

# Connect MCU via TOOL0 RL78D1A.hpx



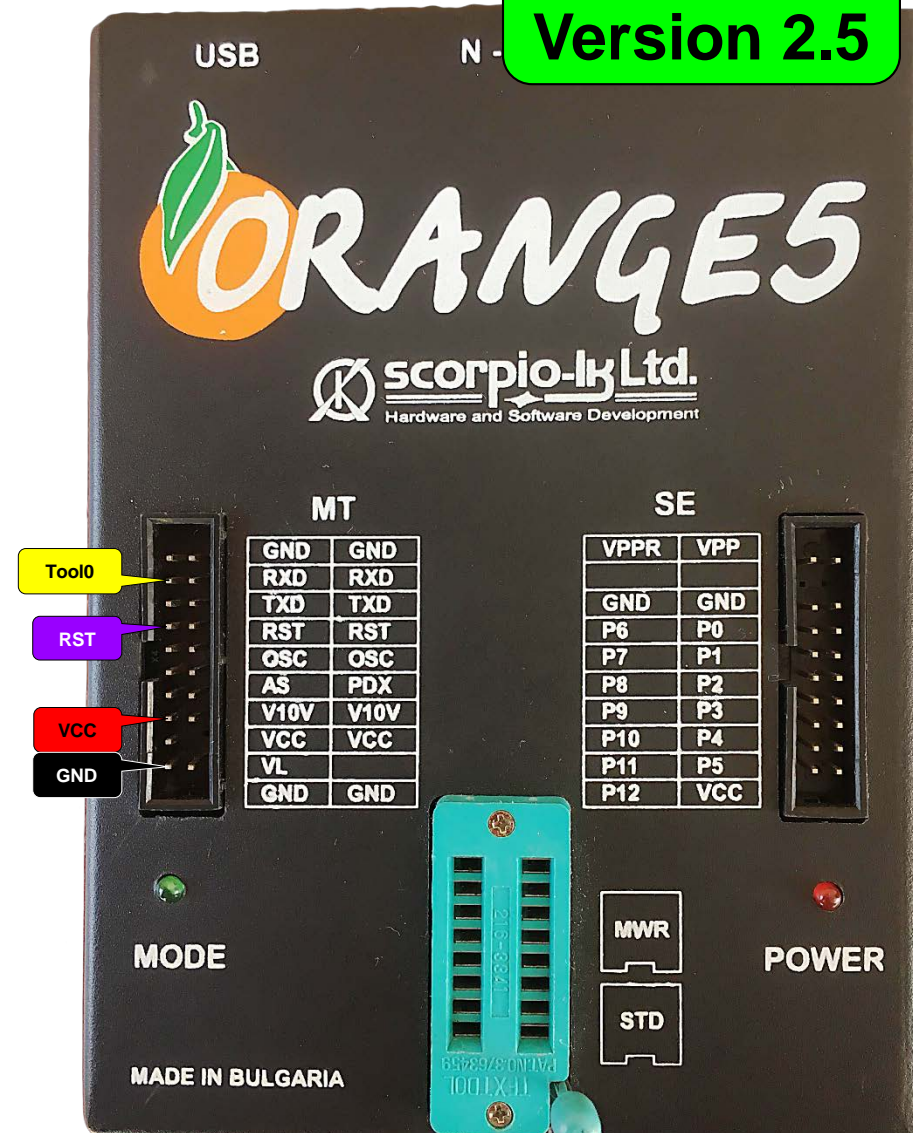
RL78.pdf  
Version 2.5



Починаючи з версії V1.4 діод не потрібен!



Since from version V1.4, the diode is not required!



## Current Version RL78D1A.hpx V1.4

# Renesas RL78/D1A

## Read / Verify / Write Data-Flash (EEPROM)

NewFile.bin - Orange5

File Buffer Device Tools Options Type Recent Help

Read Compare Write Verify

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	0123456789ABCDEF
00000	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00010	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00020	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00030	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00040	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00050	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00060	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00070	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00080	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00090	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
000A0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
000B0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
000C0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
000D0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
000E0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
000F0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00100	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00110	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00120	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00130	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00140	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00150	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
0018	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
0019	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX

Orange

Operation is not safety!  
Please don't disconnect Mcu while READING!  
Otherwise Data-Flash will be loss forever!  
Continue?

OK Отмена

Log

Read Data Flash R5F10CM  
Renesas RL78 group V1.4  
Freq. 4000 kHz  
Baud. 250000 pbs  
Connected: R5F10DLD  
Silicon Signature: 02 16 10 00 06 52 35 46 31 30 4  
Code Flash size: 48 KB  
Data Flash size: 8 KB  
Flash options: 02 08 06 FE 07 00 00 2F 00 FF FF C

RL78 TYPE SIZE HPX Version

Type: Renesas RL78 V1.4 R5F10CM (8 Kx 8) Renesas RL78/D1A V1.4

VCC 5.00V

Read... 0F1000 NUM

<http://pavelpervomaysk.com>

# *Remove before Read / Verify / Write*

## General Options



☒ Force Write

☒ Block Mode Enable

 ☐ Verify During write

☒ Confirmation

 ☐ Verify After write

☒ Buttons Be ☒ Vertical

☒ Play sounds

☒ Power Bar

OK

Cancel

# Read Data-Flash

File Buffer Device Tools Options Type Recent



- Read
- Compare
- Write
- Verify

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
00000	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	01224F6789ABCDEF
00010	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	MCU Name
00020	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	Data-Flash
00030	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00040	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00050	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00060	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00070	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00080	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00090	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
000A0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
000B0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
000C0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
000D0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
000E0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
000F0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00100	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00110	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00120	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00130	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00140	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00150	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00160	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00170	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00180	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00190	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
001A0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
001B0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
001C0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
001D0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
001E0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
001F0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00200	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00210	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00220	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00230	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX
00240	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	XXXXXXXXXXXXXXXXXXXX

Orange

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Operation is not safety!

Please don't disconnect Mcu while READING!

Otherwise Data-Flash will be loss forewer!

Continue?

OKОтмена

Log

Read Data Flash R5F10DLDJ  
Renesas RL78 group V1.1  
Freq. 4000 kHz  
Baud. 250000 pbs  
Connected: R5F10DLD  
Silicon Signature: 02 16 10 00 06 52 35 46 31 30 44 4C  
Code Flash size: 48 KB  
Data Flash size: 8 KB  
Flash options: 02 08 06 FE 07 00 00 2F 00 FF FF C6 03



# Read Data-Flash

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	0123456789ABCDEF
00000	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
00010	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
00020	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
00030	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
00040	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
00050	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
00060	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
00070	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
00080	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
00090	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
000A0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
000B0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
000C0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
000D0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
000E0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
000F0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
00100	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
00110	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
00120	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
00130	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
00140	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
00150	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
00160	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
00170	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
00180	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
00190	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
001A0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
001B0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
001C0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
001D0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
001E0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
001F0	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
00200	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
00210	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
00220	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
00230	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
00240	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя

Log

Read Data Flash R5F10DLDJ  
Renesas RL78 group V1.1  
Freq. 4000 kHz  
Baud. 250000 pbs  
Connected: R5F10DLD  
Silicon Signature: 02 16 10 00 06 52 35 46 31 30 44 4C  
Code Flash size: 48 KB  
Data Flash size: 8 KB  
Flash options: 02 08 06 FE 07 00 00 2F 00 FF FF C6 03  
Reading.

**WARNING!!!**  
**Не отключать во время чтения!**  
**Иначе Data-Flash будет утеряна безвозвратно!**

Read Data Flash R5F10DLDJ

Don't Cancel or Disconnect Mcu!

BF 00 FF 2F 0F 03 00 03 91 03  
Code Flash size: 48 KB  
Data Flash size: 8 KB  
Flash options: 02 08 06 FE 07 00 00 2F 00 FF FF C6 03  
Reading.

Reading Data-Flash

Cancel



Compare

Write

Verify

[illegible]

Type: Renesas RL78 R5F10LDJ (8 Kx 8) Renesas RL78/D1A V1.1

vcc	5.00V
-----	-------

Read

0F1000

NUM

 Log

```

Read Data Flash R5F100LDJ
Renesas RL78 group V1.1
Freq. 4000 kHz
Baud. 250000 pbs
Connected: R5F100LD
Silicon Signature: 02 16 10 00 06 52 35 46 31 30 44 AC
Code Flash size: 48 KB
Data Flash size: 8 KB
Flash options: 02 08 06 FE 07 00 00 2F 00 FF FF C6 03
Reading.
Parsing... 32 Blocks.
Parse: F1000H
Parse: F1100H
Parse: F1200H
Parse: F1300H
Parse: F1400H
Parse: F1500H
Parse: F1600H
Parse: F1700H
Parse: F1800H
Parse: F1900H
Parse: F1A00H
Parse: F1B00H
Parse: F1C00H
Parse: F1D00H
Parse: F1E00H
Parse: F1F00H
Parse: F2000H
Parse: F2100H
Parse: F2200H
Parse: F2300H
Parse: F2400H
Parse: F2500H
Parse: F2600H
Parse: F2700H
Parse: F2800H
Parse: F2900H
Parse: F2A00H
Parse: F2B00H
Parse: F2C00H
Parse: F2D00H
Parse: F2E00H
Parse: F2F00H
Done

```

***Read ok!***

Log

Parse: F2E00H  
Parse: F2F00H  
Done

Verify  
Renesas RL78 group V1.1  
Freq. 4000 kHz  
Baud. 250000 pbs  
Connected: R5F10DL  
Silicon Signature: 02 16 10 00 06 52 35 46 31 30 44 4C  
Code Flash size: 48 KB  
Data Flash size: 8 KB  
Flash options: 02 08 06 FE 07 00 00 2F 00 FF FF C6 03  
Verify 32 Blocks.  
Verify: F1000H Ok.  
Verify: F1100H Ok.  
Verify: F1200H Ok.  
Verify: F1300H Ok.  
Verify: F1400H Ok.  
Verify: F1500H Ok.  
Verify: F1600H Ok.  
Verify: F1700H Ok.  
Verify: F1800H Ok.  
Verify: F1900H Ok.  
Verify: F1A00H Ok.  
Verify: F1B00H Ok.  
Verify: F1C00H Ok.  
Verify: F1D00H Ok.  
Verify: F1E00H Ok.  
Verify: F1F00H Ok.  
Verify: F2000H Ok.  
Verify: F2100H Ok.  
Verify: F2200H Ok.  
Verify: F2300H Ok.  
Verify: F2400H Ok.  
Verify: F2500H Ok.  
Verify: F2600H Ok.  
Verify: F2700H Ok.  
Verify: F2800H Ok.  
Verify: F2900H Ok.  
Verify: F2A00H Ok.  
Verify: F2B00H Ok.  
Verify: F2C00H Ok.  
Verify: F2D00H Ok.  
Verify: F2E00H Ok.  
Verify: F2F00H Ok.

Type: Renesas RL78 R5F10DLDJ (8 Kx 8) Renesas RL78/D1A V1.1

vcc 5.00V

Ready

0F1000

NUM

# Write Data-Flash

File Buffer Device Tools Options Type Recent



- Read
- Compare
- Write
- Verify

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	0123456789ABCDEF
01800	55	55	55	55	55	55	55	55	FF	FF	FF	FF	FF	FF	FF	FF	UUUUUUUUяяяяяяяя
01810	52	00	00	AD	6A	05	00	6F	FF	FF	FF	FF	FF	FF	FF	FF	R...-j...о...яяяяяяяя
01820	FF	06	F8	01	2F	DB	FE	01	FC	06	F8	02	FC	06	AD	A9	я.ш./ью.ь.ш.ь.-@
01830	FA	06	FF	03	FA	06	AA	A8	F9	06	FB	04	C5	2C	47	E0	ь.я.ь.ёёщ.м.е.га
01840	EF	06	EC	05	EC	69	D3	AB	DC	06	DC	06	7E	7F	71	F8	п.м.миу«б.б.~qш
01850	D8	06	D9	07	BE	06	27	F8	D6	06	D8	08	C4	85	41	D0	ш.щ.с.'шц.ш.д...AP
01860	D0	06	DF	09	D0	06	DF	09	CE	06	C9	01	1E	DB	CF	01	Р.Я.Р.Я.О.Й...ьП.
01870	CB	06	CC	01	1B	DB	CA	01	C8	06	CF	01	18	DB	C9	01	л.м...ьк.и.п...ьй.
01880	C5	06	C2	01	15	DB	C4	01	C2	06	C5	01	12	DB	C3	01	е.в...ьд.в.е...ьг.
01890	BF	06	B8	01	6F	DB	BE	01	BC	06	BB	01	6C	DB	BD	01	й.ё.оьс.ж.»...льс.
018A0	B9	06	BE	01	69	DB	B8	01	B6	06	B1	01	66	DB	B7	01	к.с.иьё.г.±.фь.
018B0	B3	06	B4	01	63	DB	B2	01	B0	06	B7	01	60	DB	B1	01	и.г.сьи.°.°.'ь±.
018C0	AD	06	AA	01	7D	DB	AC	01	AA	06	AD	01	7A	DB	AB	01	-.ё.}ь-.ё.-.зь«.
018D0	A7	06	A0	01	77	DB	A6	01	A4	06	A3	01	74	DB	A5	01	§. .ьь .«.J.tьг.
018E0	A1	06	A6	01	71	DB	A0	01	9E	06	99	01	4E	DB	9F	01	9. .qь .ћ.'".ььу.
018F0	9B	06	9C	01	4B	DB	9A	01	98	06	9F	01	48	DB	99	01	>.ь.кьь. .у.ьь".
01900	95	06	92	01	45	DB	94	01	92	06	95	01	42	DB	93	01	°.'.ёь".'.°.ьь".
01910	8F	06	88	01	5F	DB	8E	01	8C	06	8B	01	5C	DB	8D	01	у.ш. .ьь.ь.<.\ьк.
01920	89	06	8E	01	59	DB	88	01	86	06	81	01	56	DB	87	01	%.т.ььь.т.г.уь±.
01930	83	06	84	01	53	DB	82	01	80	06	87	01	50	DB	81	01	г...сьь,.т.±.рьг.
01940	7D	06	7A	01	AD	DB	7C	01	7A	06	7D	01	AA	DB	7B	01	>.з.-ь .з.}>.ёь{.
01950	77	06	70	01	A7	DB	76	01	74	06	73	01	A4	DB	75	01	ь.р.§ьь.т.с.±ьь.
01960	71	06	76	01	A1	DB	70	01	6E	06	69	01	BE	DB	6F	01	q.v.9ьь.п.и.сьь.
01970	6B	06	6C	01	BB	DB	6A	01	68	06	6F	01	B8	DB	69	01	к.л.»ьж.һ.о.ёьи.
01980	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	яяяяяяяяяяяяяяяя
01990	FF	FF	FF	FF	FF	FF	FF	FF	D0	DD	06	00	D0	DD	06	00	яяяяяяяяP3..P3..
019A0	D0	DD	06	00	D0	DD	06	00	D0	DD	06	00	D0	DD	06	00	P3..P3..P3..P3..
019B0	D0	DD	06	00	D0	DD	06	00	D0	DD	06	00	D0	DD	06	00	P3..P3..P3..P3..
019C0	D0	DD	06	00	D0	DD	06	00	D0	DD	06	00	D0	DD	06	00	P3..P3..P3..P3..
019D0	D0	DD	06	00	D0	DD	06	00	D0	DD	06	00	D0	DD	06	00	P3..P3..P3..P3..
019E0	D0	DD	06	00	D0	DD	06	00	D0	DD	06	00	D0	DD	06	00	P3..P3..P3..P3..
019F0	D0	DD	06	00	D0	DD	06	00	D0	DD	06	00	D0	DD	06	00	P3..P3..P3..P3..
01A00	D0	DD	06	00	D0	DD	06	00	D0	DD	06	00	D0	DD	06	00	P3..P3..P3..P3..
01A10	D0	DD	06	00	D0	DD	06	00	D0	DD	06	00	D0	DD	06	00	P3..P3..P3..P3..
01A20	D0	DD	06	00	D0	DD	06	00	D0	DD	06	00	D0	DD	06	00	P3..P3..P3..P3..
01A30	D0	DD	06	00	D0	DD	06	00	D0	DD	06	00	D0	DD	06	00	P3..P3..P3..P3..
01A40	D0	DD	06	00	D0	DD	06	00	D0	DD	06	00	D0	DD	06	00	P3..P3..P3..P3..

Log

Verify: F1600H Ok.  
Verify: F1700H Ok.  
Verify: F1800H Ok.  
Verify: F1900H Ok.  
Verify: F1A00H Ok.  
Verify: F1B00H Ok.  
Verify: F1C00H Ok.  
Verify: F1D00H Ok.  
Verify: F1E00H Ok.  
Verify: F1F00H Ok.  
Verify: F2000H Ok.  
Verify: F2100H Ok.  
Verify: F2200H Ok.  
Verify: F2300H Ok.  
Verify: F2400H Ok.  
Verify: F2500H Ok.  
Verify: F2600H Ok.  
Verify: F2700H Ok.  
Verify: F2800H Ok.  
Verify: F2900H Ok.  
Verify: F2A00H Ok.  
Verify: F2B00H Ok.  
Verify: F2C00H Ok.  
Verify: F2D00H Ok.  
Verify: F2E00H Ok.  
Verify: F2F00H Ok.

Write Data Flash R5F10DLDJ  
Renesas RL78 group V1.1  
Freq. 4000 kHz  
Baud. 250000 pbs  
Connected: R5F10DLD  
Silicon Signature: 02 16 10 00 06 52 35 46 31 30 44 4C  
Code Flash size: 48 KB  
Data Flash size: 8 KB  
Flash options: 02 08 06 FE 07 00 00 2F 00 FF FF C6 03  
Erase Data-Flash Area.  
Erase: [F1000H] - Ok  
Erase: [F1400H] - Ok  
Erase: [F1800H] - Ok  
Erase: [F1C00H] - Ok  
Erase: [F2000H] - Ok  
Erase: [F2400H] - Ok  
Erase: [F2800H] - Ok  
Erase: [F2C00H] - Ok  
Ok



# Segway Snarler AT6L 2021 R5F10D





# KYMCO PEOPLE 150 R5F10W

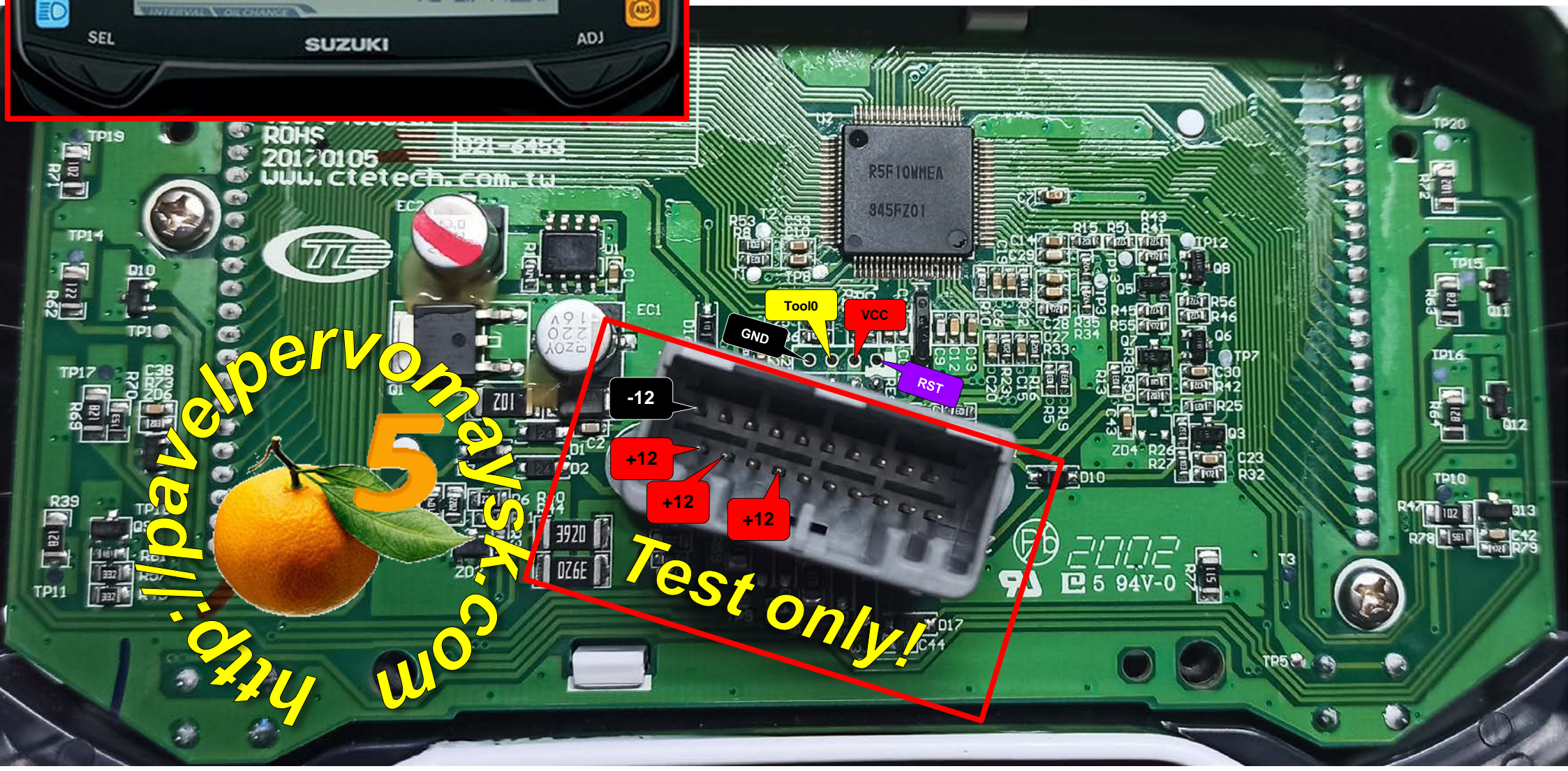


<http://pavelpervomaysk.com>



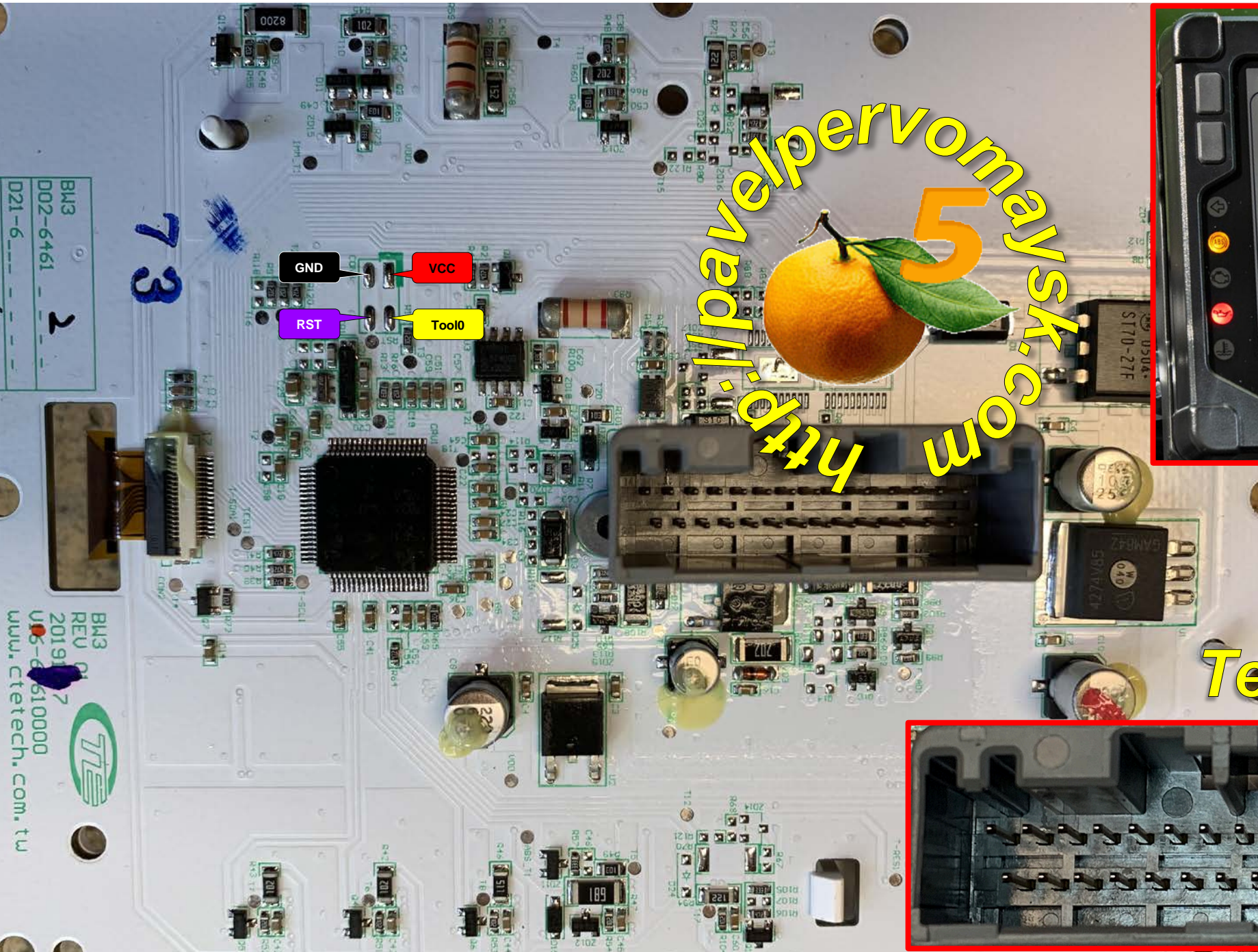


# Suzuki GSXS 125 R5F10W

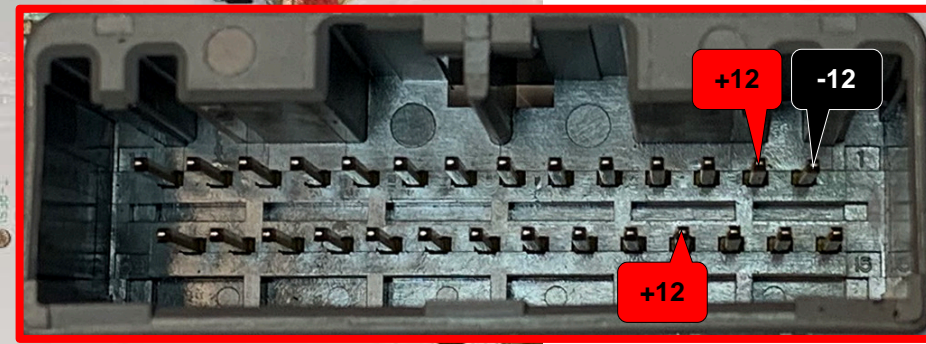




# Yamaha XTZ690 R5F10D

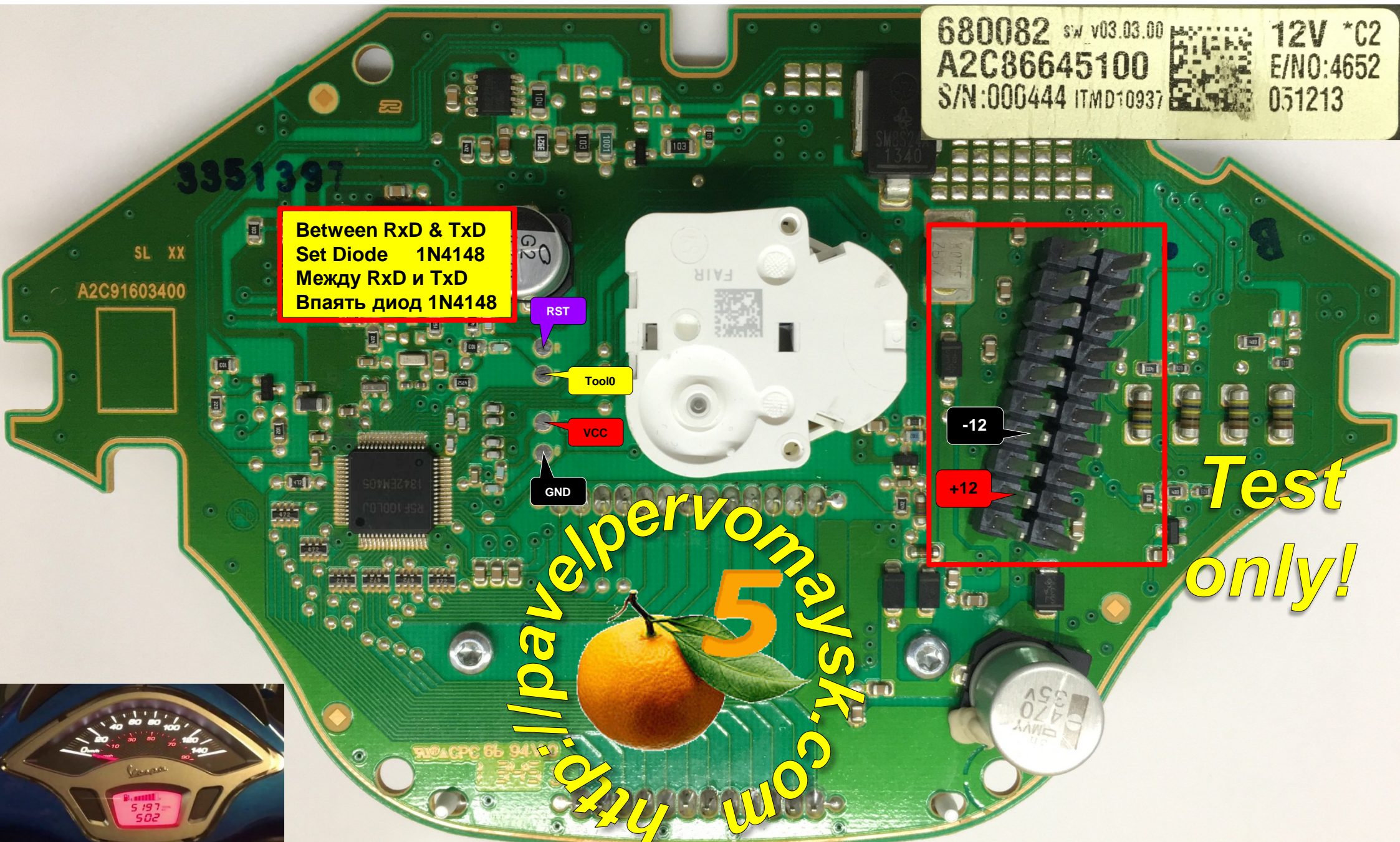


*Test only!*





# Yamaha Vespa R5F10DLDJ



680082 SW V03.03.00  
A2C86645100  
S/N:000444 ITMD10937

12V \*C2  
E/NO:4652  
051213

Between RxD & TxD  
Set Diode 1N4148  
Между RxD и TxD  
Впаять диод 1N4148

RST

Tool0

VCC

GND

-12

+12

Test  
only!

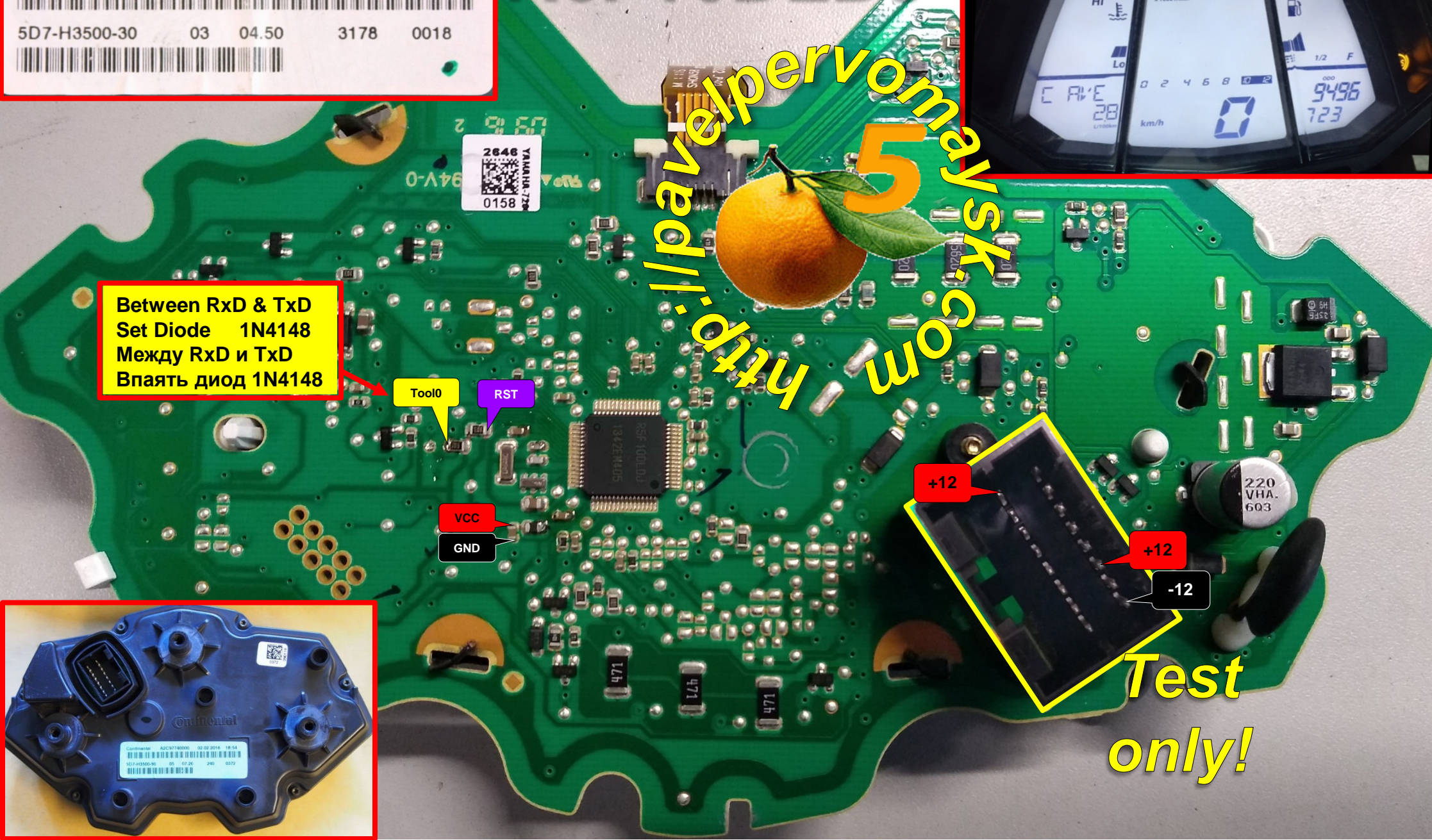
<http://pavelpervomaysk.com>





# Yamaha MT125 & YZF-R125

## R5F10DLDJ



Between RxD & TxD  
Set Diode 1N4148  
Между RxD и TxD  
Впаять диод 1N4148



**Test  
only!**



# Yamaha XSR700

## R5F10DM

VCC

Tool0

GND

RST

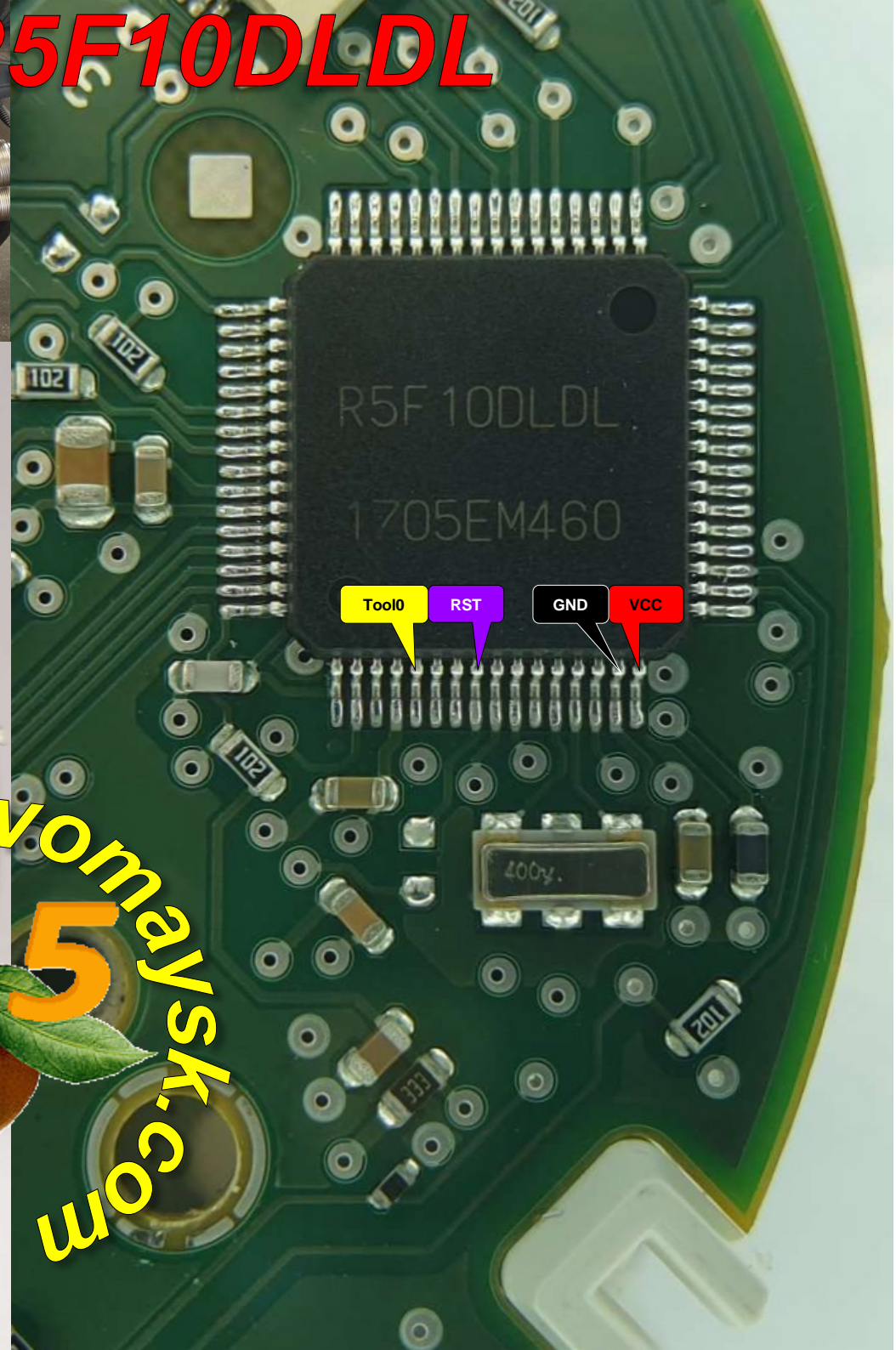
<http://pavelpervomaysk.com>







**BMW Bike R5F10DLDL**



<http://pavelpervomaysk.com>



5



# Peugeot Expert 2018 R5F10DM

N1-KMH 24.09.2018 SN1- 0636157  
CEM : YZK CMB N1 CEM00 K0  
YZK HW - 05.15.00 SW - 10.11.34.00



98 239 602 80 00



GND

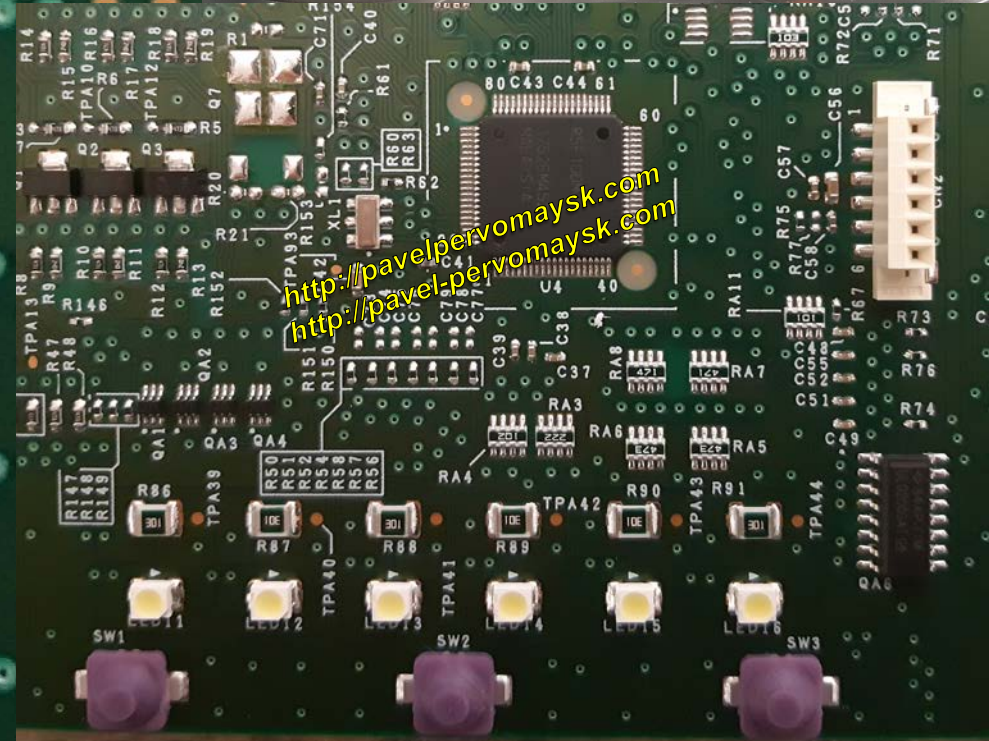
<http://pavelpervomaysk.com>  
<http://pavelpervomaysk.com>

RST

VCC

Tool0

<http://pavelpervomaysk.com>





# Citroen Space Tourer R5F10DM

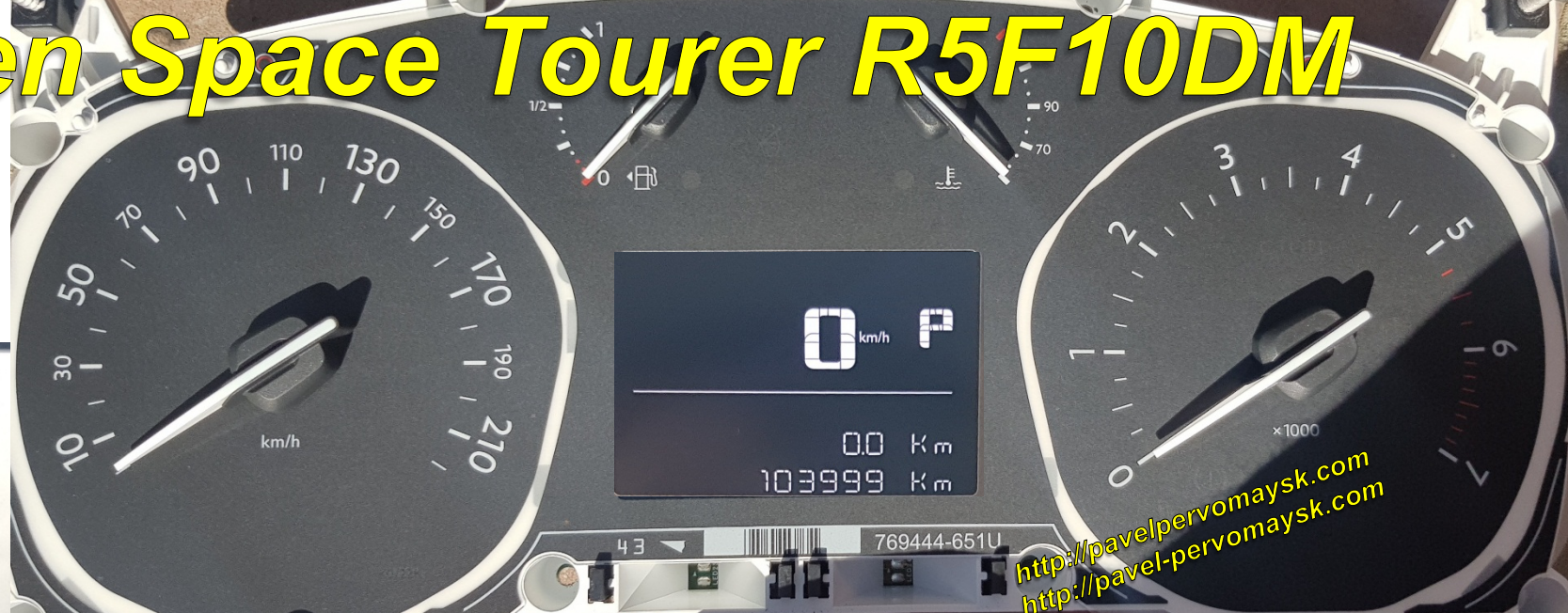
N2-KMH 30.08.2018 SN2- 0454394

CEM : YZK CMB N2 CEM01

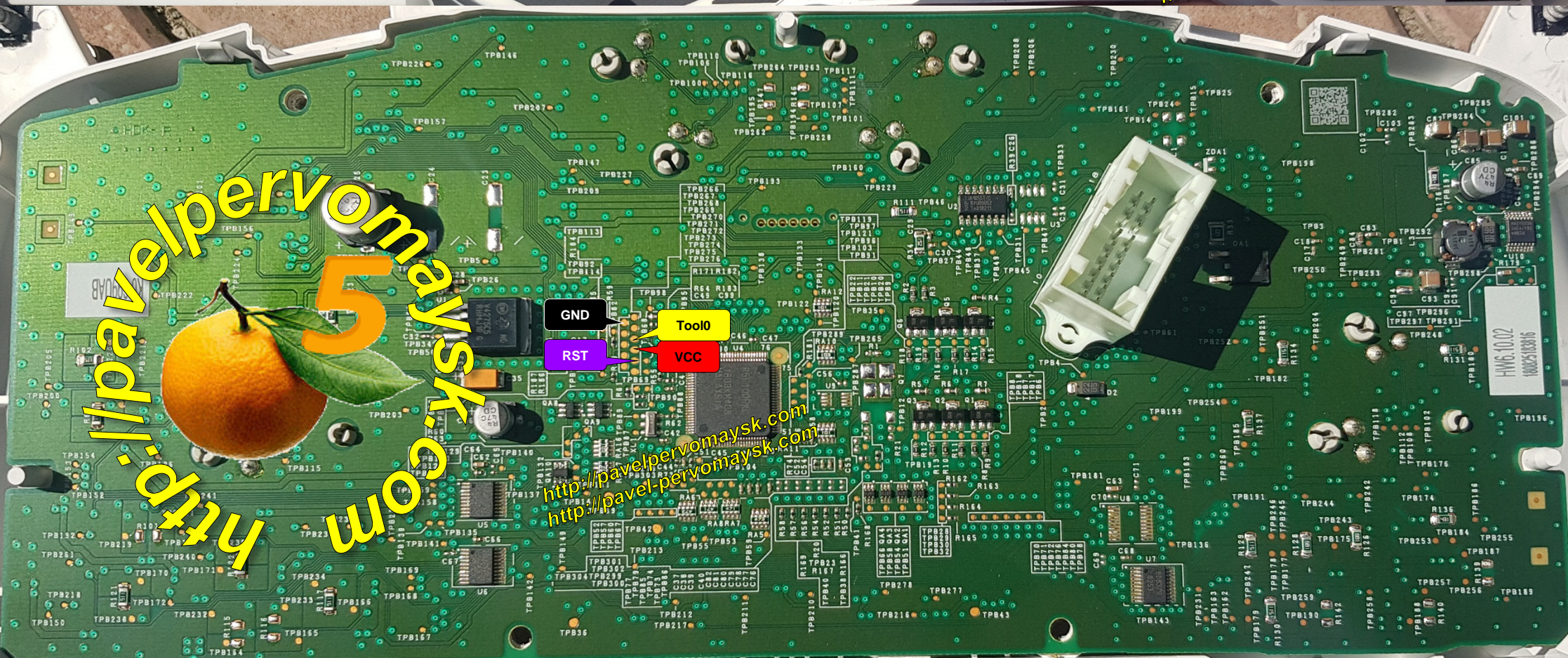
YZK HW - 06.10.02 SW - 10.11.34.00



98 239 605 80 00



<http://pavelpervomaysk.com>  
<http://pavel-pervomaysk.com>

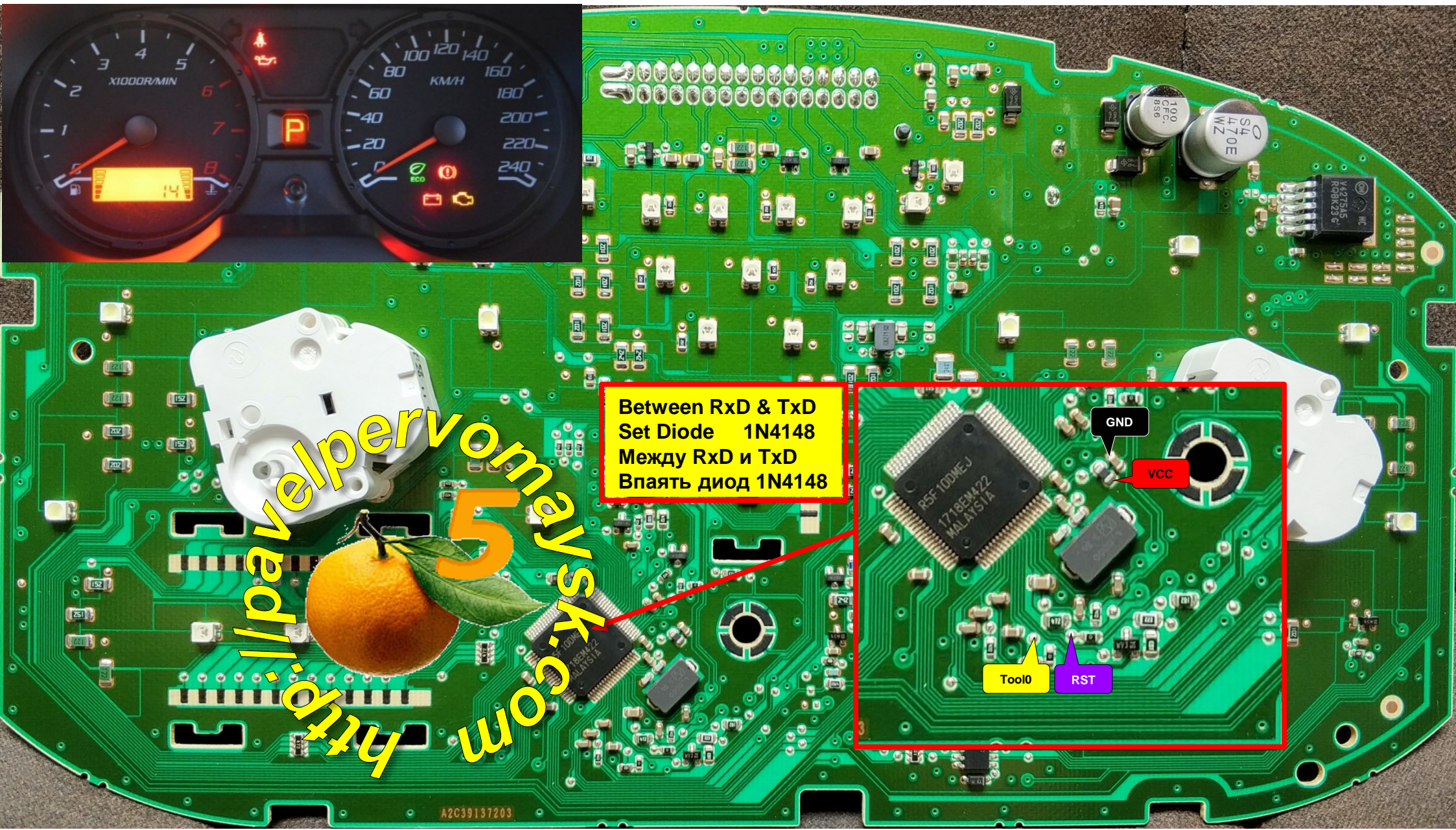


GND  
RST  
Tool0  
VCC

<http://pavelpervomaysk.com>  
<http://pavel-pervomaysk.com>

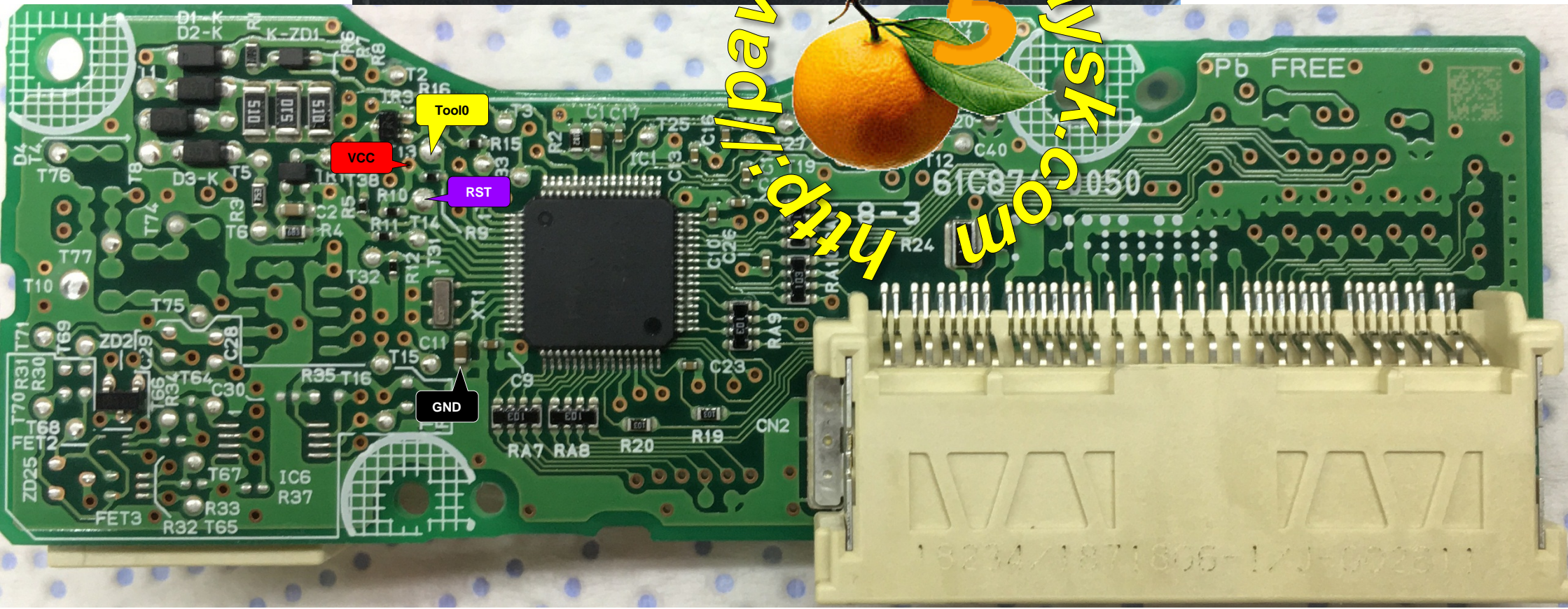
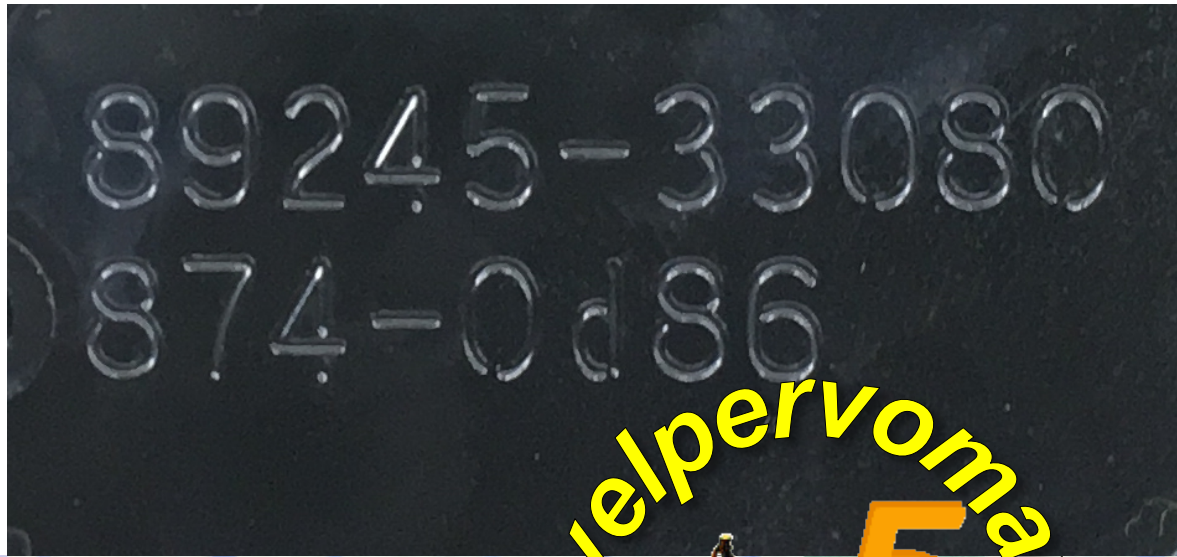


# Proton Saga R5F10DMEJ



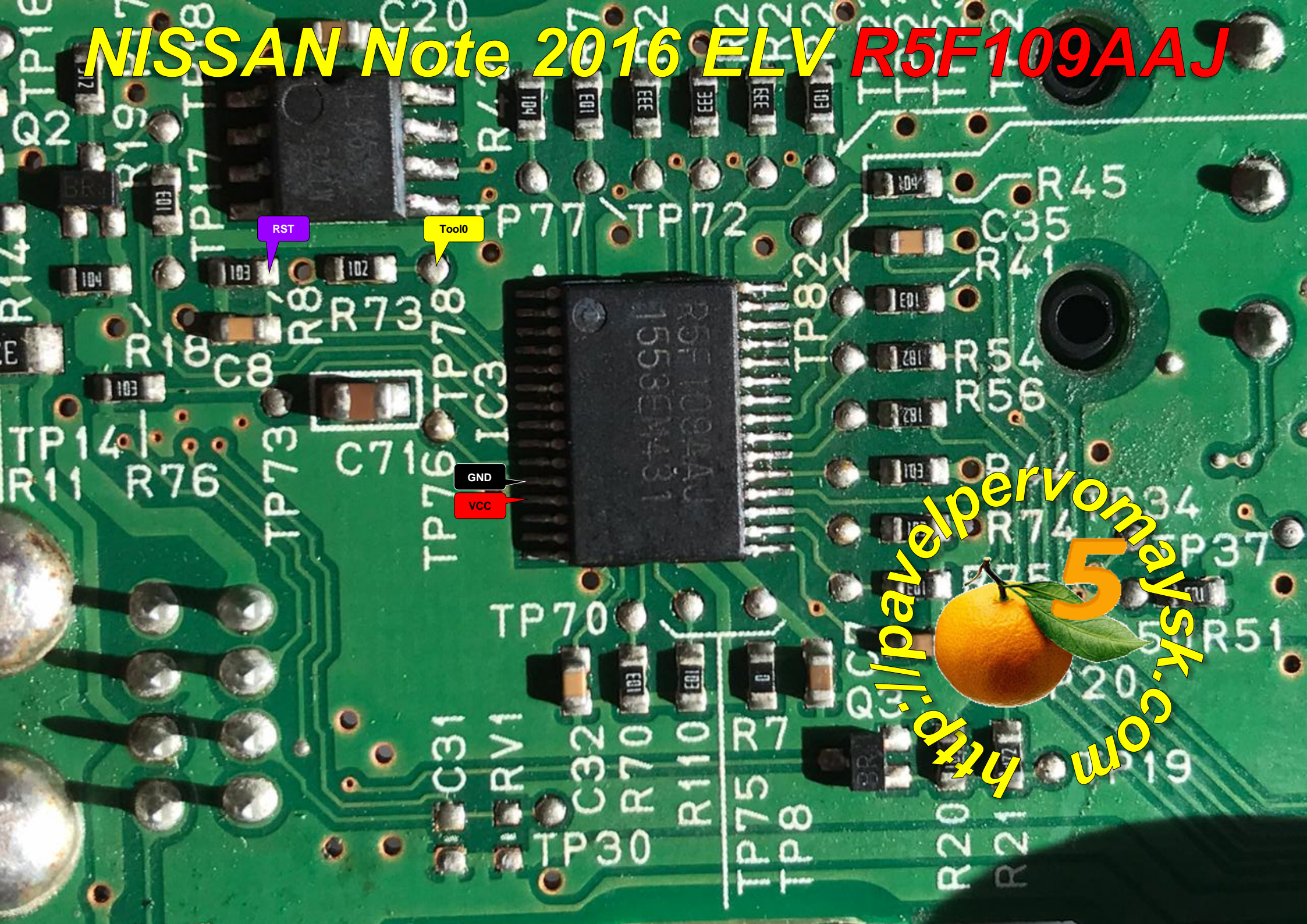


# Toyota Camry V70 R5F10PLJL





# NISSAN Note 2016 ELV R5F109AAJ



RST

Tool0

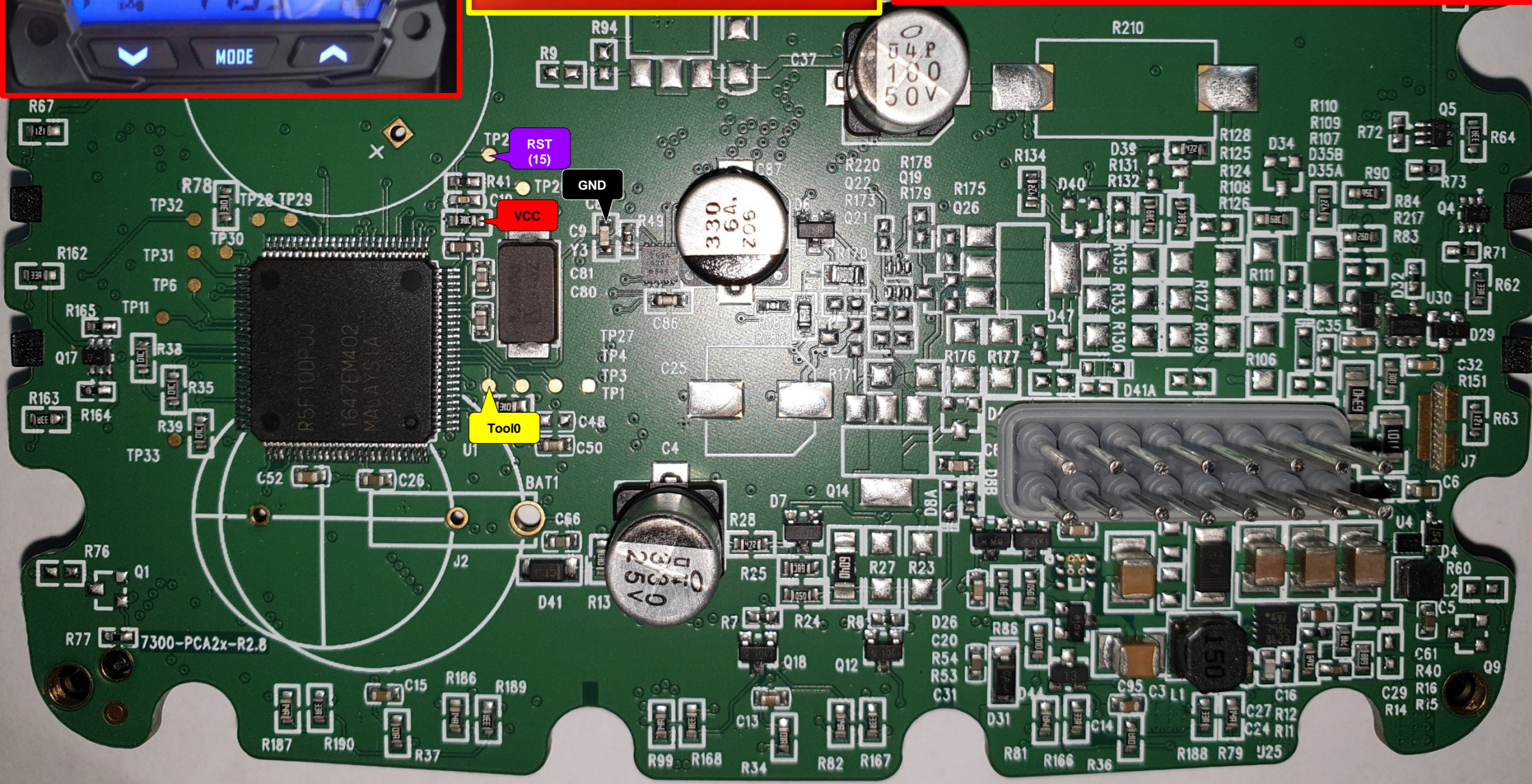
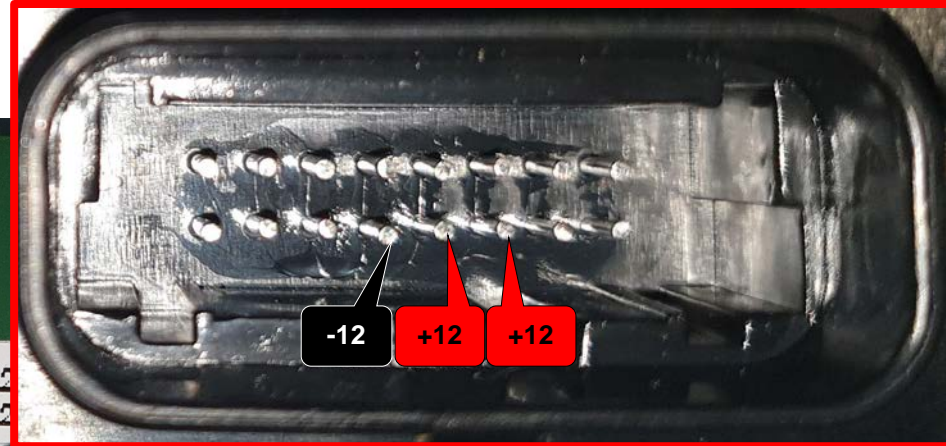
GND

VCC

<http://pavelpervomaynsk.com>

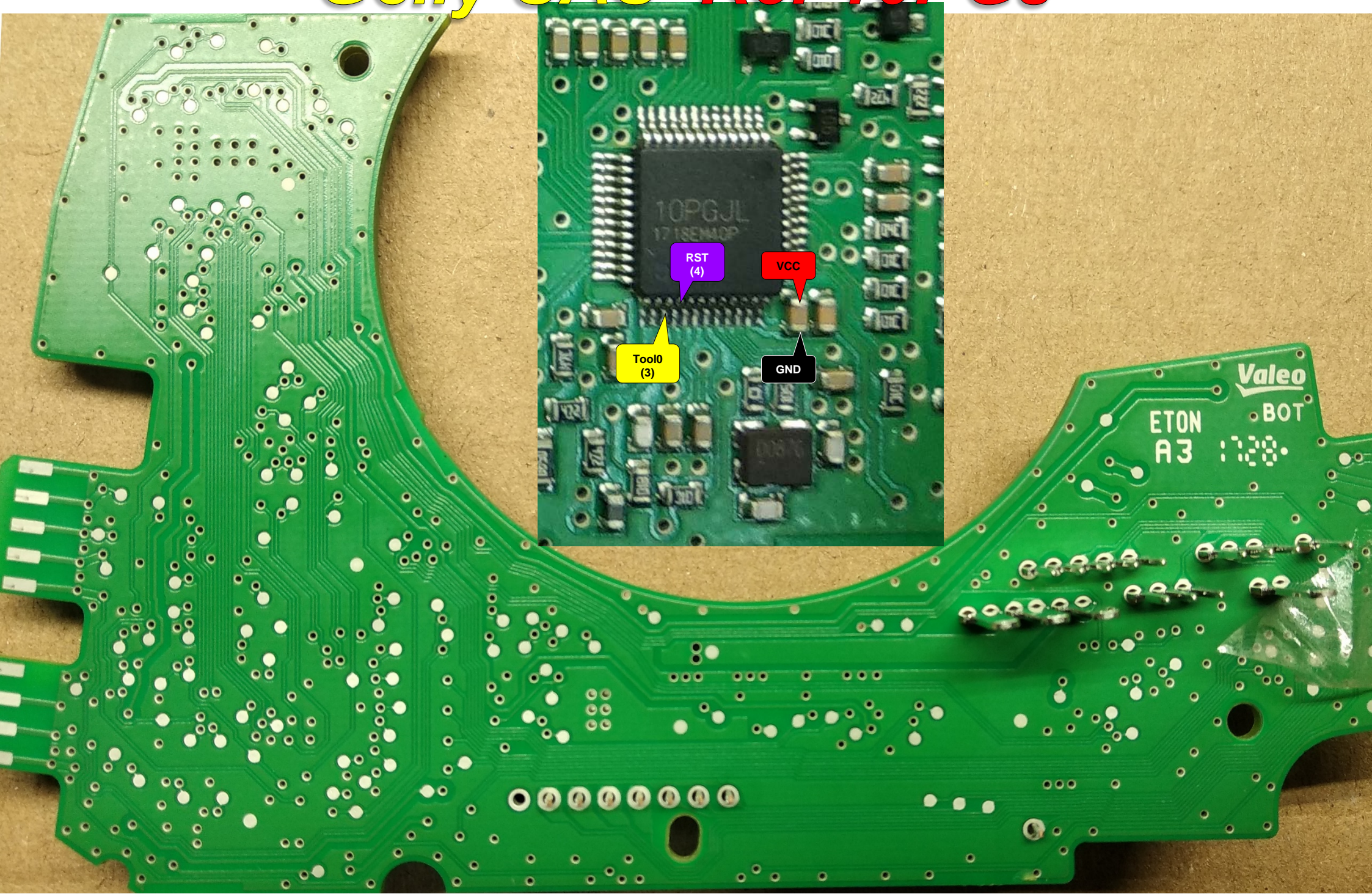


# *Polaris R5F10DPJJ*



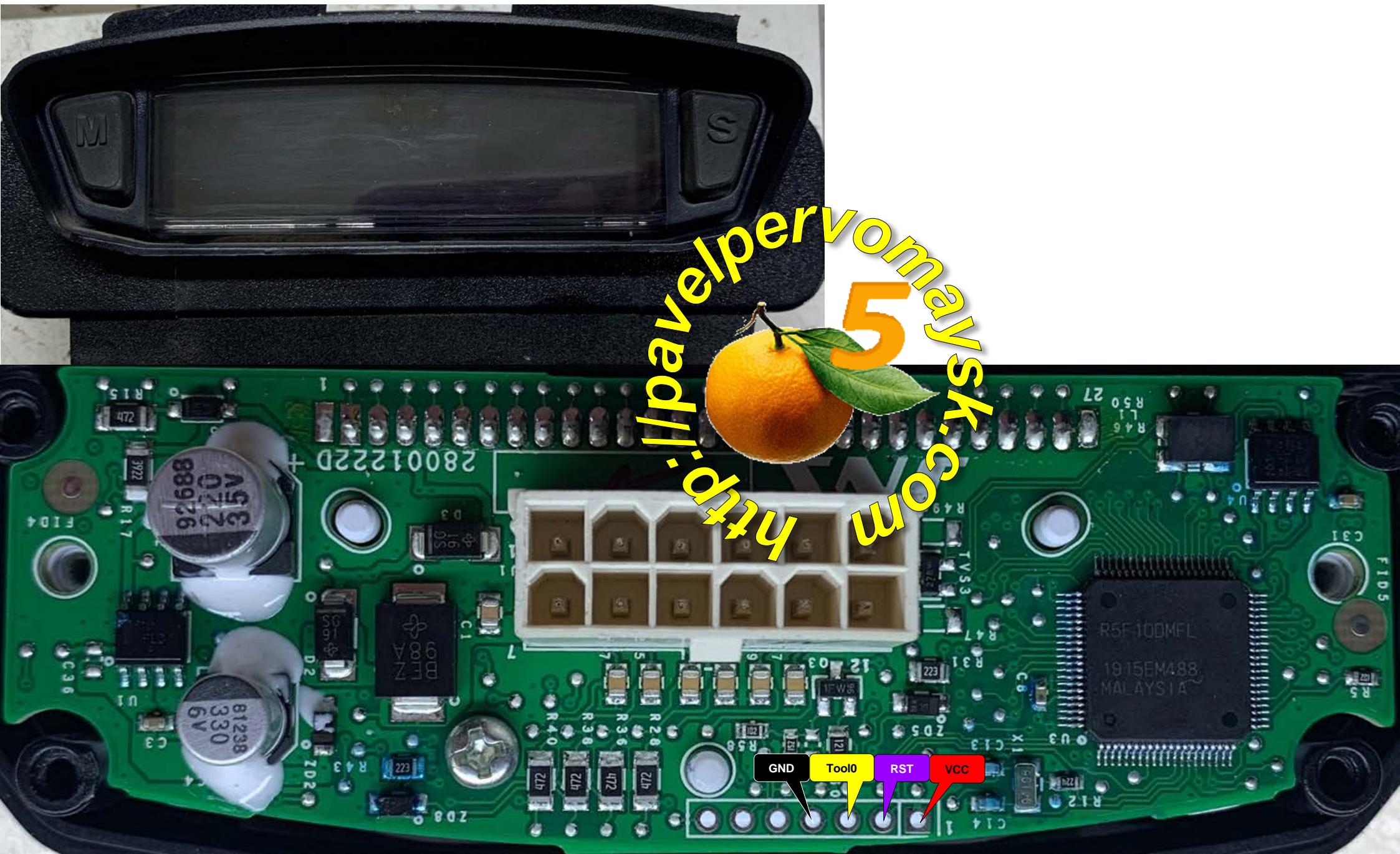


# Gelly SAS R5F10PGJ





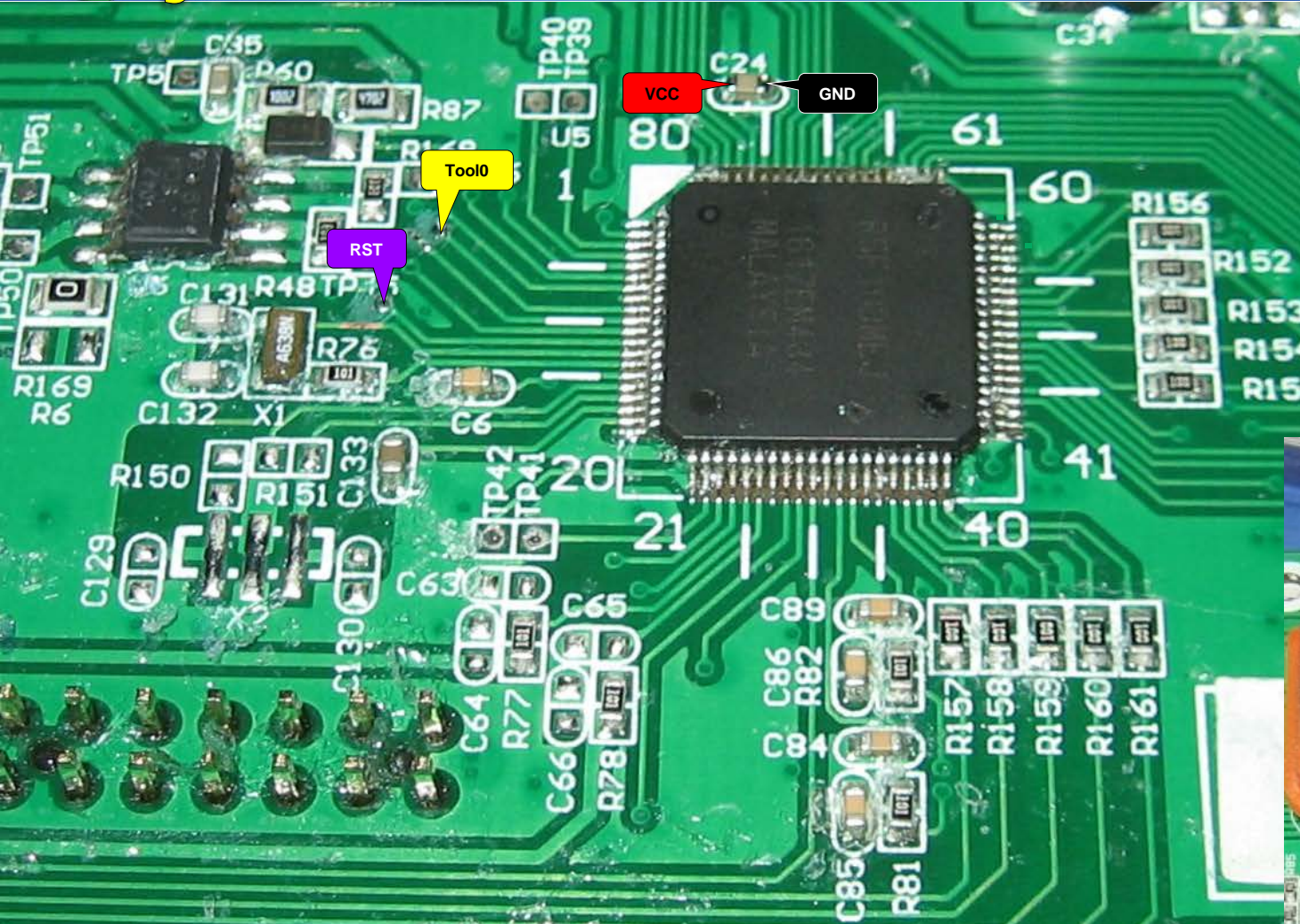
# *Bajaj dominar 400. R5F10DM*







**Kymco AK550 R5F10DM**





# BMW G07 belt tensioner

## R5F10PGJ





