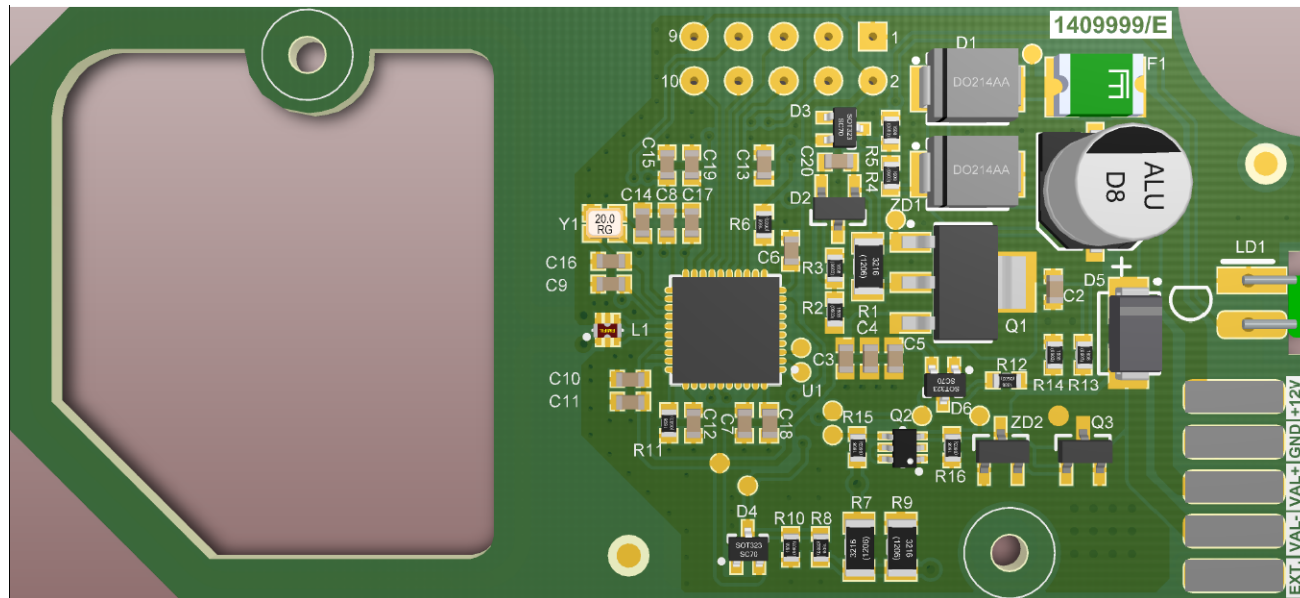Technical Map:

WK2.0 RX
8 429 001

Drawn By: Elvis Stanic
Materija,   26.02.2015

DESIGN INFORMATION/SPECIFICATION

BOARD TECHNOLOGY   BOARD SIZE
_ **74,1mm** X **34,0mm**

(MIN. TRACK / PADS / CLEARANCE 0.2mm)
MINIMUM ANNULAR RING 0.05mm (0.002") EXTERNAL PER IPC–D–275 CLASS 2 LEVEL C AND IS THE
MANUFACTURING REGISTRATION ALLOWANCE

CIRCUIT TYPE: [ ] SS   [X] DS   [ ] PTH MULTILAYER [ ] Number of Layers : _____

MATERIAL: [X] FR4   [ ] CEM1   [ ] FR2   [ ] POLYIMIDE [ ] ARLON [ ] TUC–722

     THICKNESS: [ ] 0.8mm [ ] 1.2mm [X] 1.6mm [ ] 2.2mm [ ] 3.2mm
     TOLERANCE: [X] **IN A/W ANSI IPC–6012 TYPE 2 CLASS 2** [ ] OTHER +/–_____
     BOW & TWIST: [X] **IN A/W ANSI IPC–6012 TYPE 2 CLASS 2** [ ] AS SHOWN
     COPPER THICKNESS
       OUTER: [ ] 18um (1/2oz) [X] **35um (1oz)** [ ] 70um (2oz)
       INNER SIGNAL: [ ] 18um (1/2oz) [X] **35um (1oz)** [ ] 70um (2oz)
       INNER PWR: [ ] 18um (1/2oz) [X] **35um (1oz)** [ ] 70um (2oz)

DRILLING:
     VIEWED FROM: [X] **COMPONENT SIDE** [ ] SOLDER SIDE
     REFERENCE: [ ] AS SHOWN [ ] PATTERN MASTER LIST [X] **NC_ DRILL FILES**
     PTH MINIMUM COPPER THICKNESS: [X] **20um** [ ] OTHER_____

VIAS: [ ] NONE [X] **FEED THRU'** [ ] TENTED [ ] BURIED LAYER SEQUENCE _____
      [X] **UNIQUE DRILL** [ ] 2 SIZES [ ] BLIND LAYER SEQUENCE _____

SILKSCREEN:
     LEGEND / SCREEN PRINT: [ ] NONE [X] **TOP OVERLAY (GTO)** [ ] BOT. OVERLAY (GBO)
     COLOUR: [X] **WHITE** [ ] BLACK [ ] OTHER_____

SOLDER RESIST: [X] **TOP SOLDER (GTS)** [X] **BOTTOM SOLDER (GBS)**
     COLOUR: [X] **GREEN** [ ] BLUE [ ] OTHER_____

FINISH: [ ] OSP Preservative
       [ ] HAL (RoHS)
       [X] **IMMERSION TIN (RoHS)** [ ] OTHER_____
       [ ] IMMERSION GOLD (RoHS)
       [ ] HARD GOLD [ ] OTHER_____
       [ ] AS SHOWN [ ] REFER_____

PANELIZATION: [X] **YES** [ ] NO   PANEL SIZE:_____

PEEL ABLE MASK: [ ] YES [X] **NO**   LAYER:_____

PROFILING: [X] **CUT AND TRIM ACCORDING TO LAYER MECHANICAL 1 (GM1)**
     [ ] REFER PCB BLANK DWG No. _____
     [ ] USE PROFILE/ ROUTE TAPE SUPPLIED (REFER PATTERN MASTER LIST)
     [ ] SQUARE CUT [X] **N.C. ROUTE** [ ] V. SCORE [ ] BLANK

PHOTOPLOTTER: DATA TYPE: RS274X, UNIT: MILIMETERS, FORMAT: 2:4
     EXTENSIONS: .GTL .GBL .GTO .GBO .GTS .GBS .GTP .GBP .Gx .GPx .GMx .GM1

NC DRILL: SUPPRESS TRAILING ZEROES, UNIT: MILIMETERS, FORMAT: 2:4
     EXTENSION: .TXT

ACCEPTABILITY: MATERIALS AND WORKMANSHIP FOR ALL PRINTED WIRING BOARDS TO MEET
     OR EXCEED THE REQUIREMENTS OF:
     [X] **IN A/W ANSI IPC–A–600F** [ ] 1 [X] **2** [ ] 3
     [ ] UL CERTIFICATION [ ] UL LOGO ON PCB
     [ ] MIL–P–55110E GRP [ ] A [ ] B [ ] AS2546 [ ] OTHER_____

ADDITIONAL REQUIREMENTS:
     MICROSECTION: [X] **NONE** [ ] SAMPLE PLAN [ ] MIL–P–55110E SERIAL Nos. PER ORDER
     CERTIFICATION: [ ] NONE [ ] MIL–P–55110E GRP [ ] A [ ] B IPC CLASS: [ ] 1 [X] **2** [ ] 3
         [ ] QUALITY RELEASE REPORT [X] **OTHER _ PER ORDER**
     ELECTRICAL TEST: Bare Board [ ] NONE [X] **REQUIRED** [ ] PER ORDER
     SURFACE MOUNT: [ ] NONE [X] **1 SIDE** [ ] 2 SIDES [ ] MIN. PITCH _ **0.50mm**
     MANUFACTURER'S ID/LOGO: [X] **NONE** [ ] FOIL [ ] LEGEND [ ] REFER
     MANUFACTURER'S ACCREDITATION: [X] **ISO9001** [ ] NONE
     PACKAGING AND HANDLING: [X] **PER ORDER** [ ] REFER_____

ABBREVIATIONS:
     GTL=Top Layer   GBL=Bottom Layer   GM1=Board outline (milling line)
     GTO=Top Overlay   GBO=Bottom Overlay   GMx=Mechanical Layer x
     GTS=Top Solder   GBS=Bottom Solder   SCH=Shematic drawing
     GTP=Top Paste   GBP=Bottom Paste   PNL=Panelization drawing
     Gx=Internal Layer x   GPx=Negative Plane x   PL=Part List
     AST=Assembly top   ASB=Assembly Bottom   ME=Mechanical, critical parts
     PMT=Peel Able Mask Top   PMB=Peel Able Mask Bottom   BDG=Block diagram

Atech
Bač pri Materiji 30
6242 Materija
www.atech.si

Designed By: P.P, M.Z, E.S	Title: **WK2.0 RX**
Drawn By: Elvis Stanic	
Date: 26.02.2015	Atech ID: 1409999 Version: E Layer: Specification
File: WK2_0 RX verE.PcbDoc	Built IN: 8429001 Scale: 1:1

Designed By: P.P, M.Z, E.S	Title: WK2.0 RX		
Drawn By: Elvis Stanic			
Date: 26.02.2015	Atech ID: 1409999	Version: E	Layer: Top Layer
File: WK2_0 RX verE.PcbDoc	Built IN: 8429001		Scale: 1:1

1409999/E
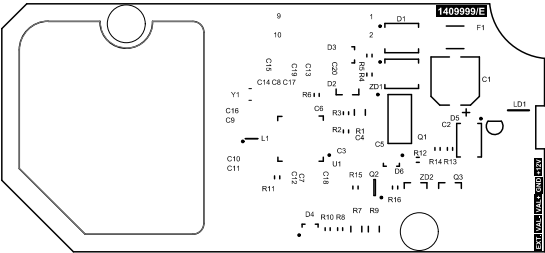
9
10

1
2

D1
F1

D3
D2

C15
C14 C8 C17
C13
C19
C20
R5
R4
ZD1
C1

Y1
C16
C9
C6
R6
R3
R2
R1
C4
C5
D5
+
LD1

L1
C3
Q1
R12

C10
C11
U1
D6
R14 R13
C2

C7
C12
R15
Q2
ZD2
Q3

R11
R16

D4 R10 R8
R7
R9

EXT VAL WALK GND +6V

Designed By: P.P, M.Z, E.S	Title:		
Drawn By: Elvis Stanic	WK2.0 RX		
Date: 26.02.2015	Atech ID: 1409999	Version: E	Layer: Top Silkscreen Overlay
File: WK2_0 RX verE.PcbDoc	Built IN: 8429001		Scale: 1:1
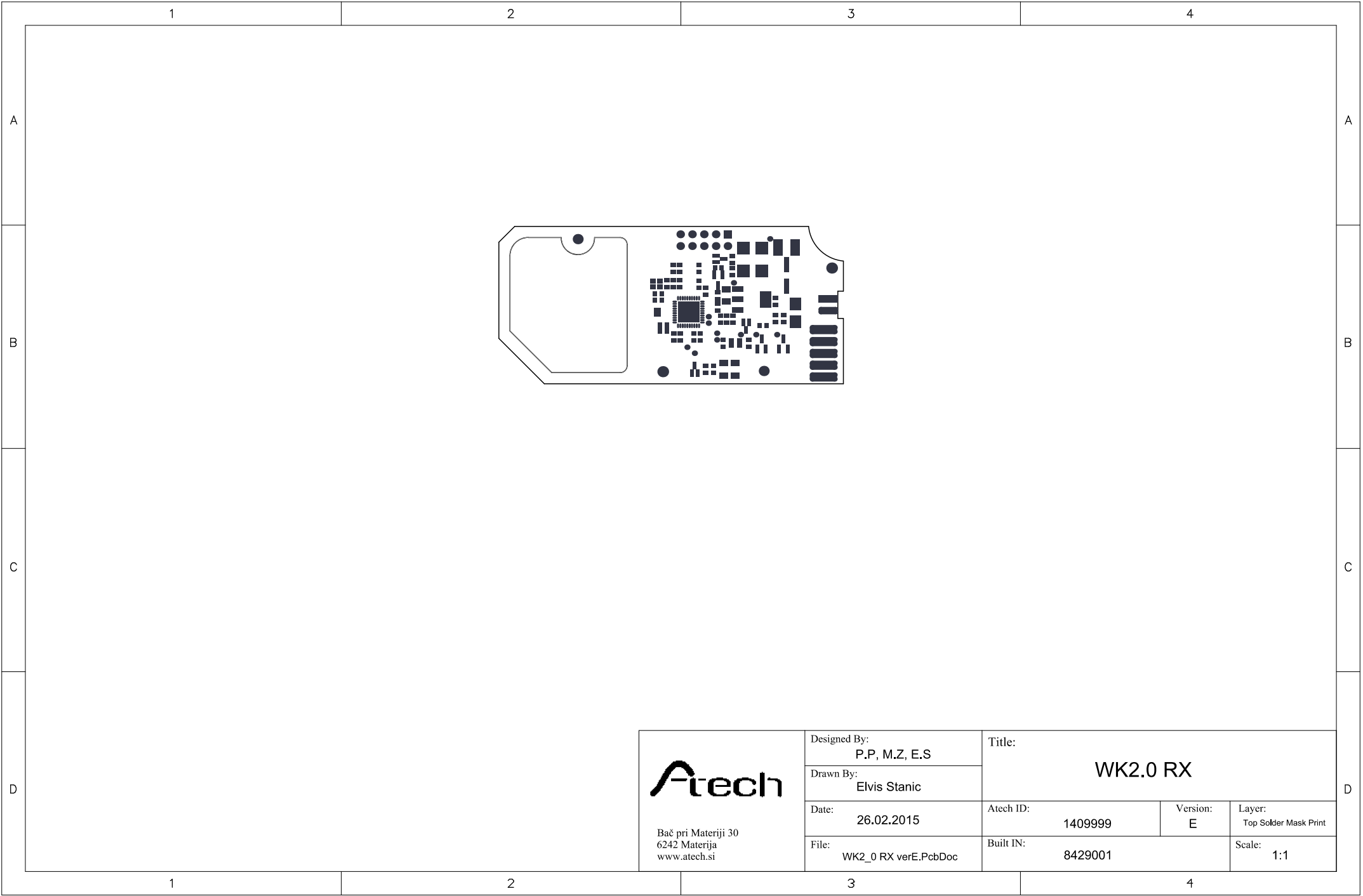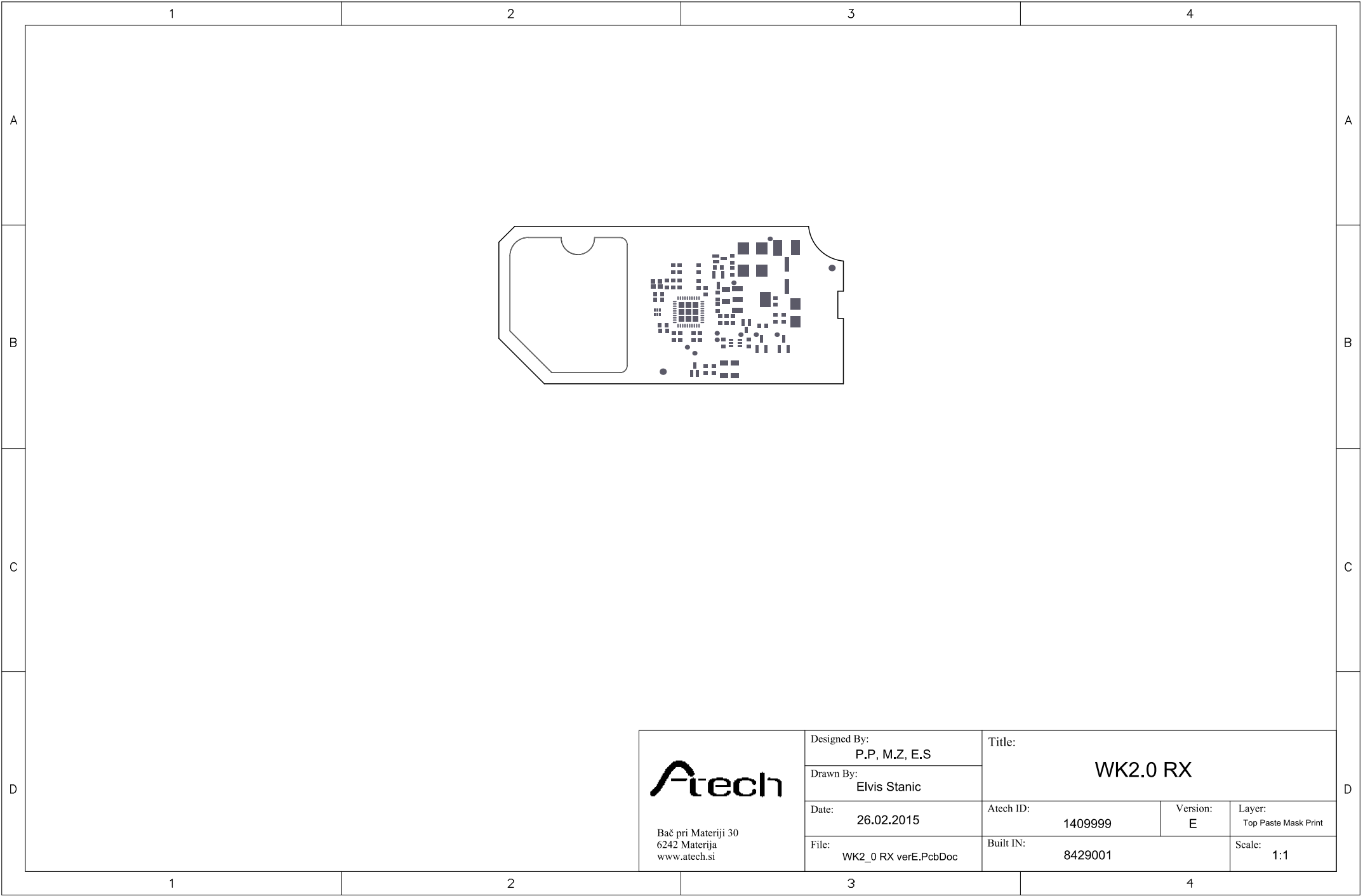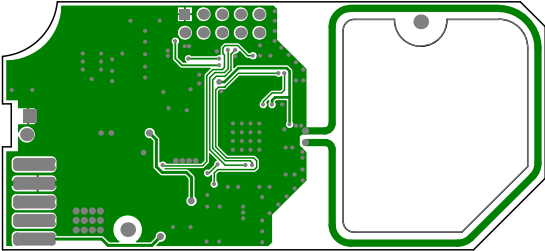
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Designed By: P.P, M.Z, E.S	Title:		
Drawn By: Elvis Stanic	WK2.0 RX		
Date: 26.02.2015	Atech ID: 1409999	Version: E	Layer: Top Solder Mask Print
File: WK2_0 RX verE.PcbDoc	Built IN: 8429001		Scale: 1:1

Designed By:
P.P, M.Z, E.S

Drawn By:
Elvis Stanic

Date:
26.02.2015

File:
WK2_0 RX verE.PcbDoc
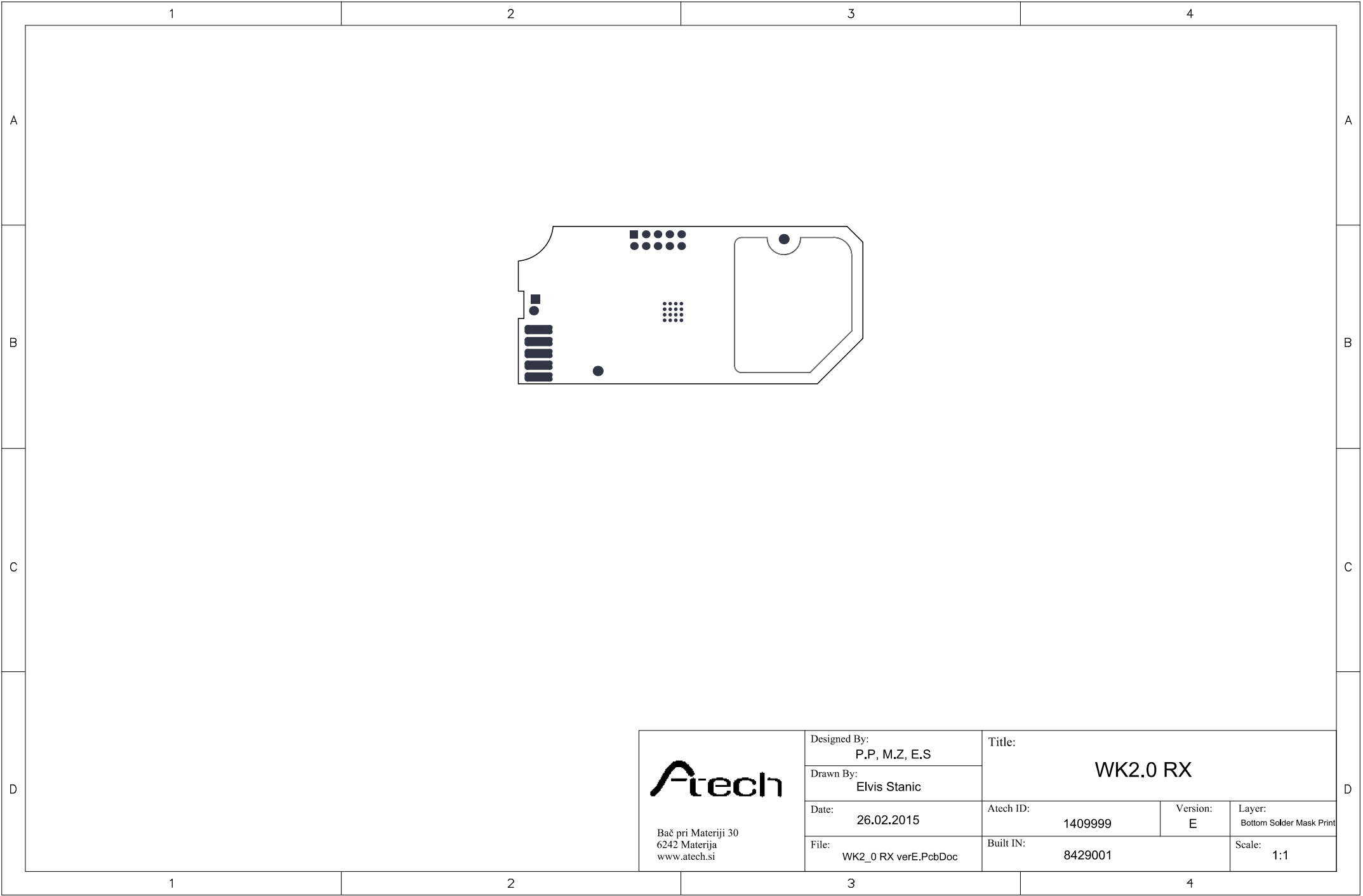
Title:

WK2.0 RX

Atech ID:
1409999

Version:
E

Layer:
Top Paste Mask Print

Built IN:
8429001

Scale:
1:1

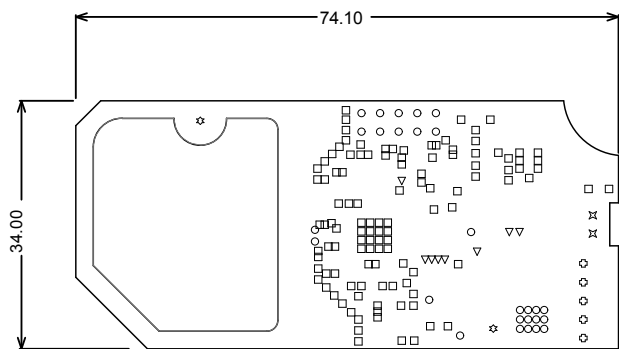Bač pri Materiji 30
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| 1 | 2 | 3 | 4 |

1409999/E

	1	2	3	4	

74.10

34.00
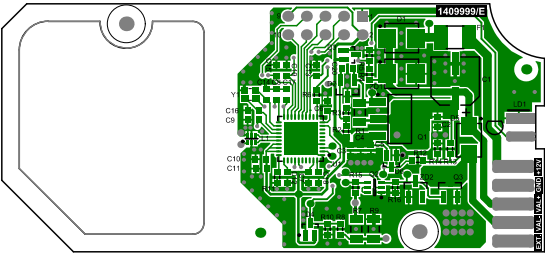
Symbol	Hit Count	Tool Size	Plated	Hole Type
□	114	0.3mm (11.811mil)	PTH	Round
▽	8	0.4mm (15.748mil)	PTH	Round
○	27	0.5mm (19.685mil)	PTH	Round
⋈	2	0.8mm (31.496mil)	PTH	Round
⟠	5	1.4mm (55.118mil)	PTH	Round
✧	2	2mm (78.74mil)	NPTH	Round
	158 Total			

Atech

Designed By:
P.P, M.Z, E.S

Drawn By:
Elvis Stanic

Date:
26.02.2015

File:
WK2_0 RX verE.PcbDoc

Title:
WK2.0 RX

Atech ID:
1409999

Version:
E

Layer:
Board

Built IN:
8429001

Scale:
1:1