EFENTO SP. Z O.O.
Add: Ul.Krupnicza 14/5 31-123 Kraków, POLAND
Tel: 48609823465 Fax: 48609823465

Declaration Letter of modifications of certified product

Dear Sir/Madam,

This file will present the difference between the originally tested HS6 sensor and the sensor variants sent for certification.
The product would like to modify the authorized equipment for below changes:

1. **non RF board PCB component change**
2. **Housing changes**

Except for the changes above, no other modification is performed. There is no hardware or electrical modification made to the applying transmitter itself and no modification made to the RF board of the product.
Details of the differences are shown below:

HS6_HENRYK - original (2BALY-HS6)

BOM **PCB component placement**

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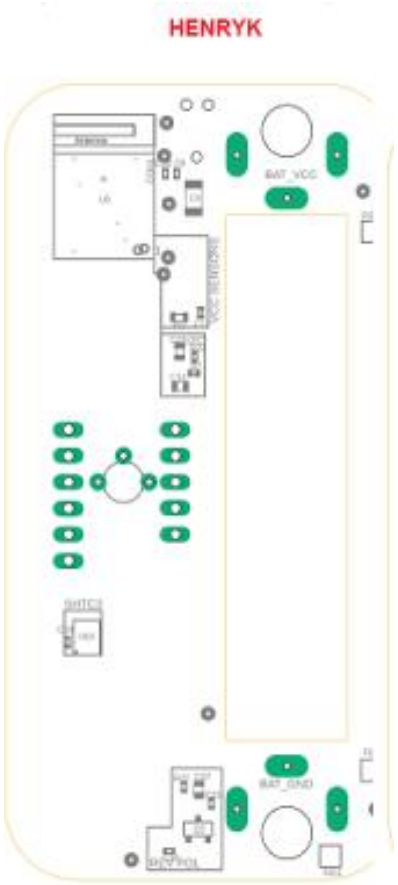
	HS6_HENRYK		
Lp	Parts	Value	Qty
1	C14, C23	47pF	2
2	C17, C35	10nF	2
3	C3	100uF	1
4	C36	1nF	1
5	C37	100nF	1
6	C8, C19, C24	100nF	3
7	R4	0Ω	1
8	R7, R22, R27	10kΩ	3
9	Q2	FDV303N	1
10	BAT_GND	COMF-309B	1
11	BAT_VCC	COMF-309A	1
12	U10	SHTC3	1
13	U5	NINA-B112	1



Variant test sample 1---HS6_HEKTOR

HS6_HEKTOR: Only the BOM components are changed, the other PCB design and structure are consistent with HS6_HENRYK

BOM comparison

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	HS6_HENRYK			HS6_HEKTOR		
Lp	Parts	Value	Qty	Parts	Value	Qty
1	C14, C23	47pF	2	C14, C23	47pF	2
2	C17, C35	10nF	2	C17, C35	10nF	2
3	C3	100uF	1	C3	100uF	1
4	C36	1nF	1	C36	1nF	1
5	C37	100nF	1	C37	100nF	1
6	C8, C19, C24	100nF	3	C8, C19, C4	100nF	3
7	R4	0Ω	1	R4	0?	1
8	R7, R22, R27	10kΩ	3	R7, R22, R27	10k?	3
9	Q2	FDV303N	1	Q2	FDV303N	1
10	BAT_GND	COMF-309B	1	BAT_GND	COMF-309B	1
11	BAT_VCC	COMF-309A	1	BAT_VCC	COMF-309A	1
12	U10	SHTC3	1	U2	SHT41-AD1B	1
13	U5	NINA-B112	1	U5	NINA_B112N	1

PCB component change details and comparison：

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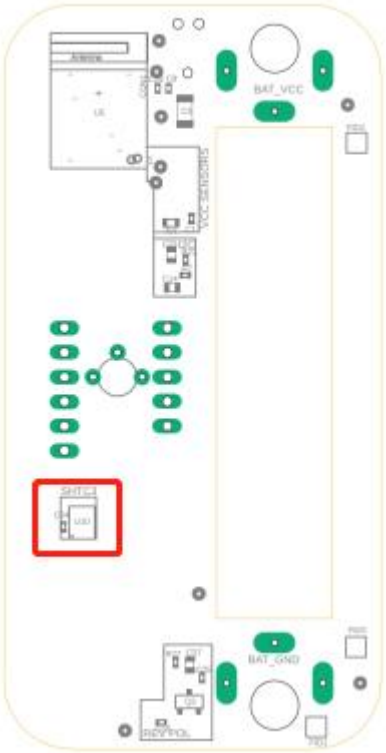
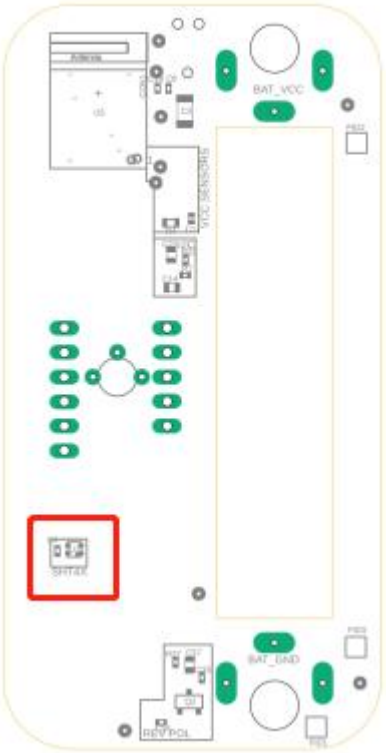
HENRYK



HEKTOR



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Variant Test Sample 2 --- HS6_OLAF_BIN_RS

HS6_OLAF_BIN_RS - Compared with HS6_HENRYK,
BOM component changes:
Housing changes: There is a hole in the housing through which the connected reed switch passes. The sensor measures the change in the state of the reed switch (short/open). The sensor indicates a change from OK to ALARM

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BOM comparison:

	HS6_HENRYK			HS6_OLAF_BIN_RS, HS6_OLAF_BIN_L, HS6_OLAF_BIN		
Lp	Parts	Value	Qty	Parts	Value	Qty
1	C14, C23	47pF	2	C1	56pF	1
2	C17, C35	10nF	2	C14, C23	47pF	2
3	C3	100uF	1	C17, C35	10nF	2
4	C36	1nF	1	C2, C10, C12, C21	TVS Diode	4
5	C37	100nF	1	C3	100uF	1
6	C8, C19, C24	100nF	3	C36	1nF	1
7	R4	0Ω	1	C8, C19	100nF	2
8	R7, R22, R27	10kΩ	3	C9, C11, C20, C37	100nF	4
9	Q2	FDV303N	1	R7, R13, R22, R27	10kΩ	4
10	BAT_GND	COMF-309B	1	R3, R9, R18	430kΩ	3
11	BAT_VCC	COMF-309A	1	R5, R10, R19	10kΩ	3
12	U10	SHTC3	1	R6	4,7kΩ	1
13	U5	NINA-B112	1	R11	100Ω	1
				SV1	Degson DG308-2.54-6P	1
				Q2	FDV303N	1
				Q4	FDN306P	1
				BAT_GND	COMF-309B	1
				BAT_VCC	COMF-309A	1
				U5	NINA_B112N	1

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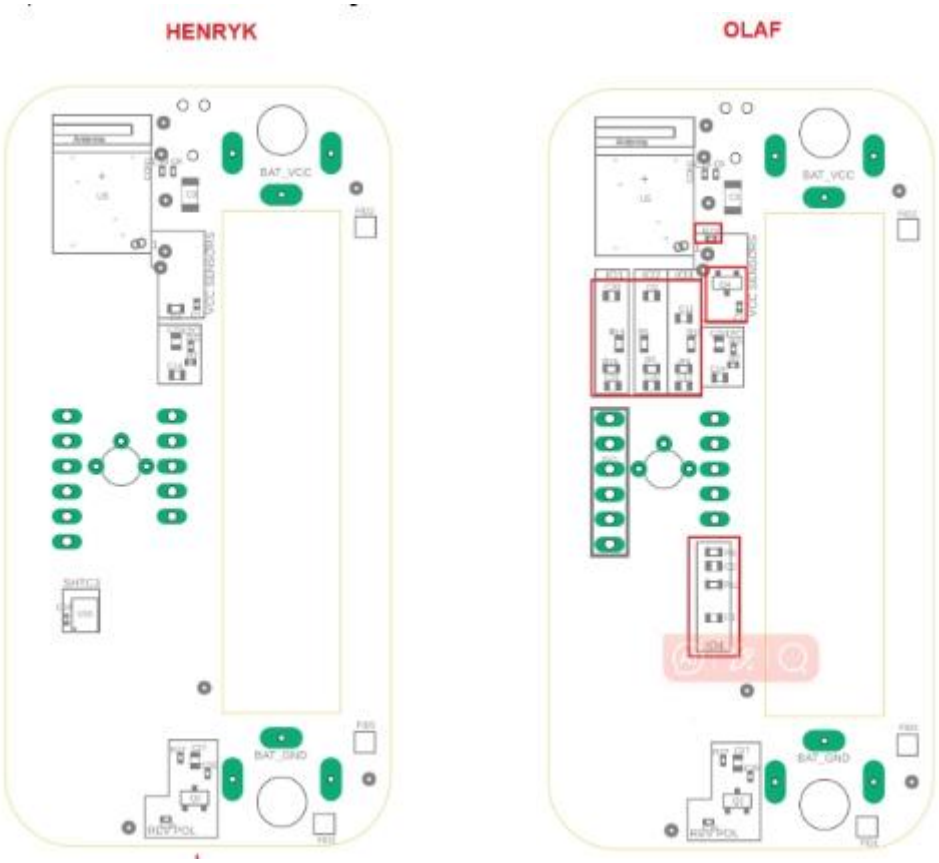
PCB component change details and comparison：



Variant Test Sample 3 --- HS6_OLAF_BIN_L

HS6_OLAF_BIN_L - Compared with HS6_HENRYK,

BOM component changes:

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Housing changes: the housing with a hole through which the connected flood probe passes. The sensor measures the change in the state of the external probe (short circuit / open circuit). The sensor indication changes from OK to ALARM

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BOM comparison:

	HS6_HENRYK			HS6_OLAF_BIN_RS, HS6_OLAF_BIN_L, HS6_OLAF_BIN		
Lp	Parts	Value	Qty	Parts	Value	Qty
1	C14, C23	47pF	2	C1	56pF	1
2	C17, C35	10nF	2	C14, C23	47pF	2
3	C3	100uF	1	C17, C35	10nF	2
4	C36	1nF	1	C2, C10, C12, C21	TVS Diode	4
5	C37	100nF	1	C3	100uF	1
6	C8, C19, C24	100nF	3	C36	1nF	1
7	R4	0Ω	1	C8, C19	100nF	2
8	R7, R22, R27	10kΩ	3	C9, C11, C20, C37	100nF	4
9	Q2	FDV303N	1	R7, R13, R22, R27	10kΩ	4
10	BAT_GND	COMF-309B	1	R3, R9, R18	430kΩ	3
11	BAT_VCC	COMF-309A	1	R5, R10, R19	10kΩ	3
12	U10	SHTC3	1	R6	4,7kΩ	1
13	U5	NINA-B112	1	R11	100Ω	1
				SV1	Degson DG308-2.54-6P	1
				Q2	FDV303N	1
				Q4	FDN306P	1
				BAT_GND	COMF-309B	1
				BAT_VCC	COMF-309A	1
				U5	NINA_B112N	1

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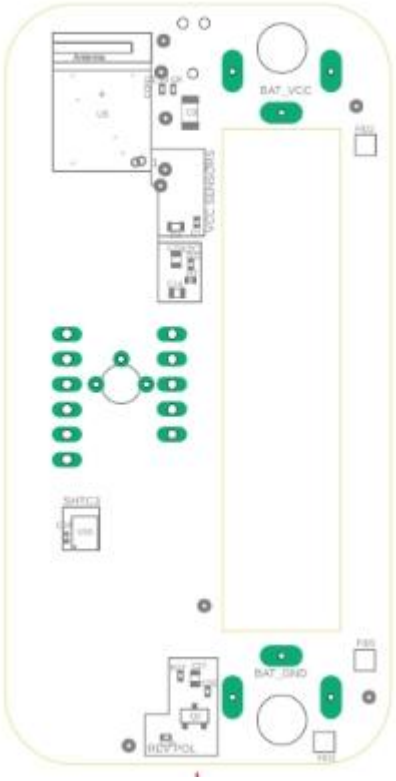
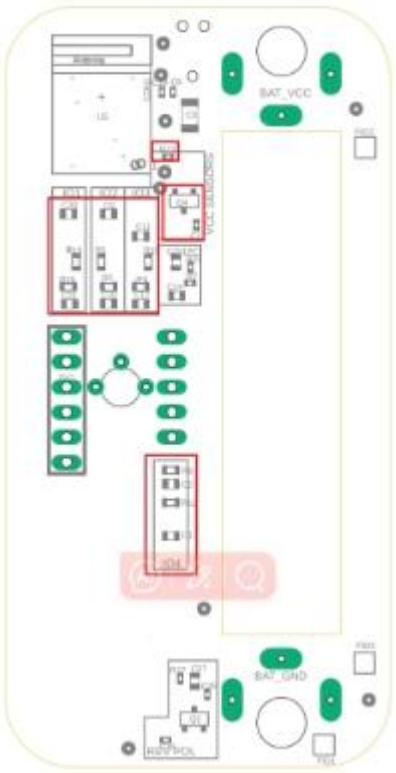
PCB component change details and comparison：

HENRYK



OLAF



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Variant Test Sample 4 ---HS6_OLAF_BIN_WR

BOM component changes:

Housing changes: the housing with an opening through which the connected zone flooding probe passes. The sensor measures the voltage drop on the zone flooding probe. After reaching the appropriate value, the sensor indication changes from OK to ALARM

BOM comparison:

	HS6_HENRYK			HS6_OLAF_BIN_RS, HS6_OLAF_BIN_L, HS6_OLAF_BIN		
Lp	Parts	Value	Qty	Parts	Value	Qty
1	C14, C23	47pF	2	C1	56pF	1
2	C17, C35	10nF	2	C14, C23	47pF	2
3	C3	100uF	1	C17, C35	10nF	2
4	C36	1nF	1	C2, C10, C12, C21	TVS Diode	4
5	C37	100nF	1	C3	100uF	1
6	C8, C19, C24	100nF	3	C36	1nF	1
7	R4	0Ω	1	C8, C19	100nF	2
8	R7, R22, R27	10kΩ	3	C9, C11, C20, C37	100nF	4
9	Q2	FDV303N	1	R7, R13, R22, R27	10kΩ	4
10	BAT_GND	COMF-309B	1	R3, R9, R18	430kΩ	3
11	BAT_VCC	COMF-309A	1	R5, R10, R19	10kΩ	3
12	U10	SHTC3	1	R6	4,7kΩ	1
13	U5	NINA-B112	1	R11	100Ω	1
				SV1	Degson DG308-2.54-6P	1
				Q2	FDV303N	1
				Q4	FDN306P	1
				BAT_GND	COMF-309B	1
				BAT_VCC	COMF-309A	1
				U5	NINA_B112N	1

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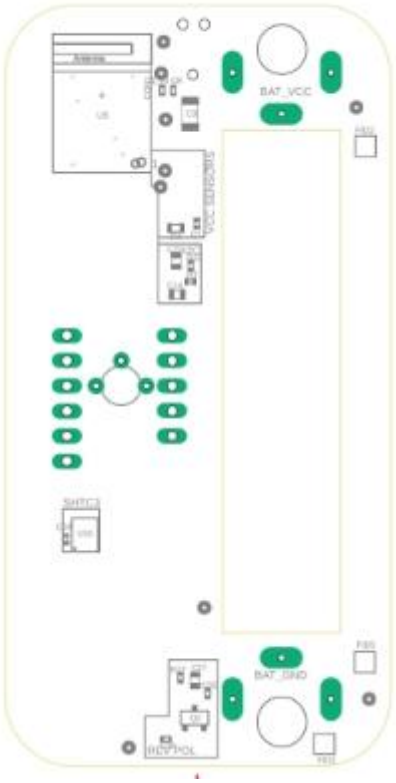
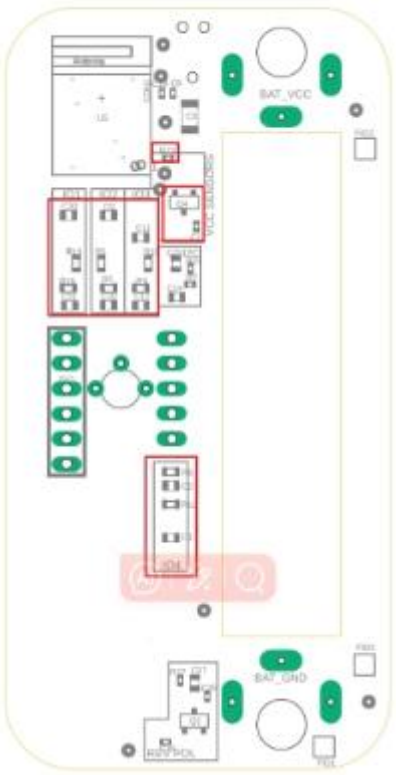
PCB component change details and comparison：

HENRYK



OLAF



Signature: _____ **Date:** **2024-11-29**

Name: **Piotr Szydlowski**

Title: **CEO**

Company: **EFENTO SP. Z O.O.**