

**CARTE / PCB**  
**STARTERKIT WISMO PAC**  
**VERSION 3.2**

DOSSIER CIRCUIT IMPRIME / PCB FILE	STARTERKIT WISMO PAC V3.2
SERVICE / DEPARTMENT	14501
REFERENCE WAVECOM	WM2054-010-32
DATE	17/04/2002

<b>AUTORISATION DE COMMUNICATION ET REPRODUCTION / AGREEMENT COMMUNICATION &amp; REPRODUCTION</b>	
NOM / NAME	
SERVICE / DEPARTMENT	
SOCIETE / COMPANY	

CE DOCUMENT EST UN ORIGINAL  
IL EST IMPERATIF DE LE RESTITUER  
A SON EMPLACEMENT INITIAL DANS  
LES PLUS BREFS DELAIS.

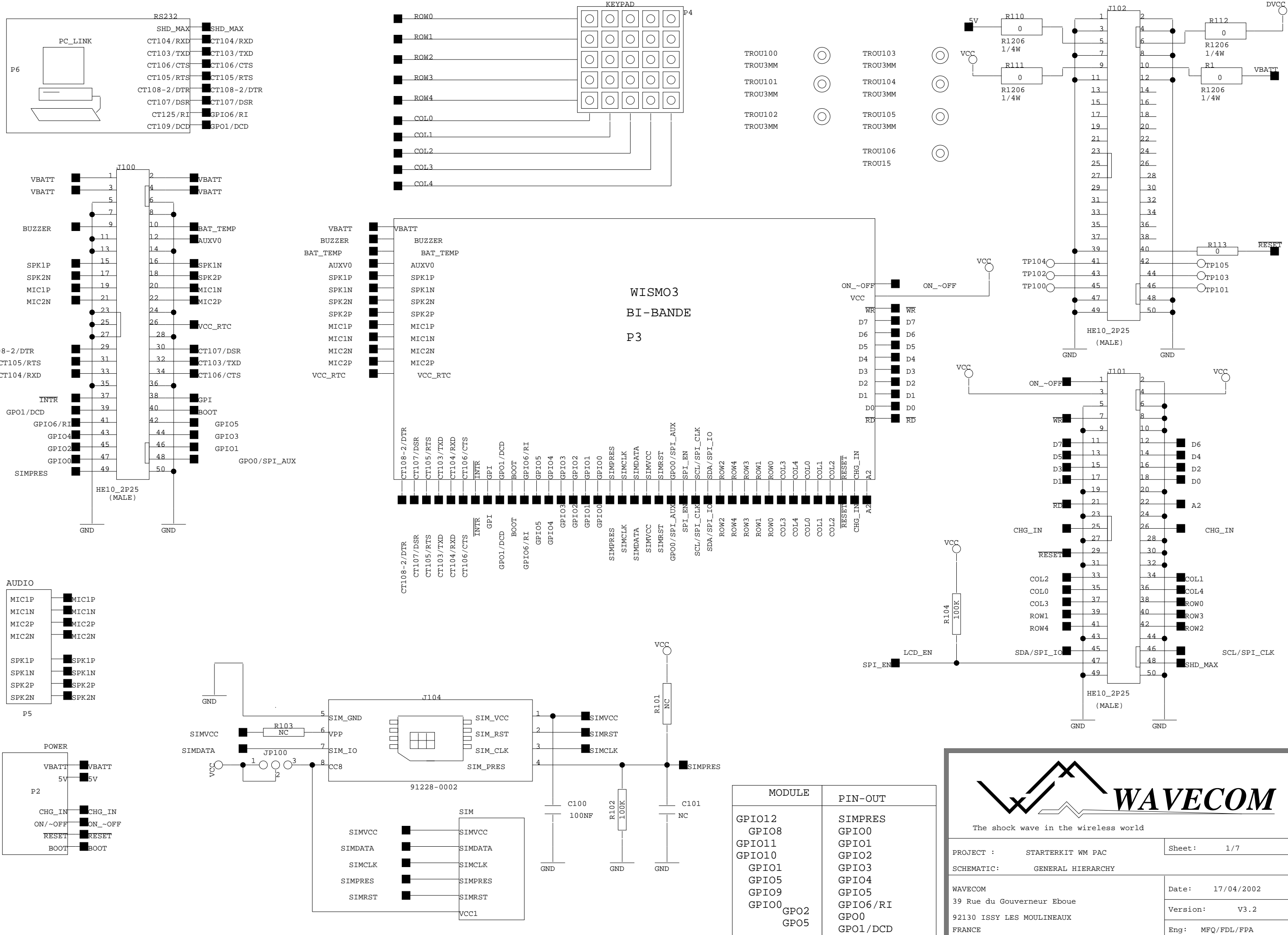
MERCI DE VOTRE COMPREHENSION

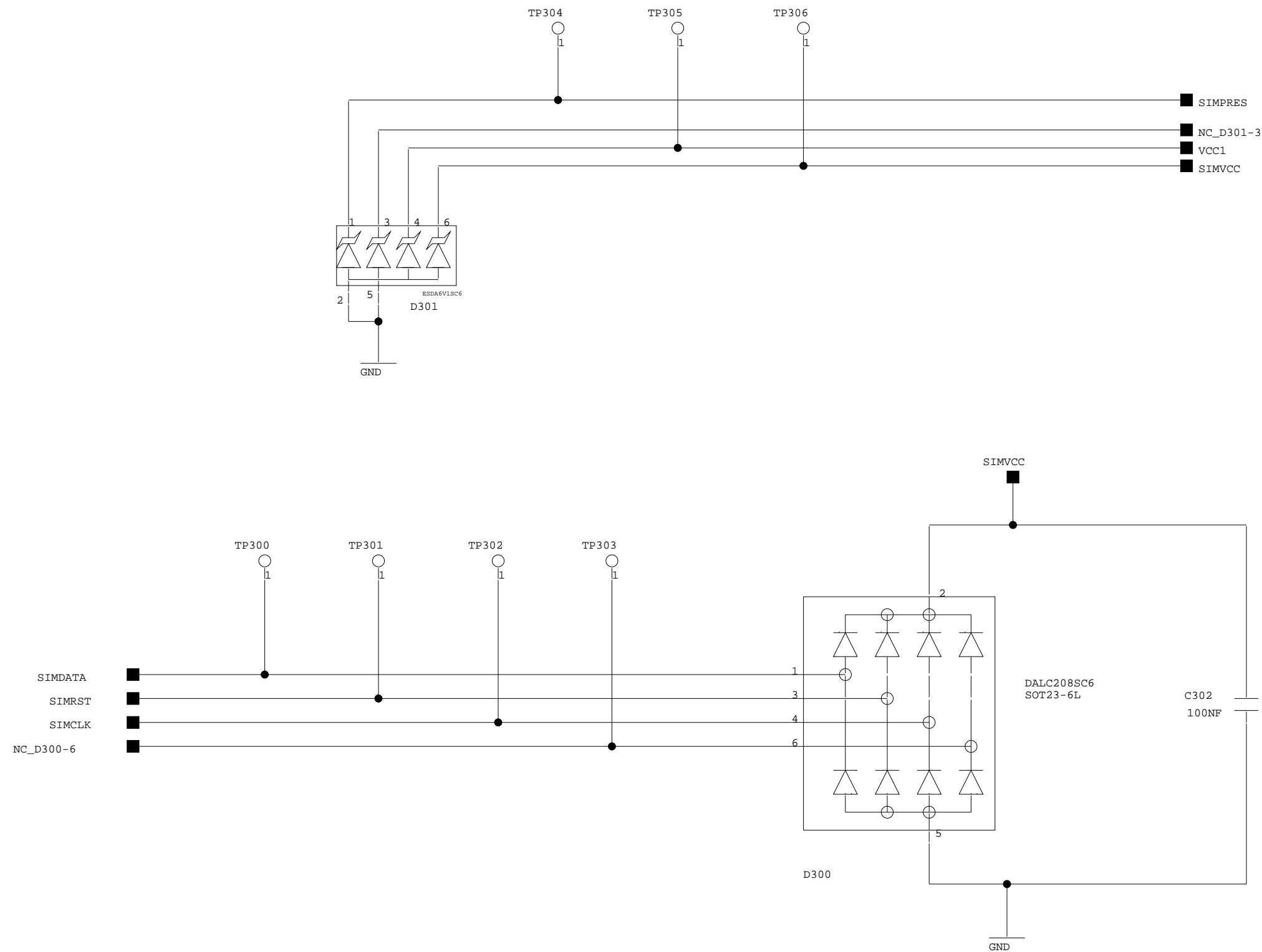
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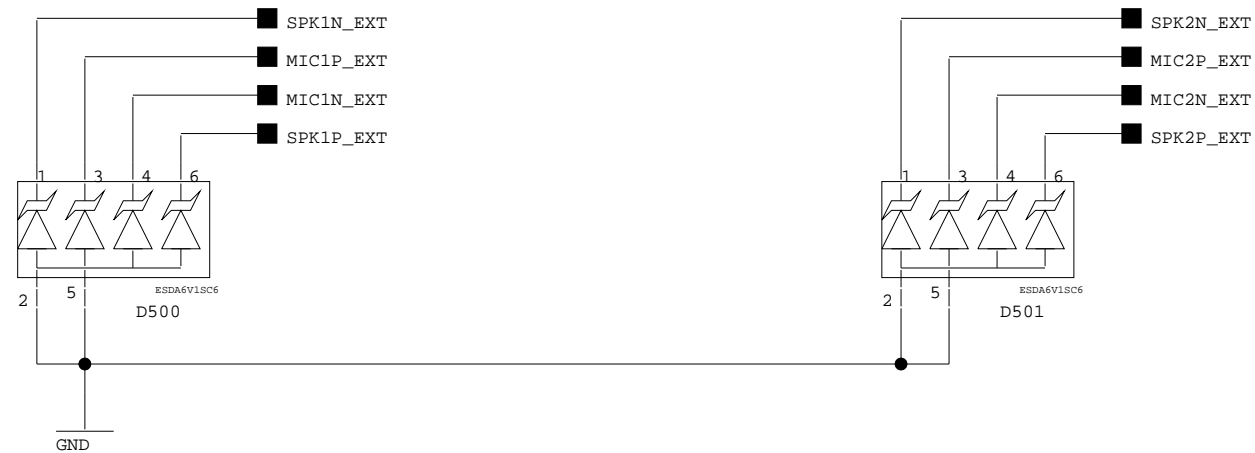
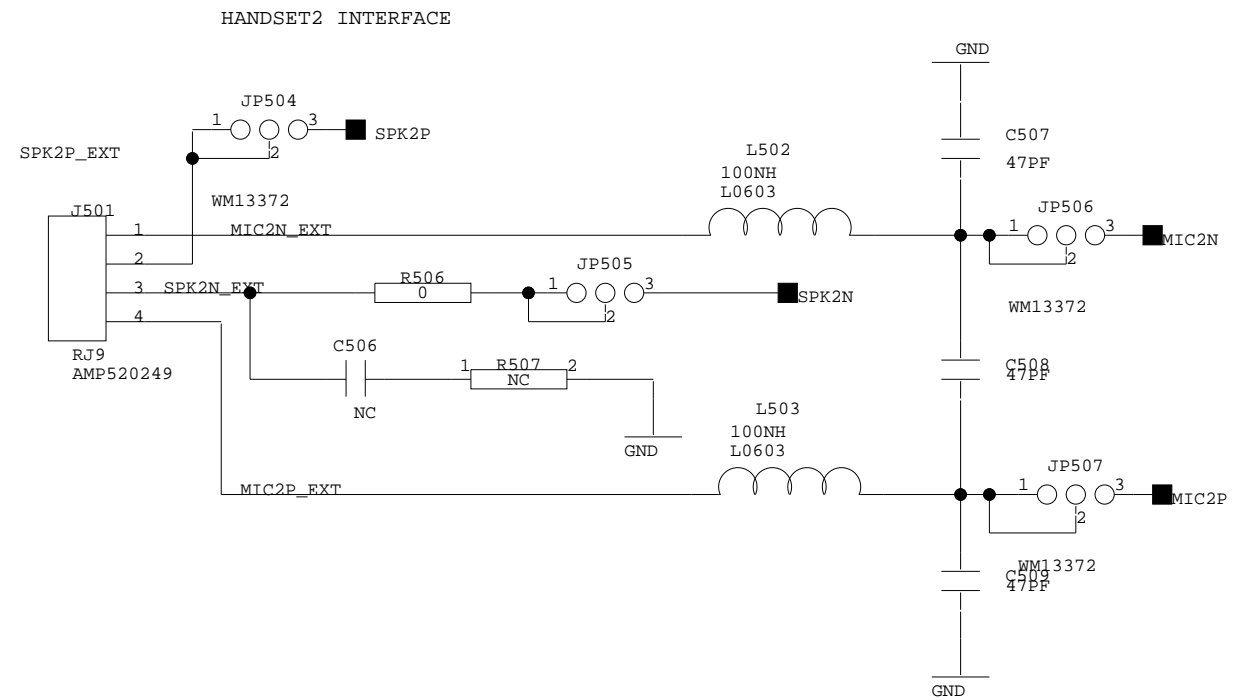
- - SCHEMAS / *SCHEMATICS*
- - NOMENCLATURE / *BILL OF MATERIALS*
- - DOSSIER CIRCUIT IMPRIMEE / *PCB FILE*
- - PLAN D'EQUIPEMENT / *ASSEMBLY DRAWING*
- - DOSSIER DE FABRICATION / *MANUFACTURING FILE*
- - PLAN DE MISE EN PANNEAU / *PANEL OUTLINE*
- - REMARQUES & MODIFICATIONS / *COMMENTS & MODIFICATIONS*
- - DIVERS / *MISCELLANEOUS*

# **SCHEMAS**

## ***SCHEMATICS***

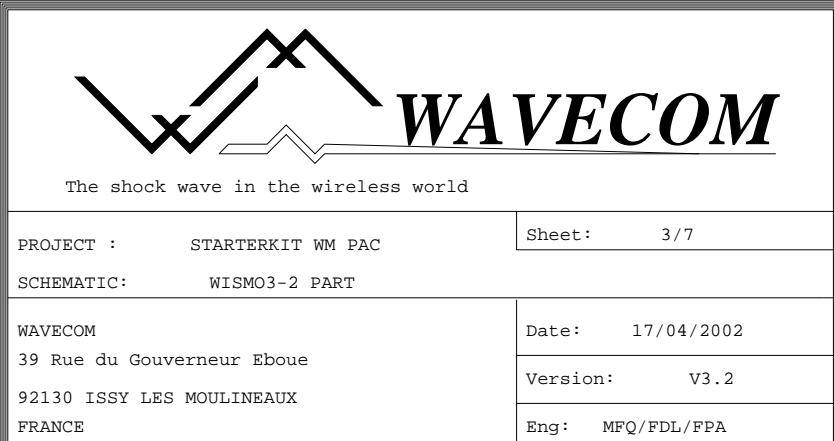




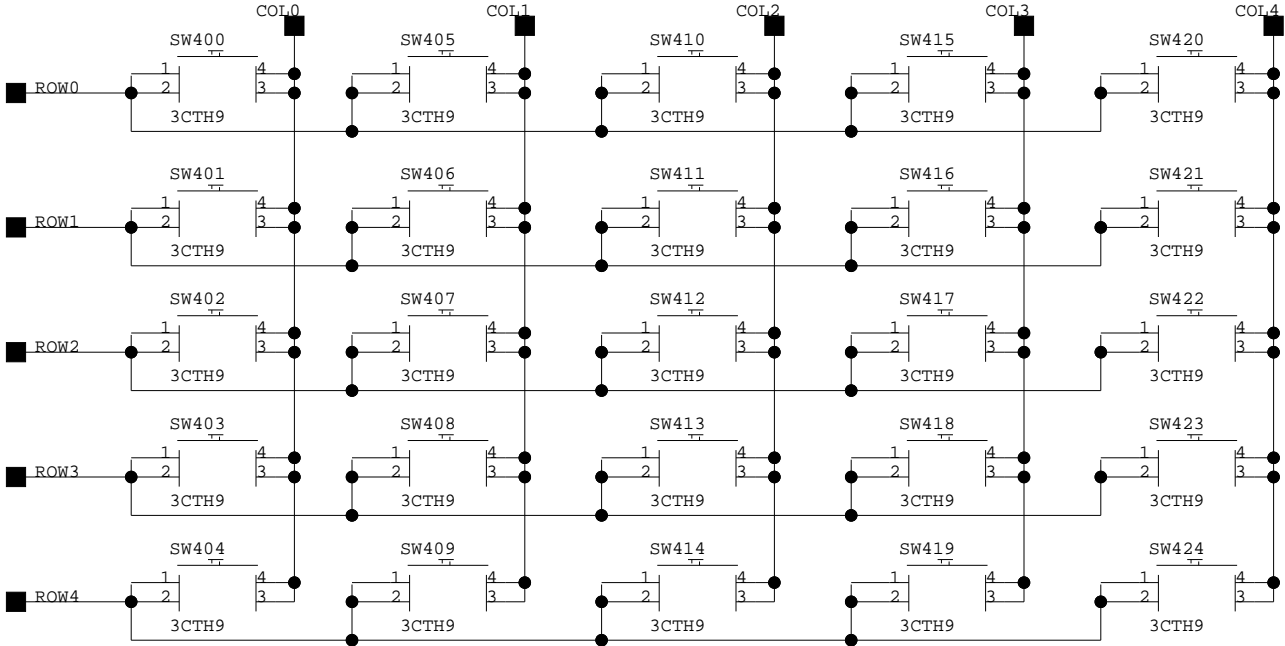


The shock wave in the wireless world

PROJECT :	STARTERKIT WM PAC	Sheet :	5/7
SCHEMATIC :		AUDIOs	
WAVECOM 39 Rue du Gouverneur Eboue 92130 ISSY LES MOULINEAUX FRANCE		Date :	17/04/2002
		Version :	V3.2
		Eng :	MFQ/FDL/FPA







The shock wave in the wireless world

PROJECT : STARTERKIT WM PAC

SCHEMATIC: KEYPAD

WAVECOM  
39 Rue du Gouverneur Eboue  
92130 ISSY LES MOULINEAUX  
FRANCE

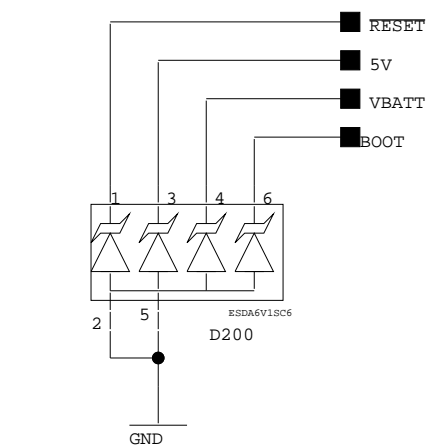
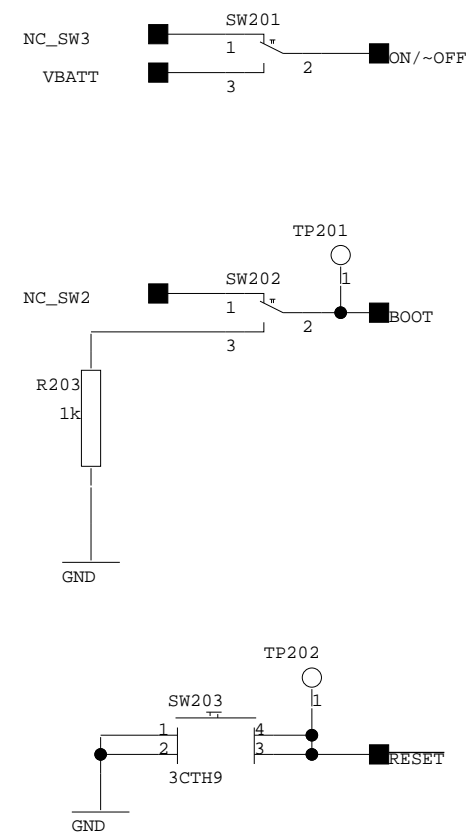
Sheet: 4/6

Date: 17/04/2002

Version: V3.2

Eng: MFQ/FDL/FPA





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SW3 IS TURNED ON "+VBATT" TO ENABLE WISMO'S
BASE BAND REGULATORS.
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Sheet: 2/7

Eng: MFQ/FDL/FPA

# **NOMENCLATURE**

## ***BILL OF MATERIALS***

# **DOSSIER PCB**

## ***PCB FILE***

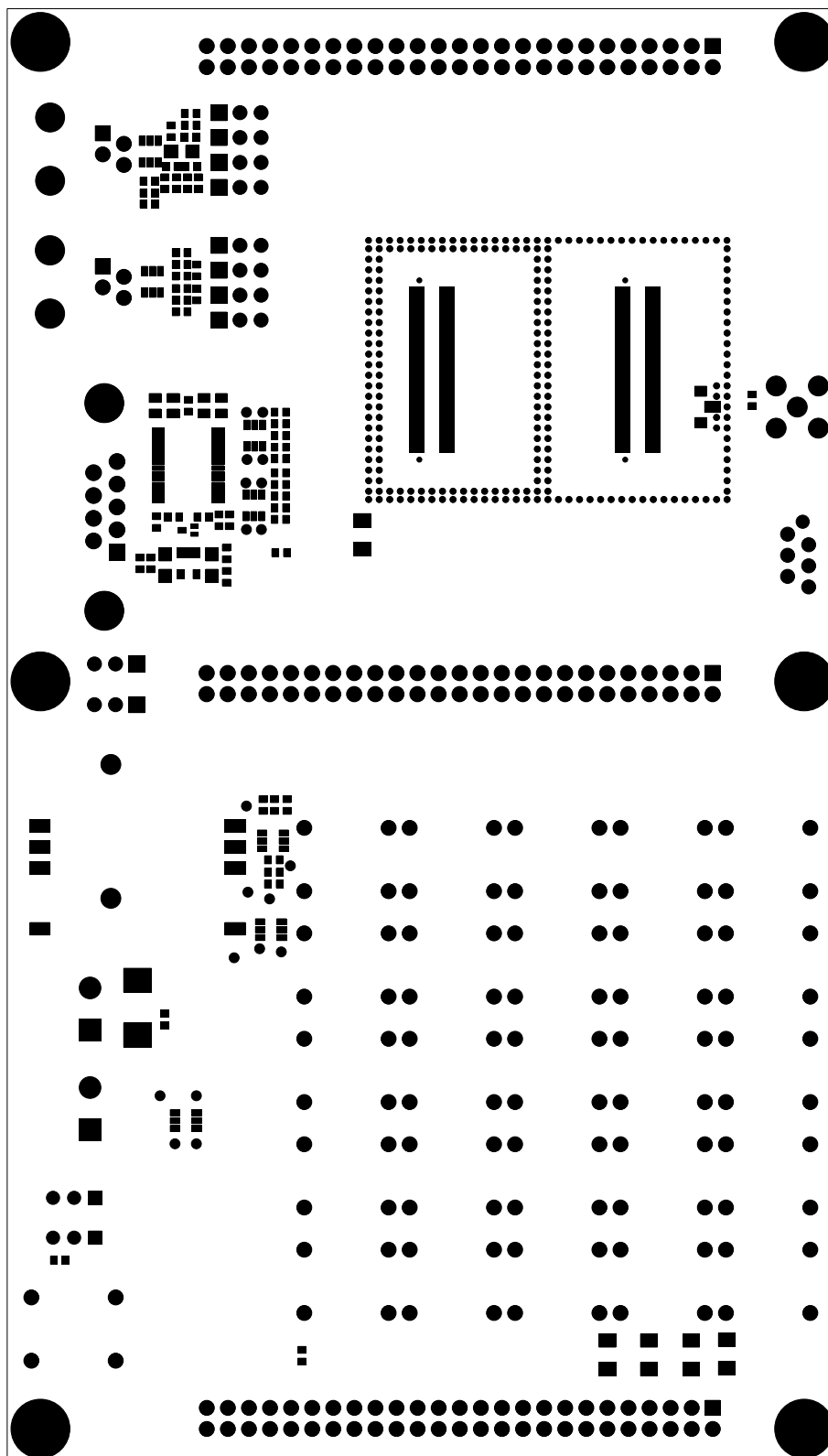






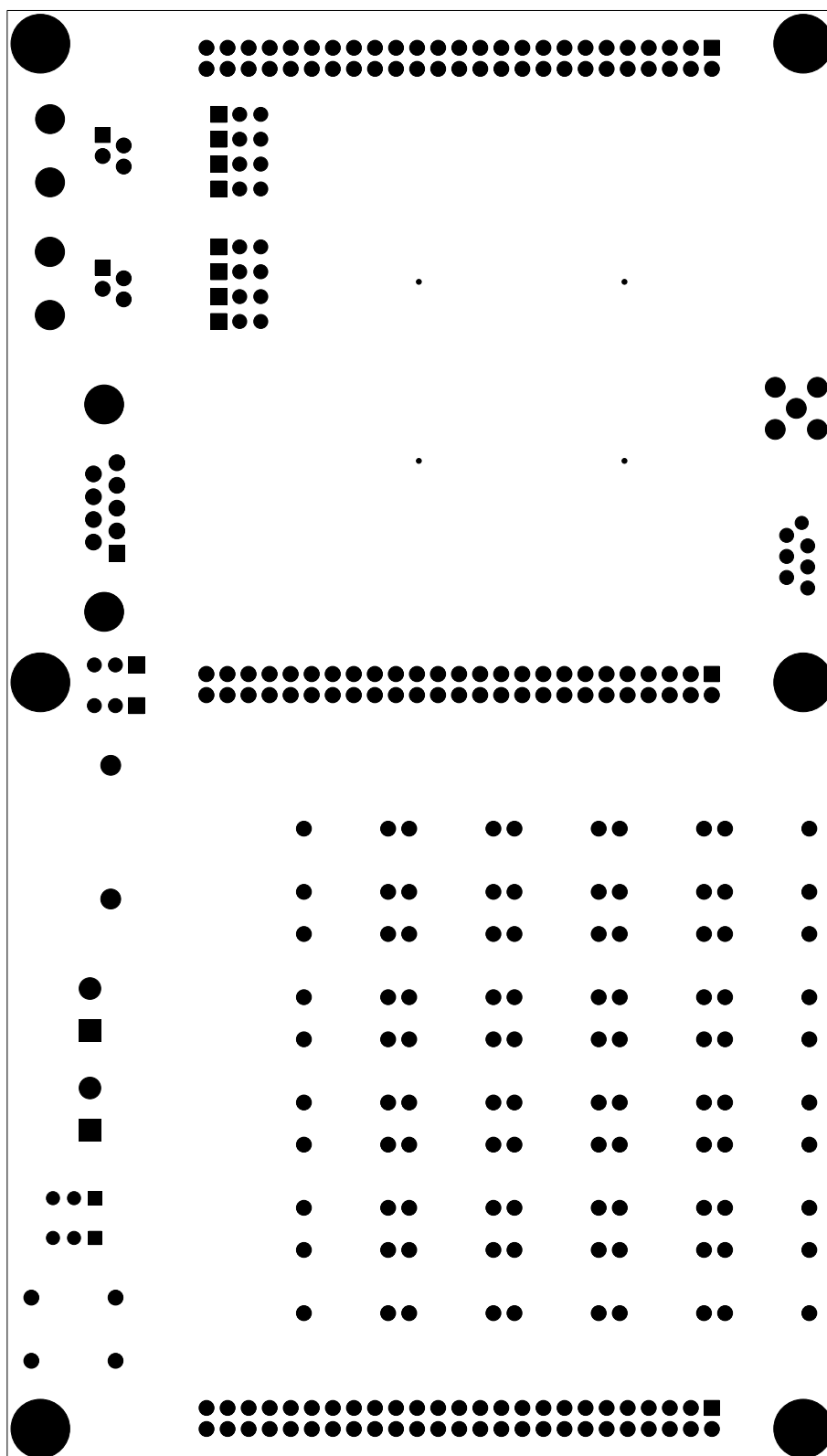







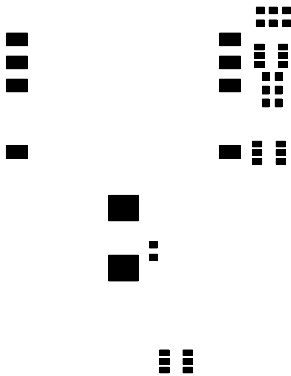
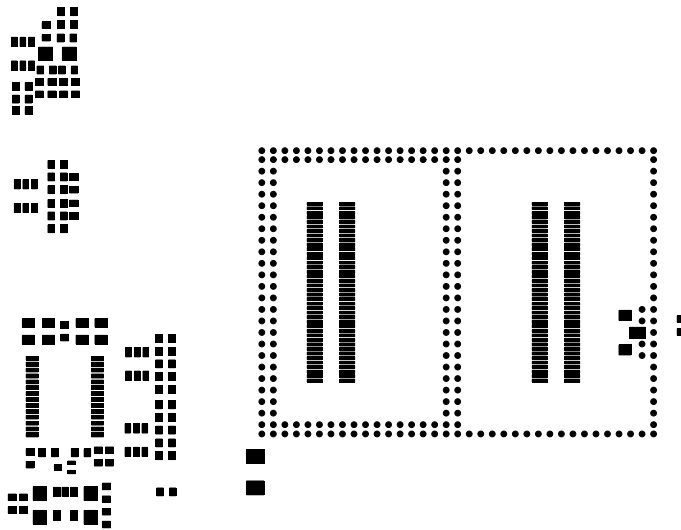
DATE	17/04/2002	<b>wavecom</b> ®
VERSION	V3.2	
ENG	MFQ PRG	
TITLE	SOLDER MASK TOP	SCALE 0 2 4mm 0 2 4mm
PROJECT	STARTERKIT WISMO PAC	FORMAT --
N° D'IDENTIFIANT		WM2054-010-32

	LEVEL			
11				
21				



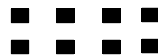
N : D'IDENTIFIANT		WMW0204-010-32	
PROJECT		STARTERKIT WISMO PAC	
TITLE		SOLDER MASK BOTTOM	
ENG	MFO PRG	SCALE 0.2 mm	
VERSION	V3.2	FORMAT --	
DATE 17/04/2005			

LEVEL			
12			
	28		



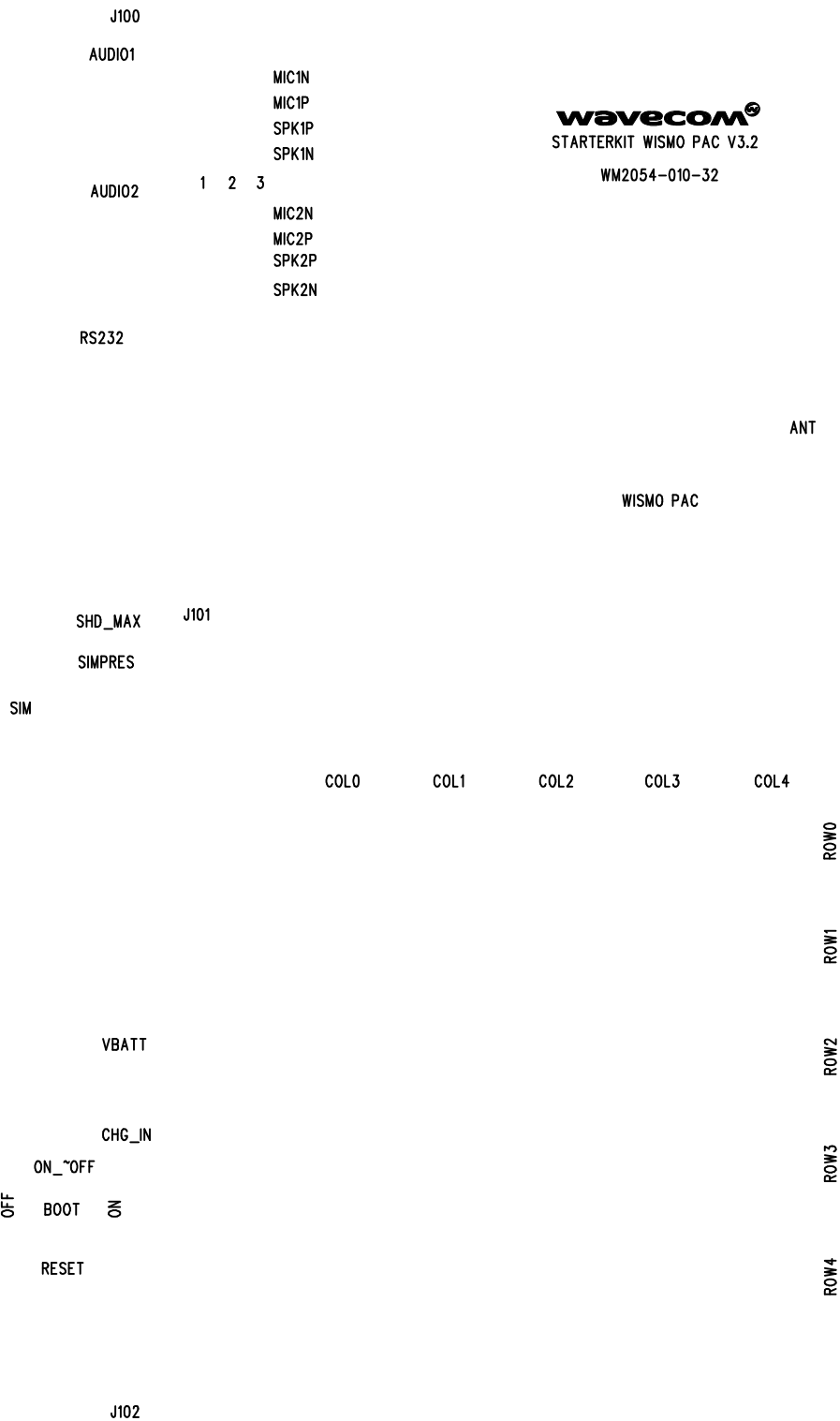
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DATE	17/04/2002	<b>wavecom</b> <sup>®</sup>
VERSION	V3.2	
ENG	MFQ PRG	
TITLE	PASTE MASK TOP	SCALE 0 2 4mm 0 2 4mm
PROJECT	STARTERKIT WISMO PAC	FORMAT --
N° D'IDENTIFIANT		WM2054-010-32

LEVEL			
11			
	23		



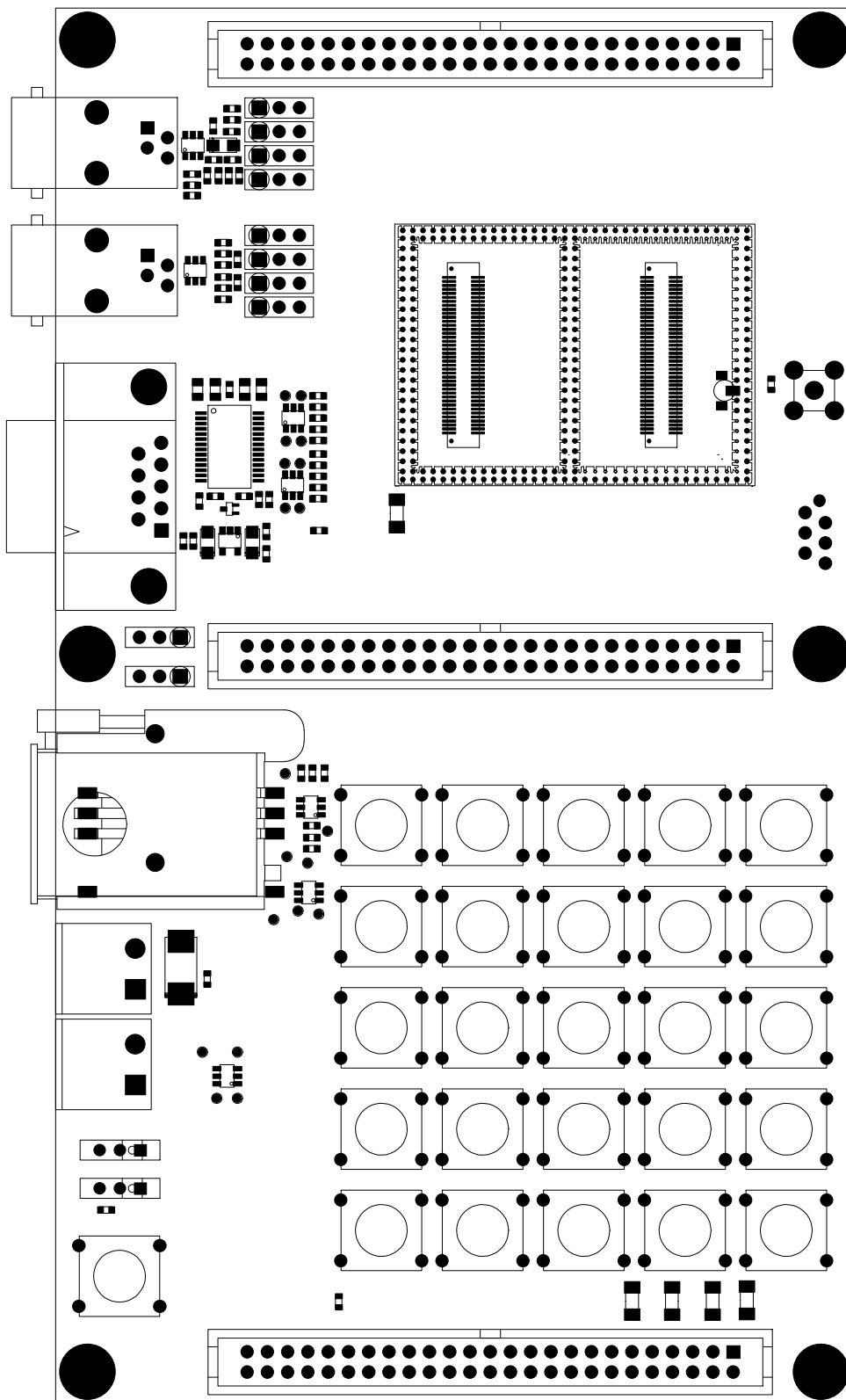
DATE	17/04/2002	<b>wavecom</b> <sup>®</sup>
VERSION	V3.2	
ENG	MFQ PRG	
TITLE	SILKSCREEN TOP	SCALE 0 2 4mm 0 2 4mm
PROJECT	STARTERKIT WISMO PAC	FORMAT --
N° D'IDENTIFIANT		WM2054-010-32

LEVEL			
11			
26			

# **PLANS D'EQUIPEMENTS**

## ***ASSEMBLY DRAWINGS***





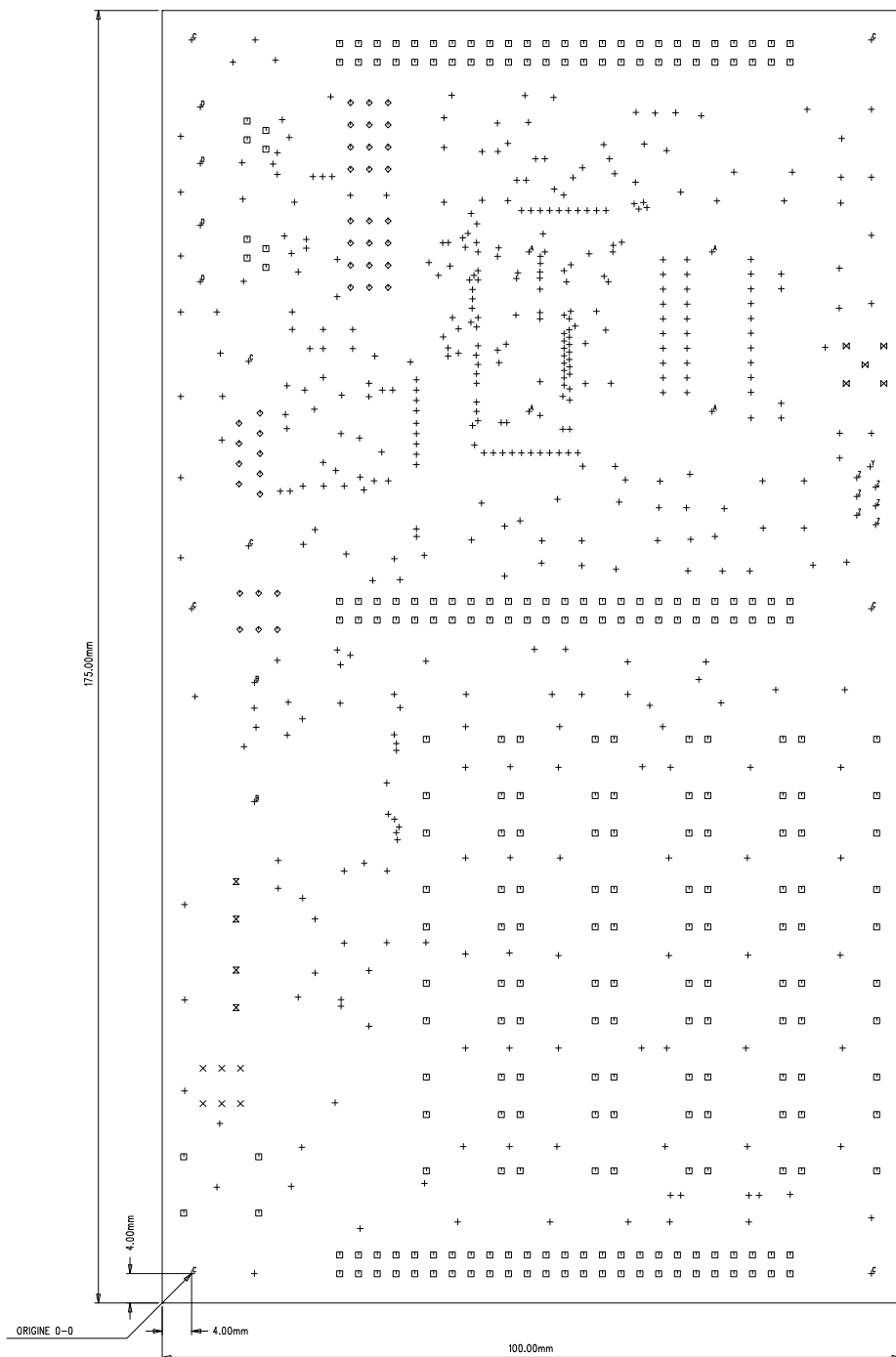
DATE	17/04/2002	<b>wavecom</b> <sup>®</sup>
VERSION	V3.2	
ENG	MFQ PRG	
TITLE		SCALE
ASSEMBLY DRAWING TOP		0,2 - 4mm 0.2 - 4mm
PROJECT		FORMAT
STARTERKIT WISMO PAC		--
N° D'IDENTIFIANT		WM2054-010-32

LEVEL	
11	
27	



# **DOSSIER DE FABRICATION**

## ***MANUFACTURING FILE***



SIZE	QTY	SYM	PLTD
0.2	437	+	PLTD
0.8	6	×	PLTD
0.9	262	□	PLTD
1	39	◇	PLTD
1.5	4	⊗	PLTD
1.6	5	⊗	PLTD
0.6	4	A	NPLTD
2.3	2	B	NPLTD
3	8	C	PLTD
3.3	4	D	NPLTD
1.5	1	Y	NPLTD
0.85	6	Z	PLTD

- PCB CONDITIONS -	
Number of Layers	4
Final PCB Thickness	1.6 mm
Minimal Width of Conductor	150 u
Minimal Space Between Conductor	150 u
Material	FR4
Copper Thickness	---
Dimensions (mm x mm)	100 x 175
Solder Mask Top Layer	YES
Solder Mask Bottom Layer	YES
Silkscreen Top Layer	YES
Silkscreen Bottom Layer	NO
Gold Top Layer	YES
Gold Bottom Layer	YES
Ni Au Finition	YES
GERBER Files	4.4 Metric
EXCELLON Files	4.4 Metric

Outline general allowance =  $\pm 0.2\text{mm}$

External copper thickness 17  $\mu$   
 Internal copper thickness 35  $\mu$

1	360u	LAYER TOP	WR
2	760u	LAYER MIDDLE1	PLANE (GND)
3	760u	LAYER MIDDLE2	PLANE (GND)
4	360u	LAYER BOTTOM	WR

DATE	17/04/2002	<b>wavecom</b>	
VERSION	V3.2		
ENG	MFQ PRG		
TITLE	DRILL DRAWING		SCALE 0.2 : 1 mm
PROJECT	STARTERKIT WISMO PAC		FORMAT --
N° D'IDENTIFIANT		WM2054-010-32	

LEVEL	
11	
	24

# **PLAN DE MISE EN PANNEAU**

## ***PANEL OUTLINE***

# **REMARQUES & MODIFICATIONS**

## ***COMMENTS & MODIFICATIONS***

# **DIVERS**

## ***MISCELLANEOUS***