



Amphenol

天线规格承认书

Antenna Specification Approval Sheet

客户 customer	Qisda Corporation
项目 Project	Olympic (VP6825)
品名 Antenna	Mid Frame (NA)
客户料号 Customer P/N	TY.2ECU0.00A
SAA 料号 SAA P/N	TJD870-16-000-R
图纸号 Drawing NO.	TJD870-16-000-R
图纸版本号 Drawing Rev.	DVT
日期 date	2022-01-06

内部签字栏 SAA signature					
ME	PE	QE	RF	PM	Check by
Jachi Zou	Jiangdong Wu	Blair Lu	Yangfei Jiao	Stephen Lei	Bruce Tang

客户签字栏 Customer approval		
Approval by	Approval by	Approval by

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Revision History

Date	Revision	Description of Changes
2021-01-06	A	Initial approve sheet for antenna

1	ANTENNA DESCRIPTION.....	1-3
1.1	Components/Part number	1-3
1.2	Antenna picture.....	1-3
2	MECHANICAL DESCRIPTION.....	2-4
2.1	Appearance Drawing	2-4
2.2	Package drawing	2-5
3	ELECTRICAL PROPERTIES.....	3-6
3.1	Matching Circuit Description.....	3-6
3.2	Frequency Range	3-6
3.3	Return Loss	3-6
3.4	Efficiency.....	3-7
4	PHYSICAL PROPERTIES	4-8
4.1	Antenna material.....	4-8
4.2	Operating temp	4-8
4.3	Storage temp	4-8
5	RESTRICTED SUBSTANCES CONCENTRATION EVALUATION REPORT..	5-9

1 Antenna Description

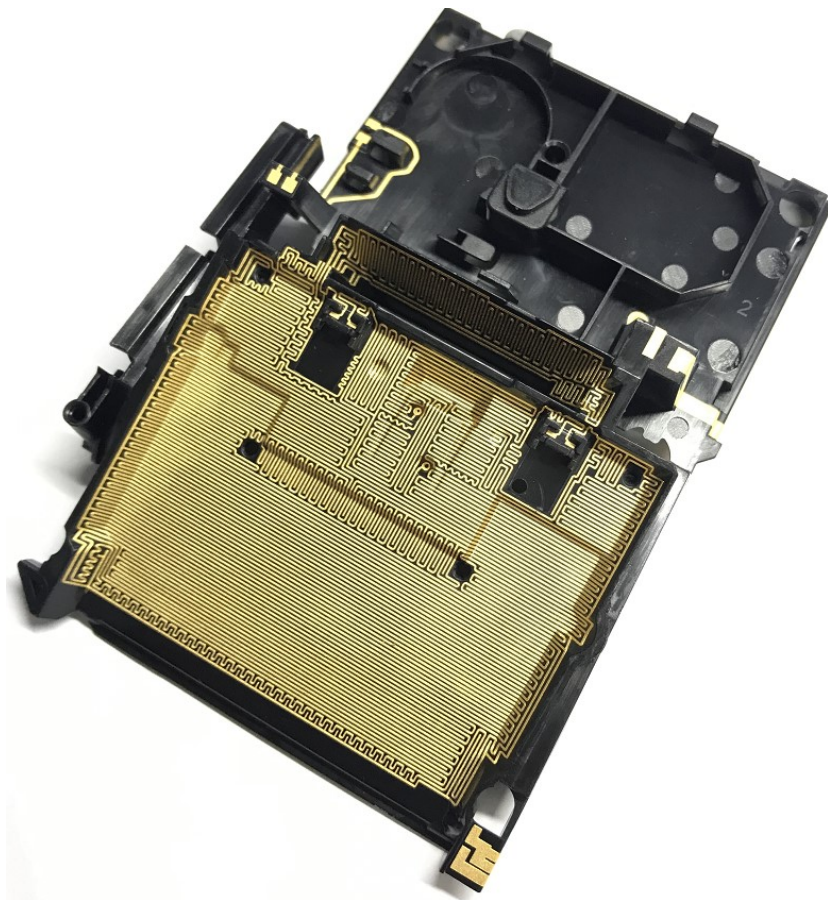
The production and manufacturing of this antenna is accordance with the requirements of ID-TECH's Technical Standard.

1.1 Components/Part number

SAA P/N: TJD870-16-000-R

Qisda P/N: TY.2ECU0.00A

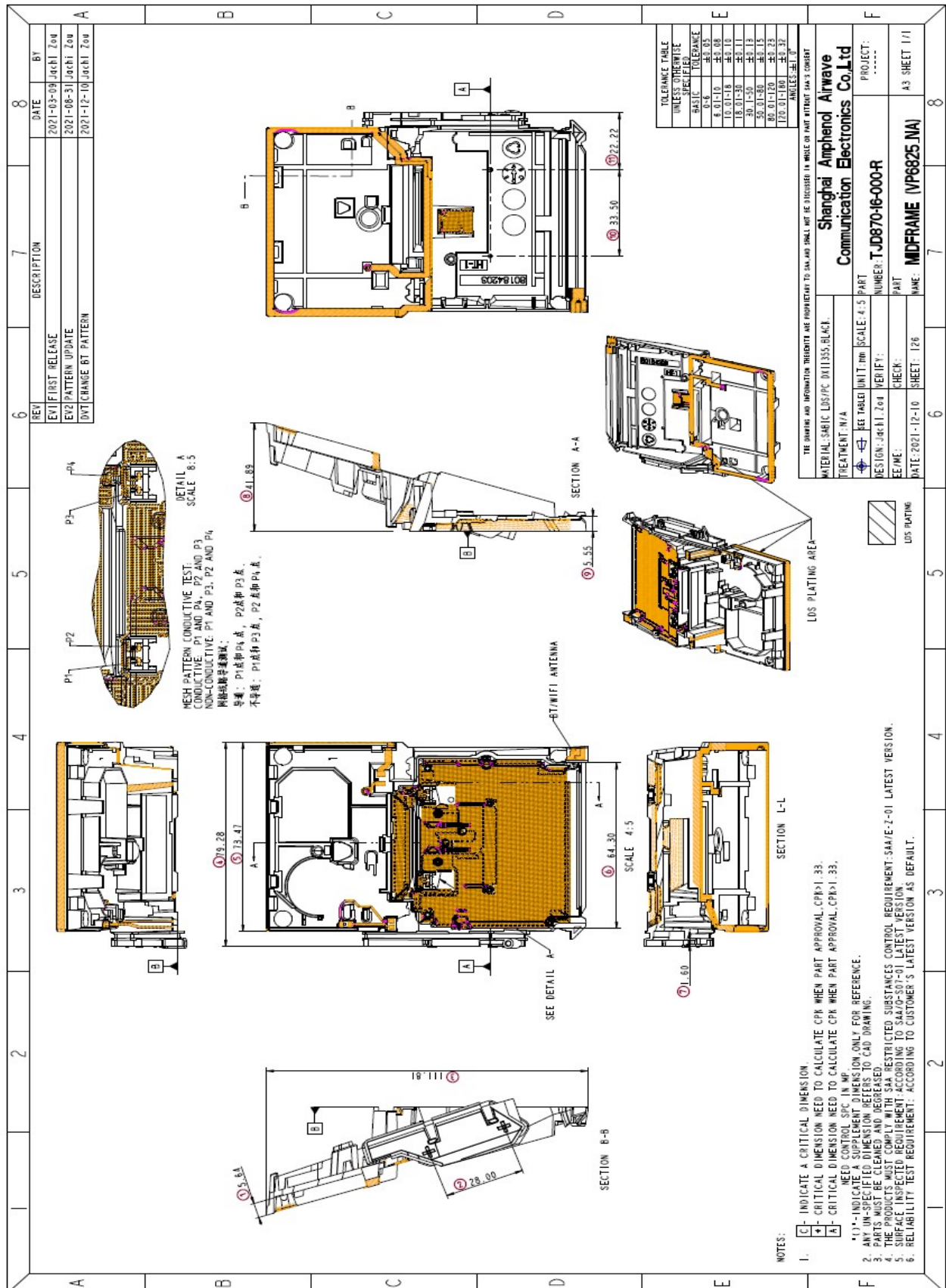
1.2 Antenna picture



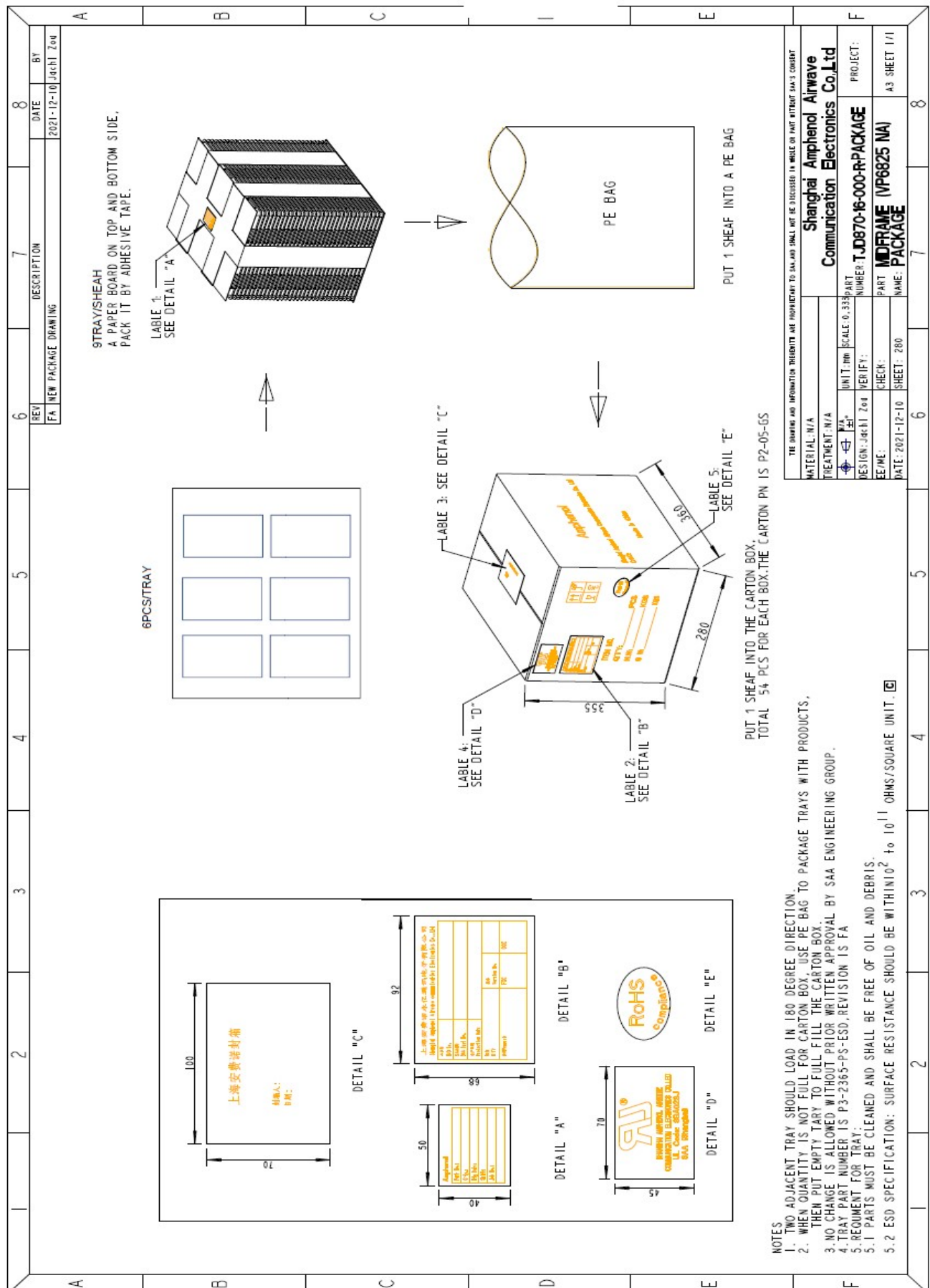
Antenna picture

2 Mechanical Description

2.1 Appearance Drawing



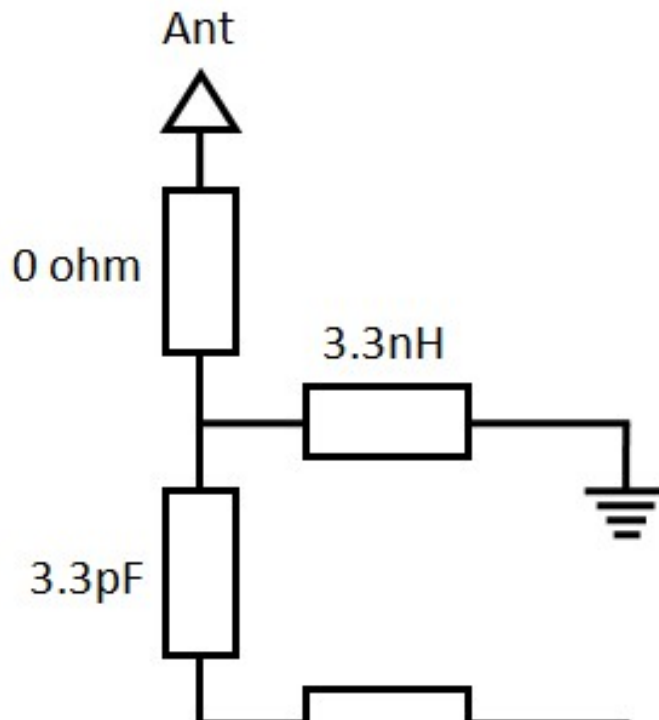
2.2 Package drawing



3 ELECTRICAL PROPERTIES

3.1 Matching Circuit Description

Matching Circuit for WiFi Antenna:



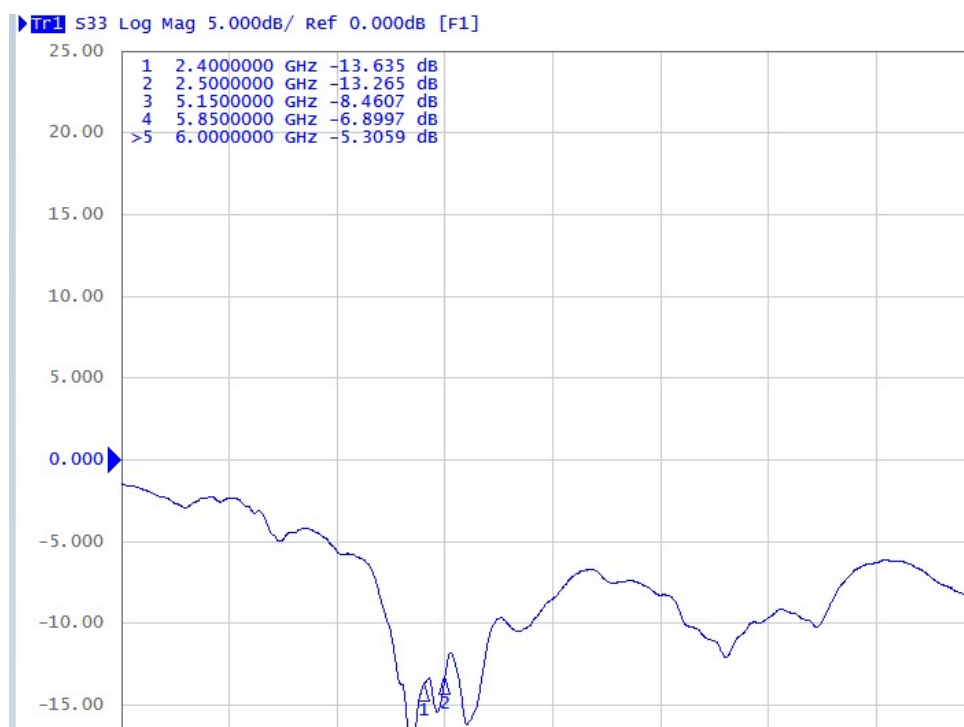
3.2 Frequency Range

NFC Antenna: 13.56MHz

WiFi Antenna: 2.4-2.5GHz & 5.15-5.85GHz

3.3 Return Loss

WiFi Antenna:



3.4 Efficiency

WiFi Antenna:

Freq. MHz	Effi. %	Effi. dB	Peak Gain. dBi
2400	37%	-4.3	1.7
2420	38%	-4.2	1.8
2440	36%	-4.4	1.4
2460	35%	-4.6	0.7
2480	35%	-4.5	0.4
2500	35%	-4.6	0.7
5150	27%	-5.7	0.1
5200	28%	-5.5	0.8
5250	30%	-5.3	0.7
5300	29%	-5.4	1.5
5350	27%	-5.7	0.5
5400	27%	-5.7	0.7
5450	27%	-5.7	1.1
5500	26%	-5.9	1.2
5550	25%	-6.0	0.9
5600	21%	-6.7	0.4
5650	25%	-6.1	0.5
5700	19%	-7.1	0.4
5750	18%	-7.4	0.2
5800	21%	-6.9	0.1
5850	19%	-7.1	-0.7

4 PHYSICAL PROPERTIES

4.1 Antenna material

Part name	Material/Spec./Size.
LDS plating	Plating Cu 12~18mm min, Ni 2~5um, Au 0.05um min.
Mid frame	Sabic LDS/PC DX11355, Black.

4.2 Operating temp

-20℃~+50℃

4.3 Storage temp

Storage temperature span -20deg~+40deg

* Recommended storage condition +10deg~+30deg.

Report



限用物质含量符合性评估报告

Restricted Substances Concentration Evaluation Report

项目/产品名称Project/part name: VP8810 mid frame
SAA料号SAA P/N: TJD866-16-000-R

评估结果
Evaluate
result

客户名称Customer name: TJ
客户料号Customer P/N:

项目经理PM: RD工程师RF/ME: Jachi Zou
采购员Sourcing:

注意事項(Notice):

1. 下表须填写部件材料的最小组成成分,即无法继续用物理方法进行再分解的最小组成。The composition of a substance should write to the minimum unit, which can be decomposed physically.

2.项目要求Project requirement: ROHS (Y)、HF(Y)、Be()、PFOS/PFOS()、Others(); 填Y代表有要求, N代表无要求;input Y means Yes, input N means No.

3...对于不适用的测试项目, 请填写“n/a”, Not applicable items should be input “n/a”.

[illegible]

Prepared by: Qiaohong.Li
Reviewed by: Sara Dong

SAA/QE-02-02C