

# Mobile Devices Ingénierie

100 Avenue de Stalingrad, 94800 Villejuif, France

Date: June 6, 2018

## Product Equality Declaration

We, Mobile Devices Ingénierie, declare on our sole responsibility for the product of C4D-4MUSAA\_V6 (Model #1) and C4D-4MUSAB\_V6 (Model #2) share the same PCB Layout, but have some differences as described below:

### 1. Product information

Model number:

- Model #1: C4D-4MUSAA\_V6
- Model #2: C4D-4MUSAB\_V6

HW version:

- Model #1: SAP00388-335
- Model #2: SAP00341-328

### 2. Hardware difference

The difference between Model#1 and Model #2 is the additional multiplexed OBD for Model #1  
Except listings above, the others are all the same.

The table below gives the difference between SAP00328 and SAP00335:

Designator	Description	SAP00328	SAP00335
C139	Capacitor ceramic 100nF $\pm 10\%$ 0402 10V X7R		•
C14, C52, C54	Capacitor ceramic 33pF $\pm 5\%$ 0402 50V COG		•
C140	Capacitor ceramic 100nF $\pm 10\%$ 0201 6.3V X5R		•
C141	Capacitor ceramic 100pF $\pm 5\%$ 0402 50V X7R		•
C142	Capacitor ceramic 100nF $\pm 10\%$ 0603 50V X7R		•
D22, D23	CAN bus ESD protection diode, PESD1CAN-UX, Nexperia		•
L10, L11, L12	SMD EMI Suppression Ferrite Beads WE-CBF, 742792780, Würth		•
P1, P3, P8	OBD connector short pin (P1 to P3 and P6 to P8) for OBD Dongle V4, rev AC, MME00203AC, BOSI		•
Q21, Q22, Q43, Q24	Photocoupler photo relay, TLP3212(TP15,F), Toshiba		•

Designator	Description	SAP00328	SAP00335
Q27	NPN General Purpose Transistor, BC847BW		•
R137, R138, R139, R140	Resistor 300R ±1% 0201 1/20W		•
R141	Resistor 6.49K ±1% 0805 1/8W		•
R162	Resistor 470K ±5% 0603 1/10W		•
R164	Resistor 1M ±5% 0201 1/20W		•
R165	Resistor 3.3K ±5% 0201 1/20W		•
U17	High-speed CAN transceiver with Standby mode, TJA1042TK/3/1J, NXP		•
U7	Single Wire CAN Transceiver, NCV7356D1G, On Semi		•
U12	16-bit Digital Signal Controllers, 128 KB Flash, 16 KB SRAM, dual CAN controller, dsPIC33EP128GM706T-I/MR, Microchip		•
U12	16-bit Digital Signal Controllers, 128 KB Flash, 16 KB SRAM, CAN controller, dsPIC33EP128GP506T-I/MR, Microchip	•	

The table below gives the difference between SAP00341 and SAP00388:

Designator	Description	SAP00341	SAP00388
C305	Capacitor ceramic 33pF ±5% 0402 50V COG		•
L306	SMD EMI Suppression Ferrite Beads WE-CBF, 742792780, Würth		•
P11	OBD connector short pin for OBD Dongle V2, MME00081AB, BOSI		•

This difference will not affect communications performance.

Should you have any questions or comments regarding this matter, please have my best attention.

Sincerely yours,

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# Mobile Devices Ingénierie

100 Avenue de Stalingrad, 94800 Villejuif, France

Date: April 19, 2018

## Product Equality Declaration

We, Mobile Devices Ingénierie, declare on our sole responsibility for the product of C4D-4MUSAA\_V6 (Model #1) is exactly the same as C4D-4MUSAB\_V6 (Model #2) as below:

### 1. Product information

Model number:

- Model #1: C4D-4MUSAA\_V6
- Model #2: C4D-4MUSAB\_V6

HW version:


- Model #1: SAP00388-335
- Model #2: SAP00341-328

### 2. Hardware difference

The difference between Model#1 and Model #2 is the additional multiplexed OBD for Model #1  
Except listings above, the others are all the same.

Should you have any questions or comments regarding this matter, please have my best attention.

Sincerely yours,



Contact Person: Charles NTEP

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# Mobile Devices Ingénierie

100 Avenue de Stalingrad, 94800 Villejuif, France

Date: April 26, 2018

## Product Equality Declaration

We, Mobile Devices Ingénierie, declare on our sole responsibility for the product of C4D-4MUSAA\_V6 (Model #1) and C4D-4MUSAB\_V6 (Model #2) share the same PCB Layout and block diagram, but have some differences as described below:

### 1. Product information

Model number:

- Model #1: C4D-4MUSAA\_V6
- Model #2: C4D-4MUSAB\_V6

HW version:

- Model #1: SAP00388-335
- Model #2: SAP00341-328

### 2. Hardware difference

The difference between Model#1 and Model #2 is the additional multiplexed OBD for Model #1  
Except listings above, the others are all the same.

For more details, find the resume below:

#### SOFTWARE MODIFICATIONS:

Protocol Stack changes: NO

MMS/STK changes: NO

JAVA changes: NO

Other changes detailed: NO

#### HARDWARE MODIFICATION:

Band changes: NO

Power Amplifier changes: NO

Antenna changes: NO

PCB Layout changes: NO.

Components on PCB changes: Yes

Bluetooth changes: NO

FM changes: NO

Other changes: NO

**MECHANICAL MODIFICATIONS:**

Use new metal front/back cover or keypad: NO

Mechanical shell changes: NO

Other changes detailed: NO

**ACCESSORY MODIFICATIONS:**

Battery changes: NO

This difference will not affect communications performance.

Should you have any questions or comments regarding this matter, please have my best attention.

Sincerely yours,



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