

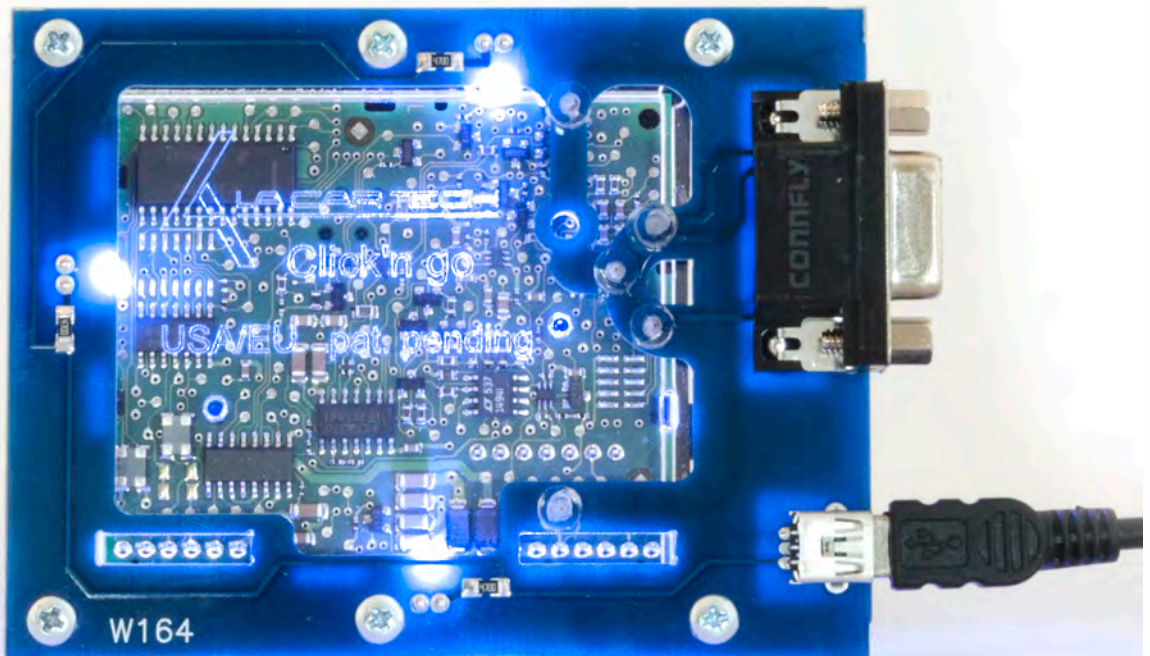
# Click'n Go

## W164/X164 Click'n Go Adapter

Works with MBProg Programmer. No soldering required.

9S12 Motorola processor only!

Works with parts numbers up to 164 545 07 08



# W164/X164



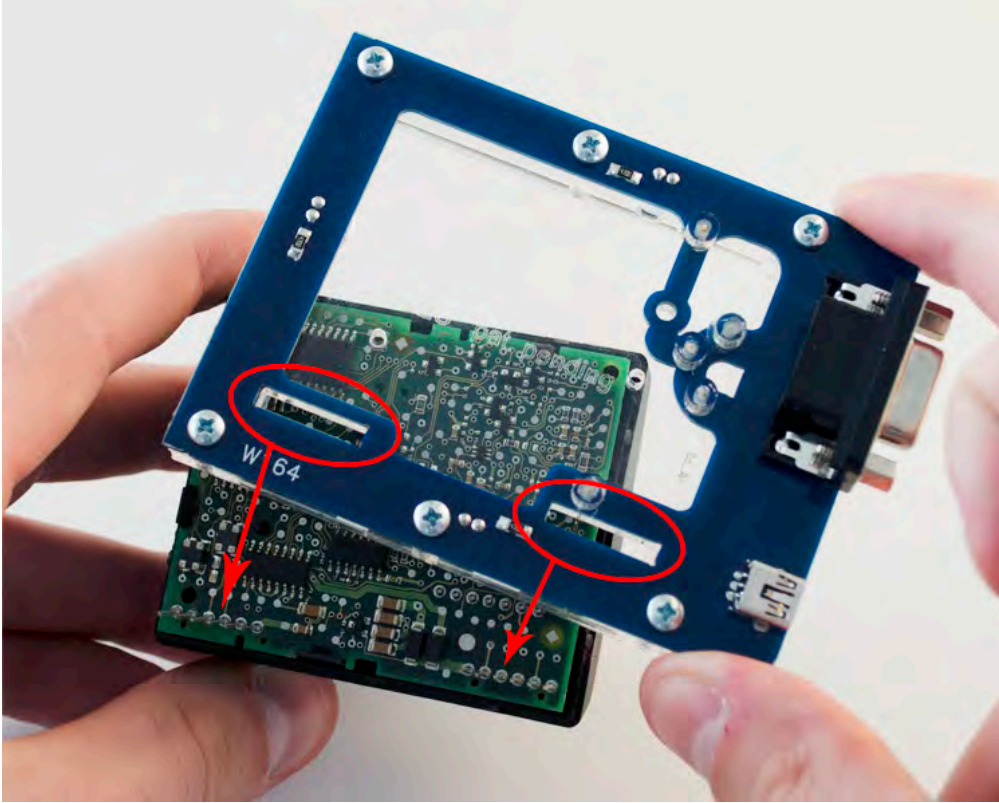
## How to connect

Carefully open by pushing in the EIS back body tabs.

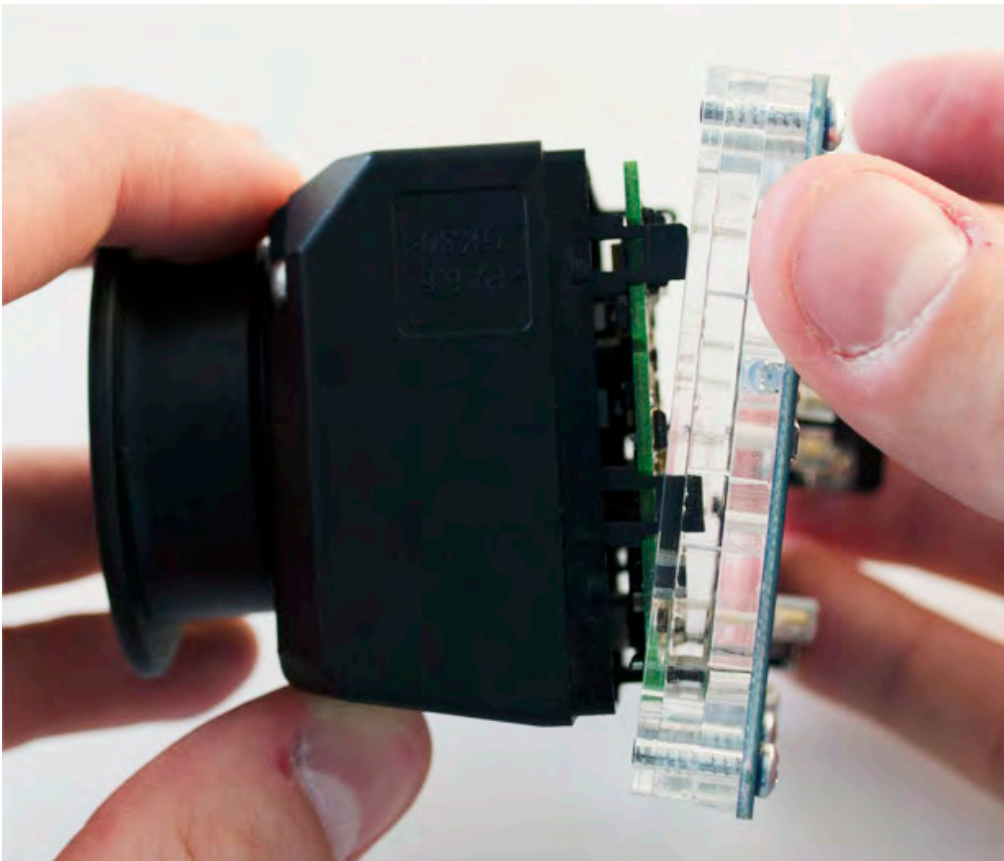


# W164/X164

The two Click'n Go adapter holes in the red circle need to go over the EIS pins.  
Be very careful with the pins!

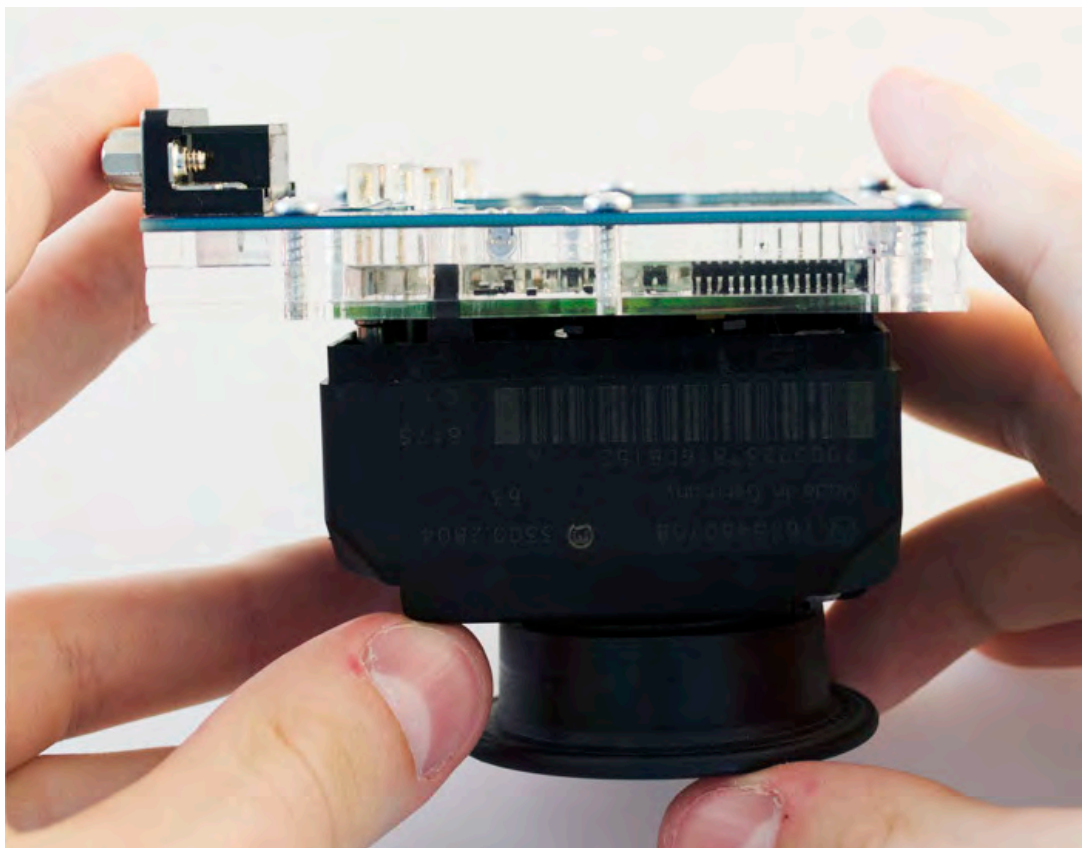
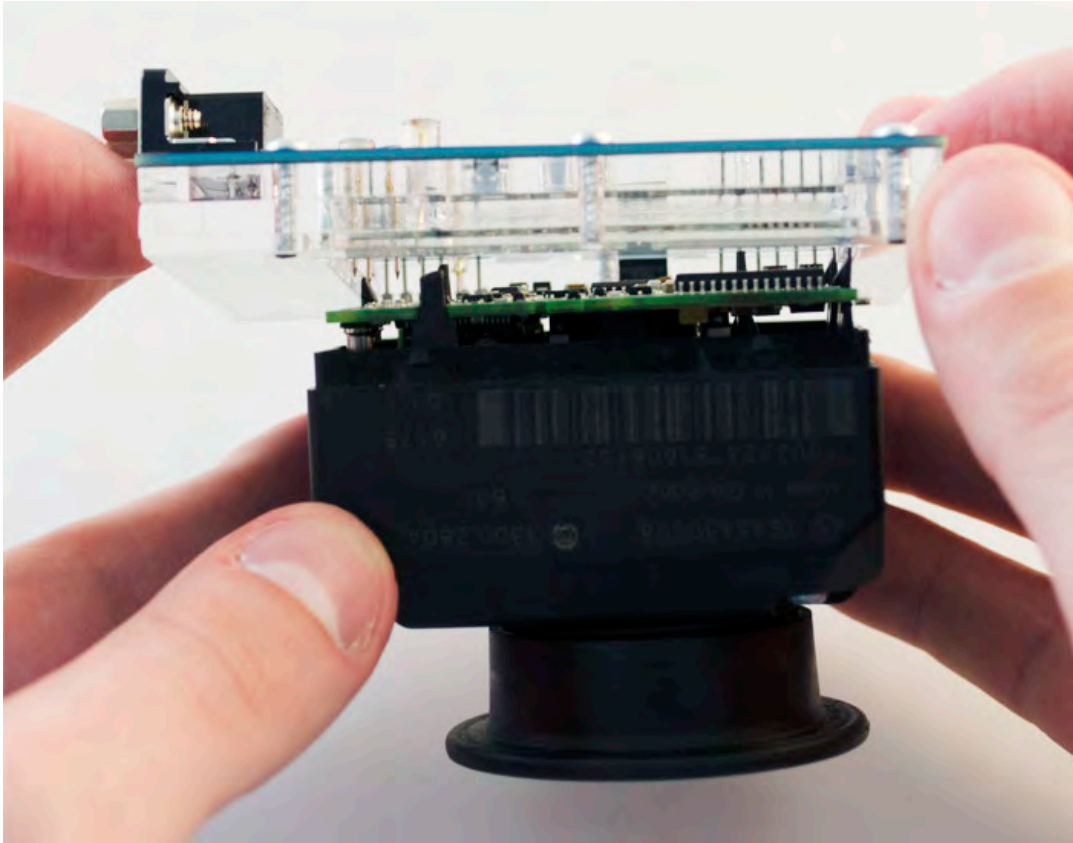


Carefully put on Click'n Go adapter over the pin side first.



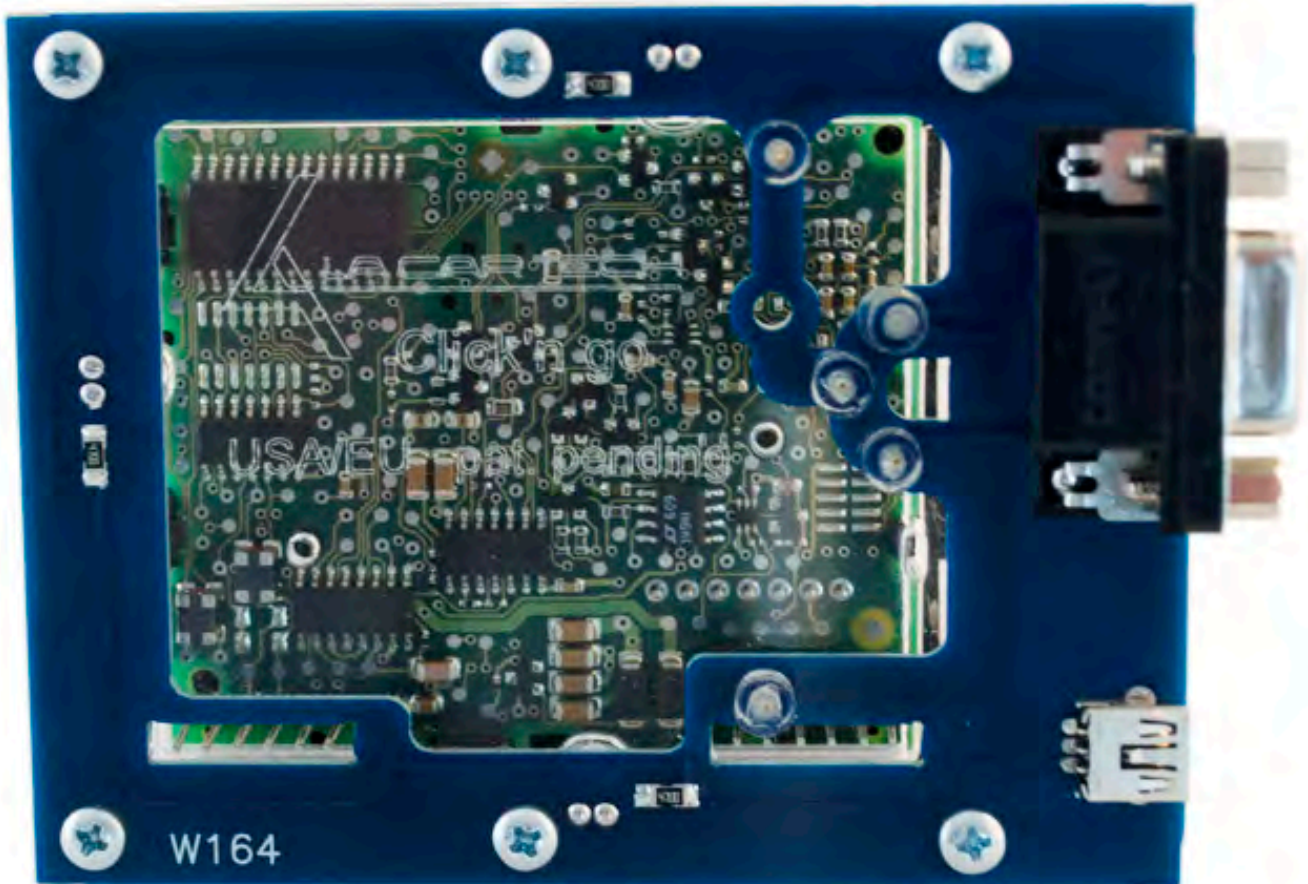
# W164/X164

Put on the other side of Click'n Go adapter on to the EIS board.

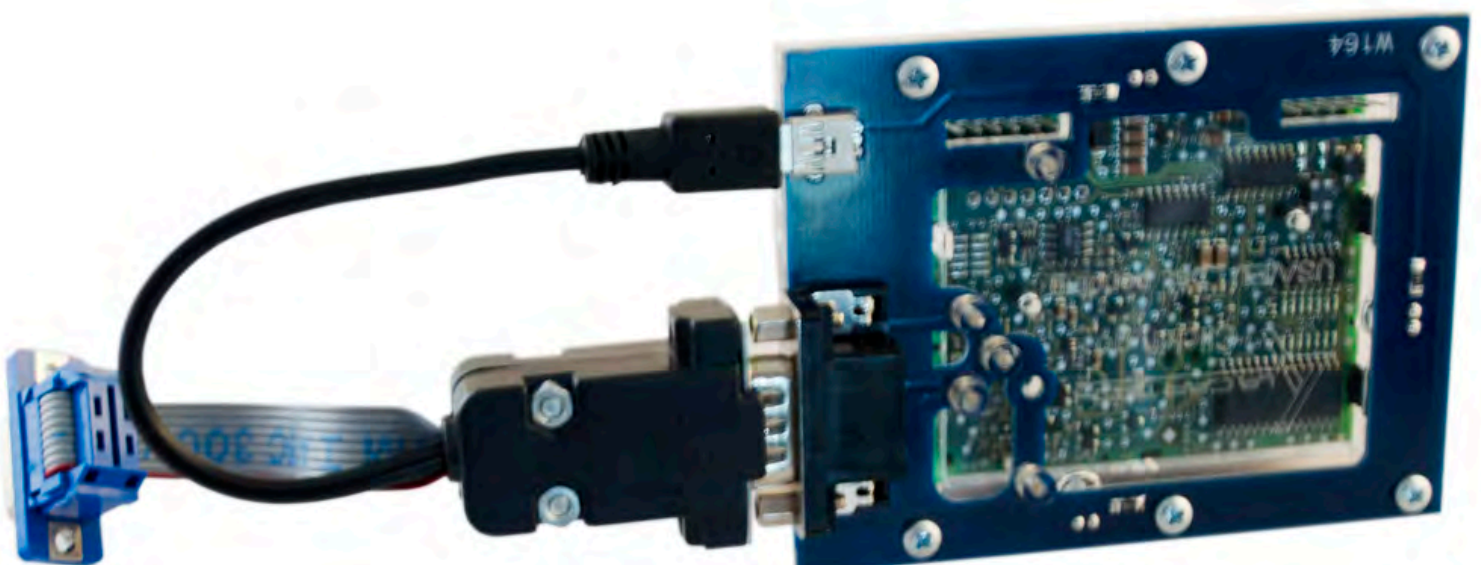


# W164/X164

Make sure that Click'n Go adapter is mounted correctly on the EIS.



Connect both cables to Click'n Go adapter.



# W164/X164

Connect MBProg 2 Click'n Go cable to MBProg.  
Connect USB cable to MBProg and PC.



# W164/X164

## How to read

Open MBProg software.

Check bottom right corner if your device is correctly connected.

Now click Chip button.

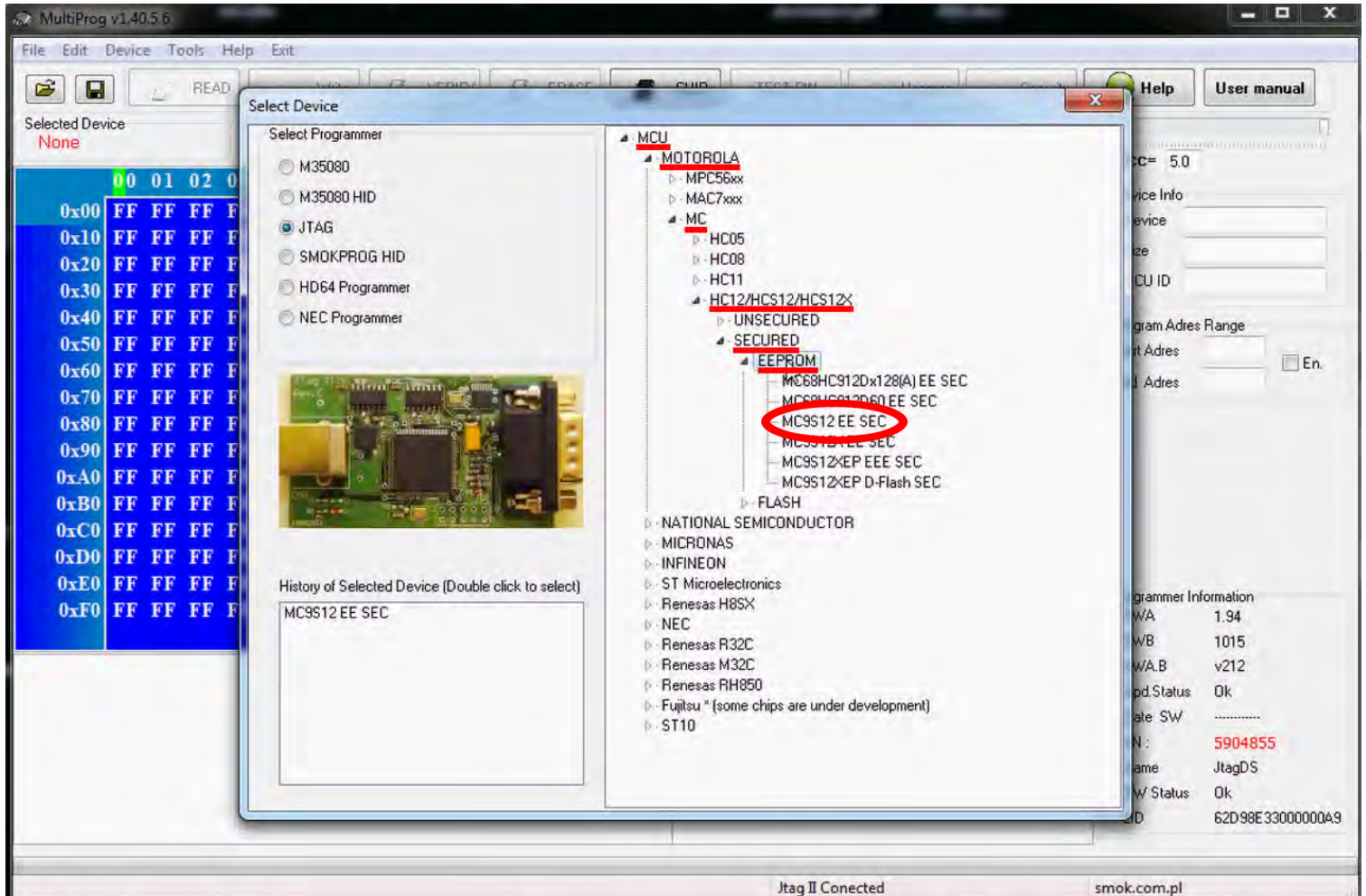
The screenshot shows the MultiProg v1.40.5.6 software interface. The 'CHIP' button in the top toolbar is circled in red. The main window displays a memory dump table with columns for hexadecimal addresses (00-0F) and characters (0-9, A-F). The data in the table consists of 'FF' values. On the right side, the 'Programmer Information' panel is circled in red, displaying the following details:

Programmer Information	
SwA	1.94
SwB	1015
SwA.B	v212
Upd Status	Ok
Date SW	-----
SN :	5904855
Name	JtagDS
HW Status	Ok
LID	62D98E33000000A

At the bottom of the window, the status bar shows 'Jtag II Connected' and 'smok.com.pl'.

# W164/X164

Make sure that JTAG is selected in programmer software.  
Select MOTOROLA > MC > HC12/HCS12/HCS12X > SECURED > EEPROM  
and double click on MC9S12EE SEC option as seen in the red circle.







# W164/X164

The EIS reading process is done.  
If you can see VIN# it been read correctly.

MultiProg v1.40.5.6

File Edit Device Tools Help Exit

Selected Device: MC9S12EE SEC

Address	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	0123456789ABCDEF
0x000	00	5A	FF	FF	04	15	FF	FF	50	19	FF	FF	7A	00	FF	FF	Z S P z
0x010	06	04	FF	FF	19	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	
0x020	0F	0F	FF	FF	10	20	FF	FF	00	00	FF	FF	00	C0	FF	FF	
0x030	00	04	FF	FF	10	FF	FF	FF	17	C9	FF	FF	C4	17	FF	FF	
0x040	C9	C4	FF	FF	17	C9	FF	FF	C4	FF	FF	FF	FF	FF	FF	FF	
0x050	00	63	FF	FF	61	75	FF	FF	60	0B	FF	FF	57	44	FF	FF	
0x060	43	31	FF	FF	36	34	FF	FF	31	32	FF	FF	32	31	FF	FF	
0x070	41	31	FF	FF	33	34	FF	FF	34	35	FF	FF	30	FF	FF	FF	
0x080	00	00	FF	FF	0F	FF	FF	FF	00	FF	FF	FF	FF	FF	FF	FF	
0x090	00	FF	FF	FF	01	FF	FF	FF	00	FF	FF	FF	01	FF	FF	FF	
0x0A0	00	FF	FF	FF	00	64	FF	FF	FF	7F	FF	FF	FF	FF	FF	FF	
0x0B0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	
0x0C0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	
0x0D0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	
0x0E0	FF	FF	FF	FF	00	00	FF	FF	00	FF	FF	00	FF	FF	FF	FF	
0x0F0	00	01	FF	FF	02	02	FF	FF	02	02	FF	FF	02	02	FF	FF	
0x100	8F	FF	FF	FF	00	FF	FF	FF	D3	C8	FF	FF	8C	2A	FF	FF	

Read EE MC9S12 EE SEC  
Read ID MCU ok  
MCU ID :0113  
Memory Config:1380  
Unsecuring...  
f=152, t1=96, t2=29  
Unsecure Ok  
Reading EE MC9S12 Secured...  
Read OK  
Saved backup File : C:\Users\PatrykMBE\Documents\Temp\Temp1.bin

Read OK

Jtag II Conected

smok.com.pl

Device Info:  
Vcc= 5.0  
Device: 9s12DG128  
Size: 2048  
MCU ID: 0113

Program Adres Range:  
Start Adres: 000000  
End Adres: 0007FF

Programmer Information:  
SWA: 1.94  
SWB: 1015  
SWA.B: v212  
Upd.Status: Ok  
Date SW: -----  
SN: 5904855  
Name: JtagDS  
HW Status: Ok  
LID: 62D98E33000000A9