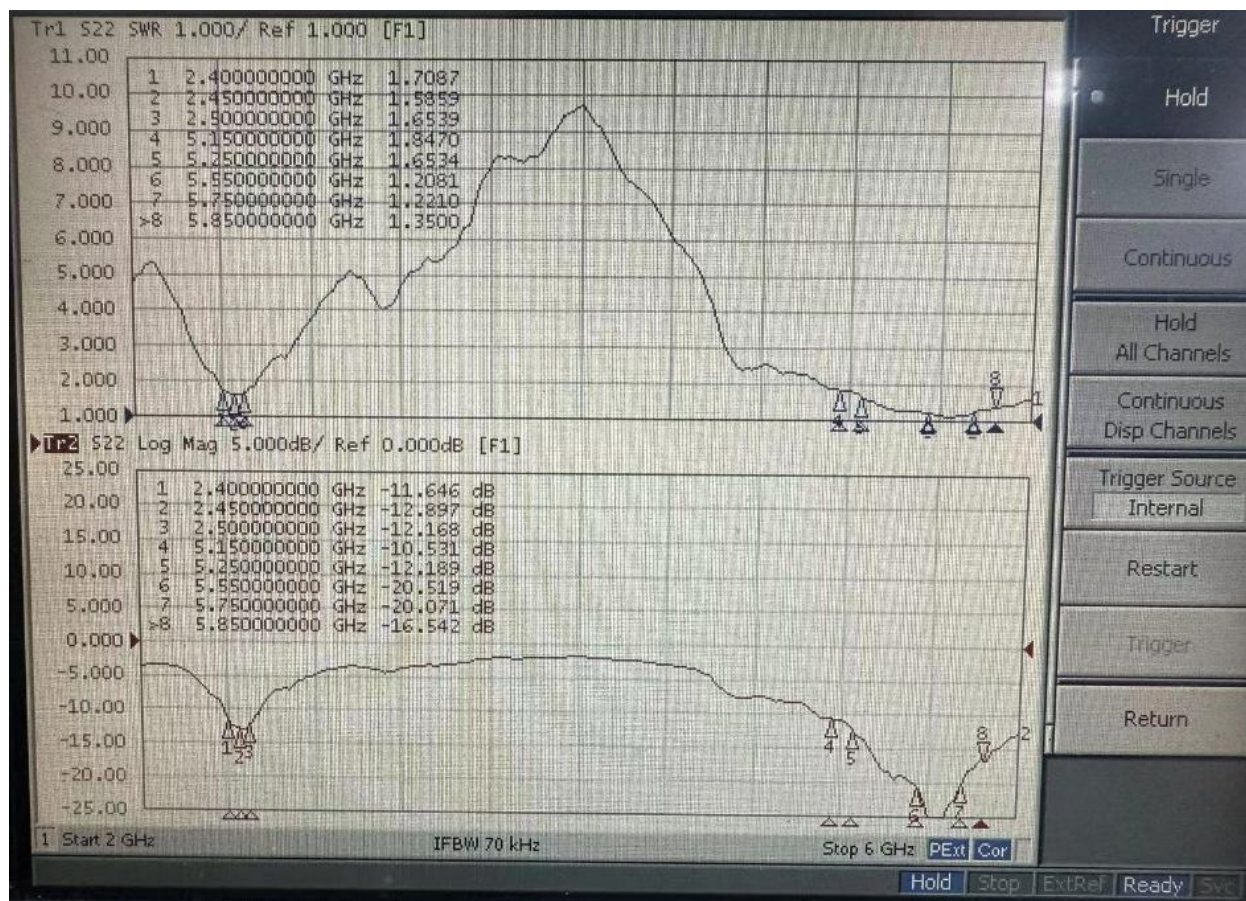
5. 电性测试报告Electrical Test Report

5.1 Test equipment

OTA 系統架構圖



5.2 网络分析仪测试报告

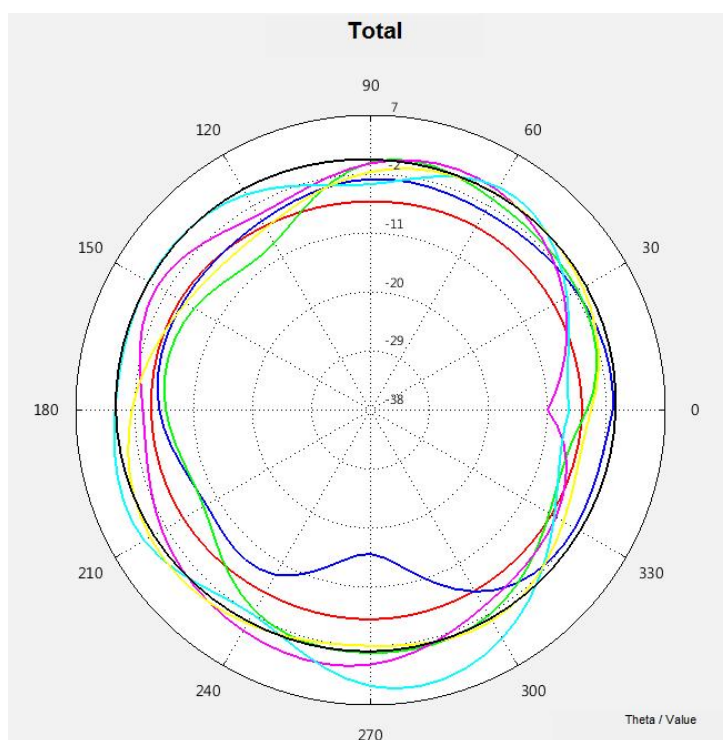
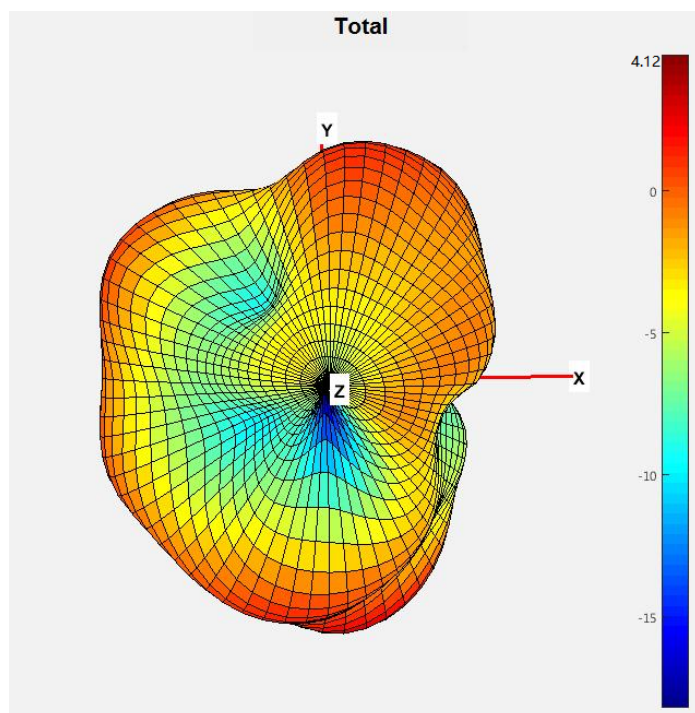


5.3 无源测试数据

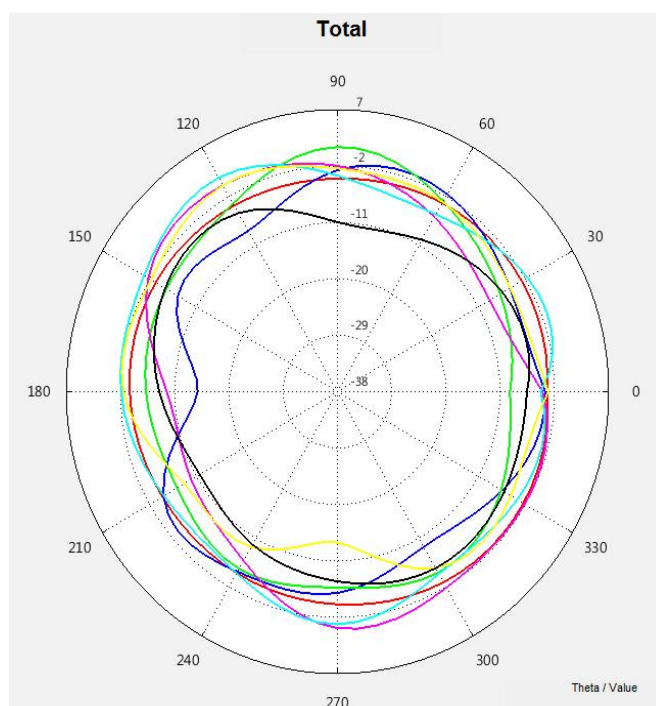
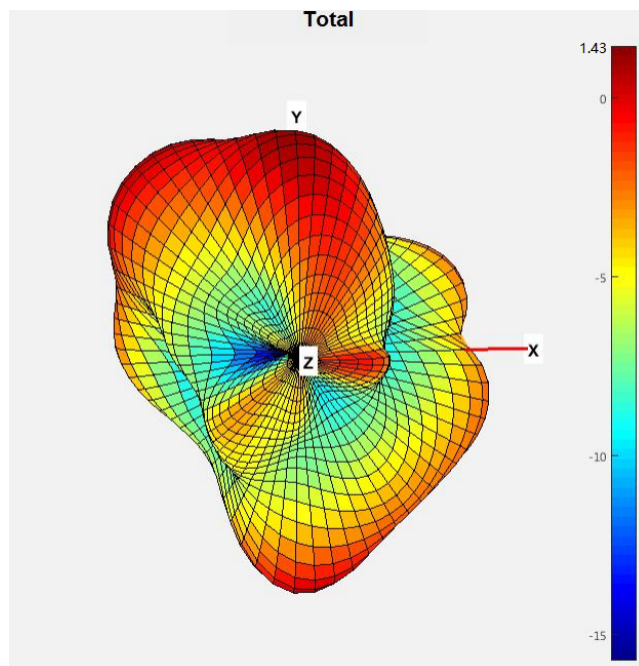
Frequency	Efficiency (%)	Gain (dBi)	Frequency	Efficiency (%)	Gain (dBi)
2.4GHz	68.82	3.23	5.15GHz	61.48	2.29
2.41GHz	67.58	3.46	5.2GHz	60.69	2.33
2.42GHz	65.94	3.6	5.25GHz	58.15	1.67
2.43GHz	66.95	3.76	5.3GHz	53.46	1.13
2.44GHz	66.77	3.98	5.35GHz	54.17	1.31
2.45GHz	68.9	4.12	5.4GHz	56.33	1.63
2.46GHz	69.17	4.14	5.45GHz	54.55	1.32
2.47GHz	68.97	4.03	5.5GHz	55.17	1.43
2.48GHz	66.33	3.84	5.55GHz	53.12	2.53
2.49GHz	65.25	3.75	5.6GHz	54.08	2.47
2.5GHz	64.23	3.94	5.65GHz	55.25	2.97
			5.7GHz	53.13	2.31
			5.75GHz	55.01	2.76
			5.8GHz	58.25	2.14
			5.85GHz	52.49	1.94

5.4 方向图

2450MHz



5500MHz



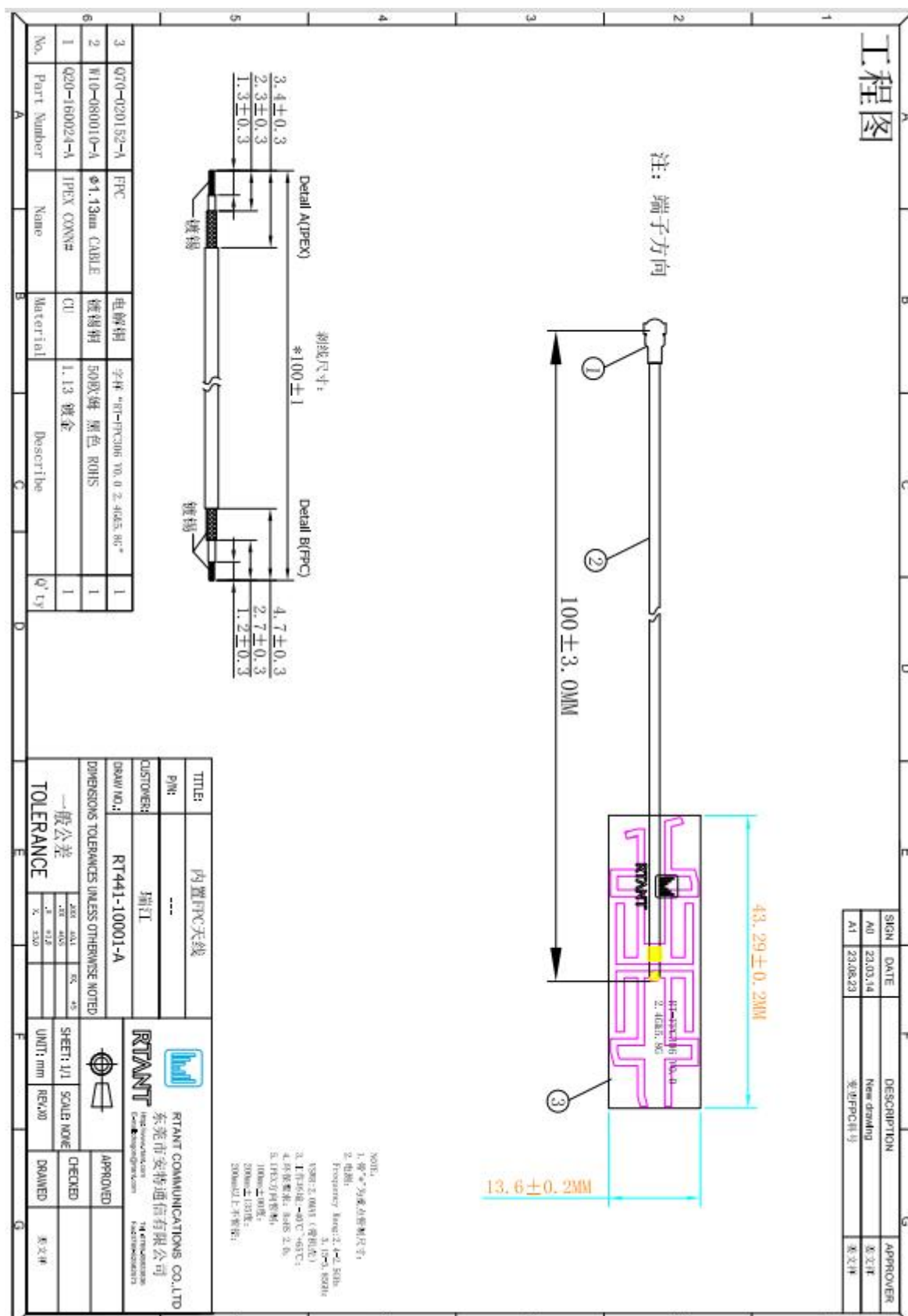
6. 样品检验报告Sample inspection report

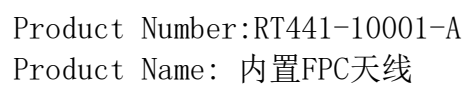
日期: 2026.05.12

送检数量		5PCS	合格数量		5PCS			
检验项目		检验标准及说明	检验结果					判定
			No. 1	No. 2	No. 3	No. 4	No. 5	
外观	线材	对比无色差、无脏污、无破损，无刮伤	pass	pass	pass	pass	pass	■OK □NG
	IPEX	对比无色差、无脏污、无破损，无刮伤	pass	pass	pass	pass	pass	■OK □NG
	塑胶	对比无色差、无脏污、无破损，无刮伤						□OK □NG
	焊接	焊接后不能冷焊、假焊、锡尖、锡珠、漏焊	pass	pass	pass	pass	pass	■OK □NG
	浸锡	浸锡后不能有锡尖，凸锡球，无浸锡、变形						□OK □NG
	其他							□OK □NG
主要尺寸	1	100±3mm	100	100	100	100	100	■OK □NG
电气及功能测试	Frequency Rang	2400-2500MHz 5150-5850MHz						
	VSWR	<2.0	pass	pass	pass	pass	pass	■OK □NG
机械性能	拉力	Cable与IPEX组装后拉力大于1.0kg	1.8	1.6	1.7	1.6	1.8	■OK □NG
备注								
最终判定		☒ 合格 ☐ 不合格 ☐ 条件认可						

审核: 张超超

检验: 雷娟兰





Technical drawing of an internal antenna (内置PCB天线) showing its assembly and packaging. The drawing includes a side view (侧视) of the antenna, a top view (顶视) of the antenna, and a perspective view of the antenna in its packaging. The antenna is shown with a PE BAG SHRINK LINE and a label (标签). The drawing is labeled with dimensions and tolerances.