

PCMflash module 77

ME9/MED9/EDC7/EDC16/PSG16/TCU Bootloader

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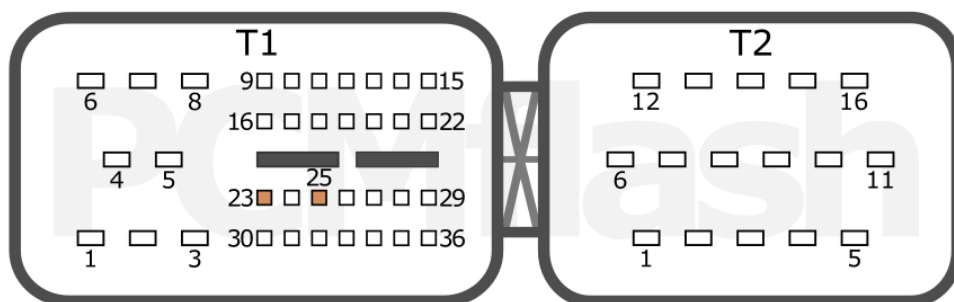
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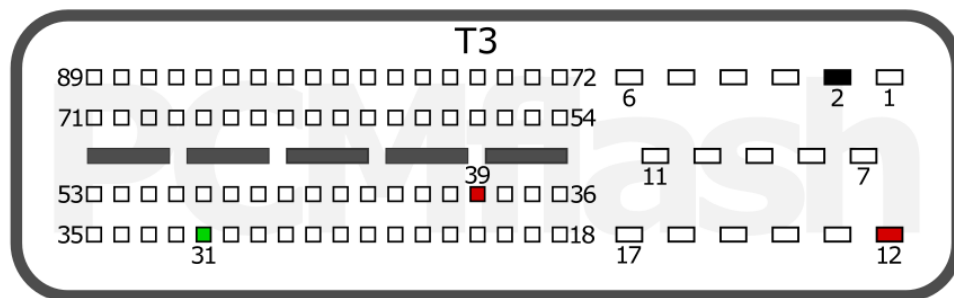
PCMflash

Engine Control Unit

EDC7C1



LABEL



+12V	T3: 39, 12	GPT*	T1: 23, 25
GND	T3: 2	K-LINE	T3: 31
*Install 10-50 uF capacitors on each GPT line			

BUS/TRUCK

pcmflash.ru

v.1

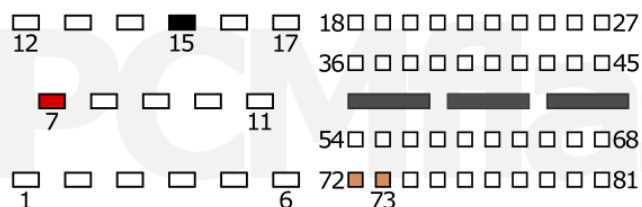
2021-11-09

PCMflash

Engine Control Unit

EDC7C3

T1



LABEL

T2



T3

**+12V**

T1: 7, T3: 36

GPT*

T1: 72, 73

GND

T1: 15

K-LINE

T3: 35

*Install 10-50 uF capacitors on each GPT line

MAN

pcmflash.ru

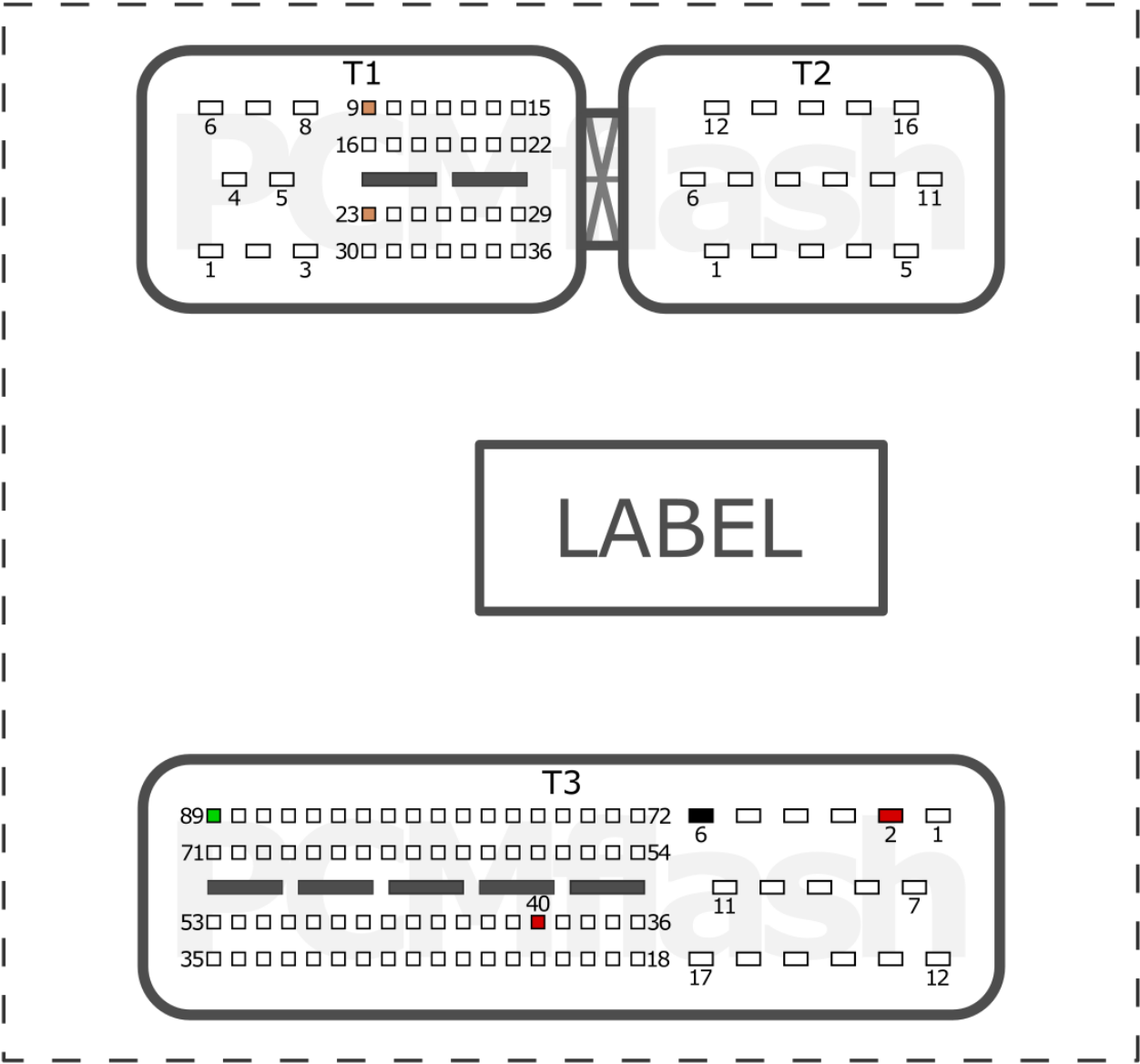
v.1

2021-08-05

PCMflash

Engine Control Unit

EDC7UC31



+12V	T3: 40, 2	GPT*	T1: 9, 23
GND	T3: 6	K-LINE	T3: 89
*Install 10-50 uF capacitors on each GPT line			

BUS/TRUCK

Engine Control Unit

Connection version 1



Connection version 2



MB

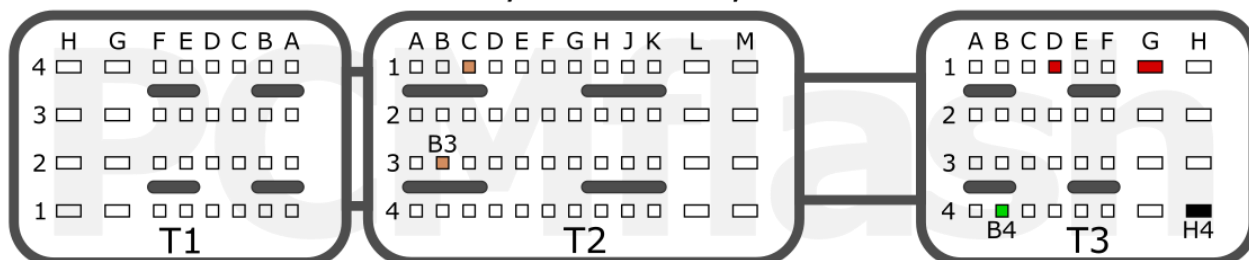
2021-07-28

PCMflash

Engine Control Unit

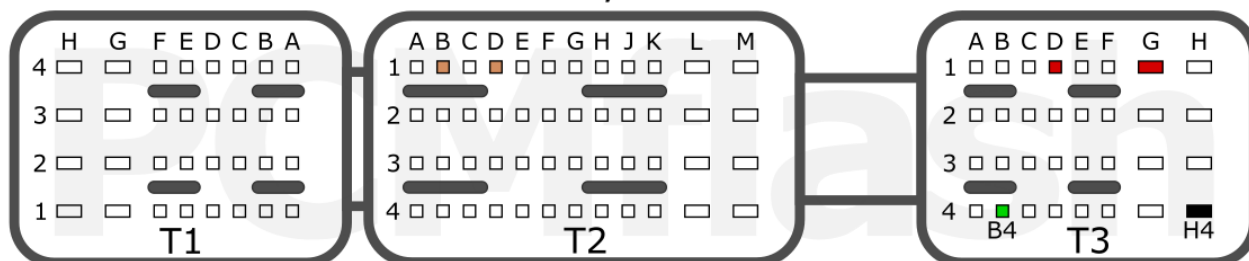
EDC16C3

NISSAN, RENAULT, SUZUKI



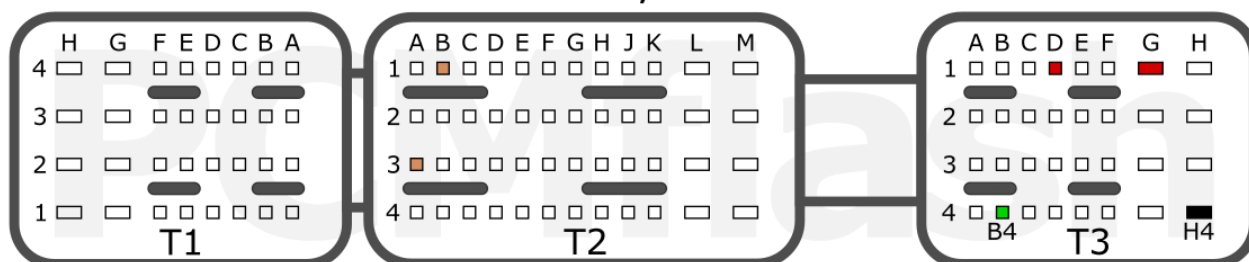
+12V	T3: D1, G1	GPT	T2: C1, B3
GND	T3: H4	K-LINE	T3: B4

NISSAN, RENAULT



+12V	T3: D1, G1	GPT	T2: B1, D1
GND	T3: H4	K-LINE	T3: B4

PEUGEOT, MAZDA



+12V	T3: D1, G1	GPT	T2: B1, A3
GND	T3: H4	K-LINE	T3: B4

MAZDA

NISSAN

PEUGEOT

RENAULT

SUZUKI

pcmflash.ru

v.1

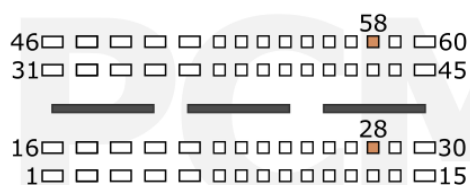
2021-08-04

PCMflash

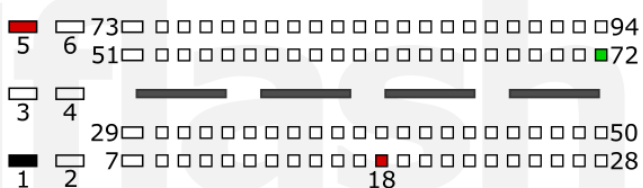
Engine Control Unit

EDC16C4

T60



T94

**+12V**

T94: 5, 18

GPT

T60: 58, 28

GND

T94: 1

K-LINE

T94: 72

AUDI

pcmflash.ru

v.1

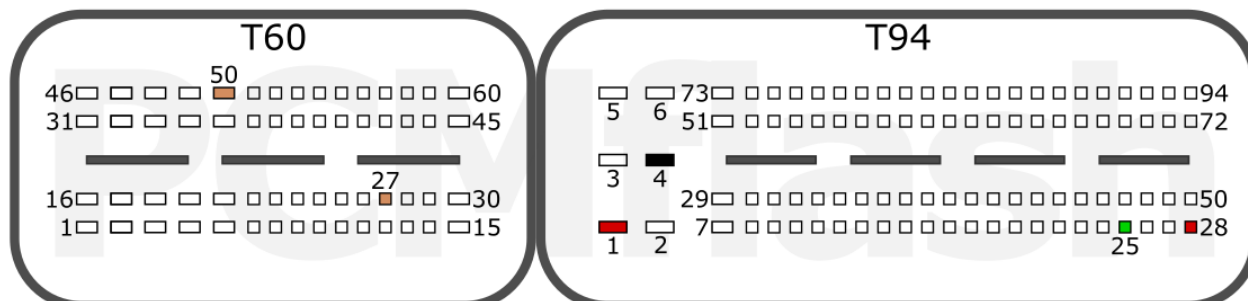
2022-07-26

PCMflash

Engine Control Unit

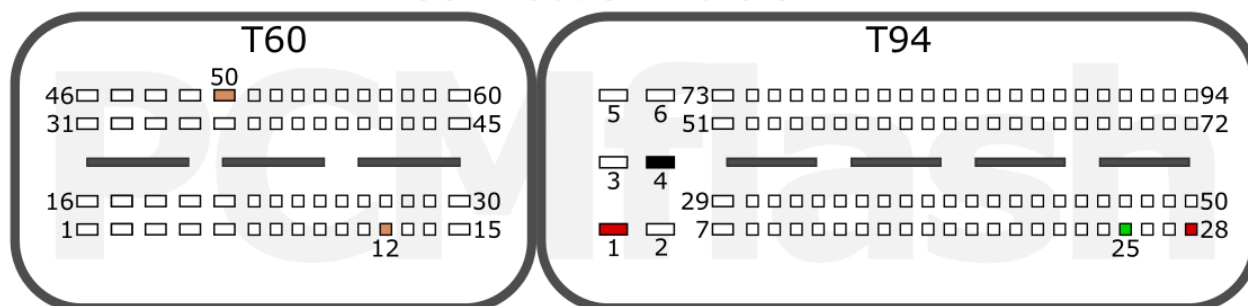
EDC16C9

Connection version 1



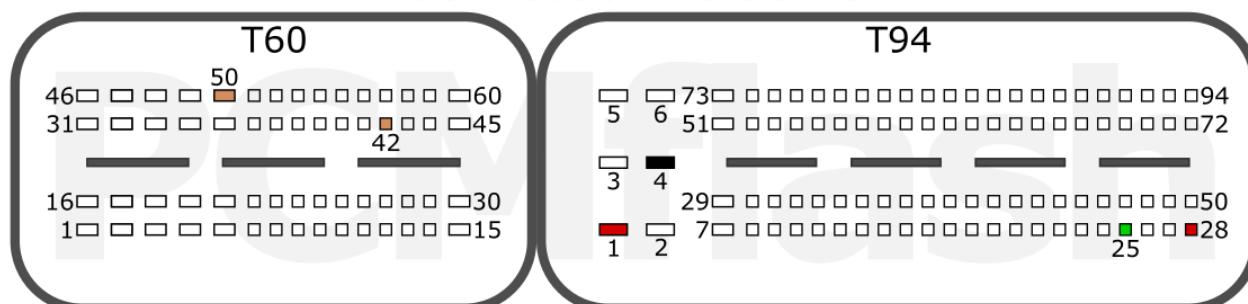
+12V	T94: 1, 28	GPT	T60: 50, 27
GND	T94: 4	K-LINE	T94: 25

Connection version 2



+12V	T94: 1, 28	GPT	T60: 50, 12
GND	T94: 4	K-LINE	T94: 25

Connection version 3



+12V	T94: 1, 28	GPT	T60: 50, 42
GND	T94: 4	K-LINE	T94: 25

GM

pcmflash.ru

v.2

2021-12-03

Engine Control Unit

EDC16C10

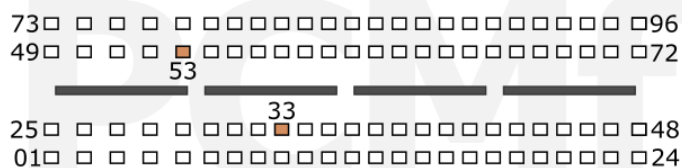


TOYOTA

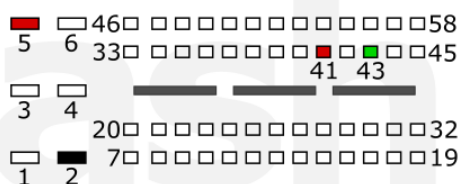
Engine Control Unit

EDC16C31

T96



T58

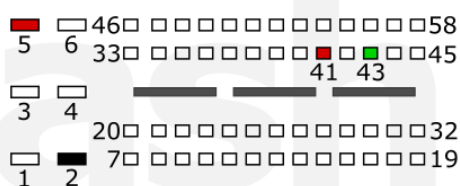


+12V	T58: 5, 41	GPT	T96: 33, 53
GND	T58: 2	K-LINE	T58: 43

T96



T58



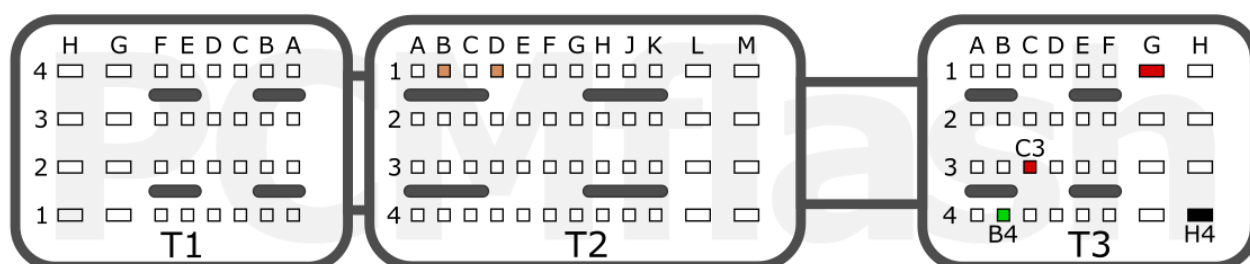
+12V	T58: 5, 41	GPT	T96: 66, 77
GND	T58: 2	K-LINE	T58: 43

VOLVO

PCMflash

Engine Control Unit

EDC16C34



+12V	T3: G1, C3	GPT	T2: B1, D1
GND	T3: H4	K-LINE	T3: B4

FORD

VOLVO

pcmflash.ru

v.1

2021-08-03

Engine Control Unit

EDC16C35



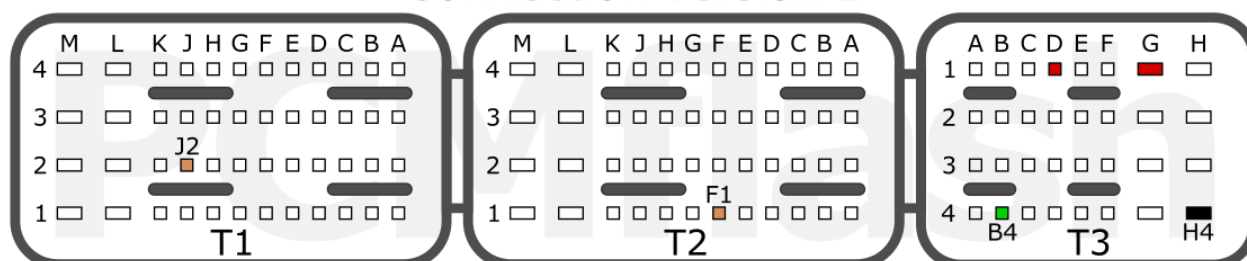
BMW

PCMflash

Engine Control Unit

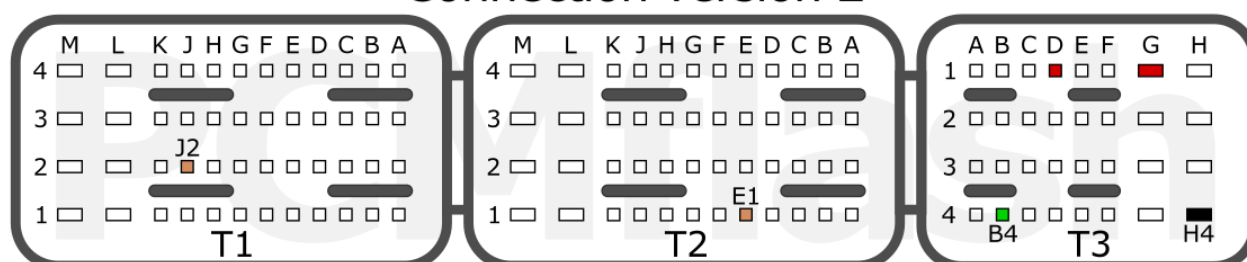
EDC16C36

Connection version 1



+12V	T3: D1, G1	GPT	T1: J2, T2:F1
GND	T3: H4	K-LINE	T3: B4

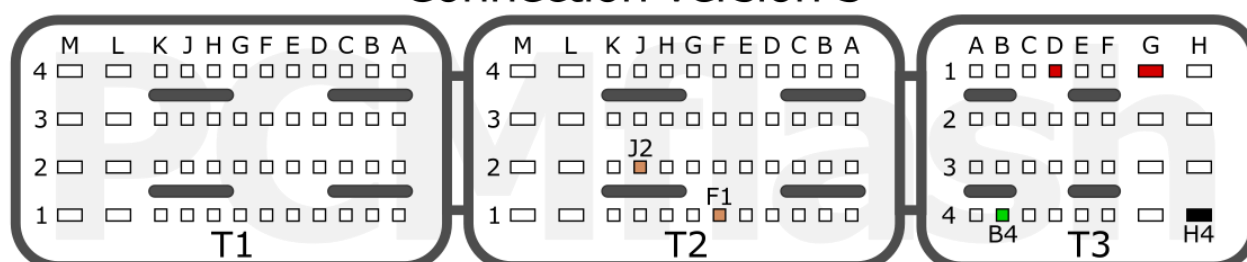
Connection version 2



+12V	T3: D1, G1	GPT	T1: J2, T2:E1*
GND	T3: H4	K-LINE	T3: B4

*10uF 50v capacitor required on E1 GPT line

Connection version 3



+12V	T3: D1, G1	GPT	T2: J2, F1
GND	T3: H4	K-LINE	T3: B4

RENAULT

pcmflash.ru

v.3

2022-01-25

PCMflash

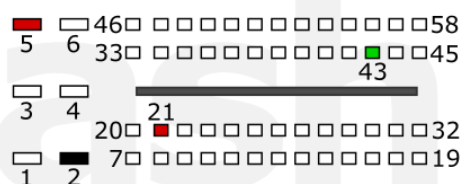
Engine Control Unit

EDC16C37

T96



T58



+12V	T58: 5, 21	GPT	T96: 79, 5
GND	T58: 2	K-LINE	T58: 43

GM

pcmflash.ru

v.1

2021-11-03

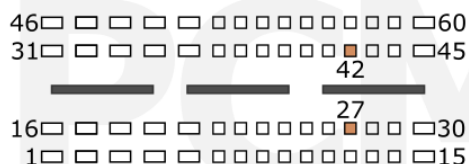
PCMflash

Engine Control Unit

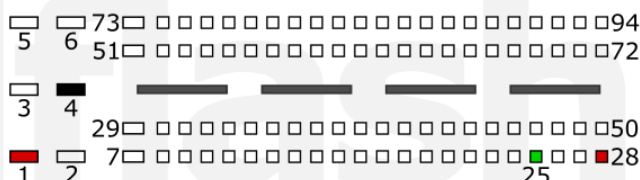
EDC16C39

CHEVROLET, FIAT, HYUNDAI, IVECO, KIA, UAZ

T60



T94

**+12V**

T94: 1, 28

GPT

T60: 42, 27

GND

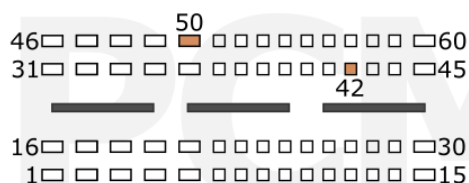
T94: 4

K-LINE

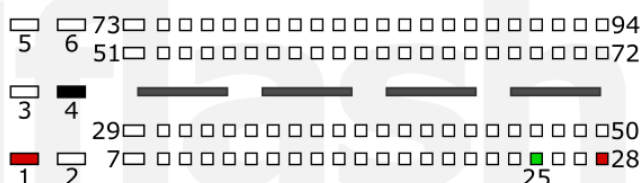
T94: 25

CHEVROLET, HYUNDAI

T60



T94

**+12V**

T94: 1, 28

GPT

T60: 50, 42

GND

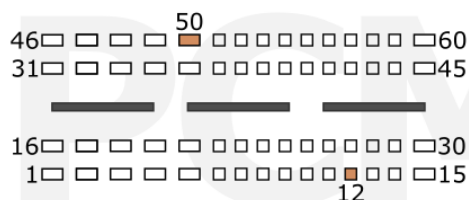
T94: 4

K-LINE

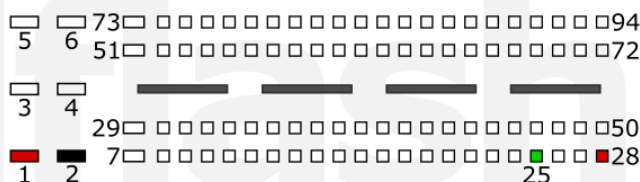
T94: 25

OPEL, SAAB

T60



T94

**+12V**

T94: 1, 28

GPT

T60: 50, 12

GND

T94: 2

K-LINE

T94: 25

CHEVROLET

FIAT

HYUNDAI

IVECO

KIA

UAZ

OPEL

SAAB

pcmflash.ru

v.1

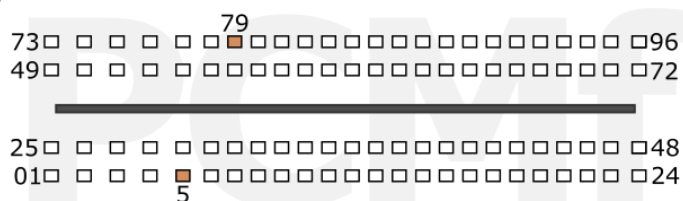
2021-07-31

PCMflash

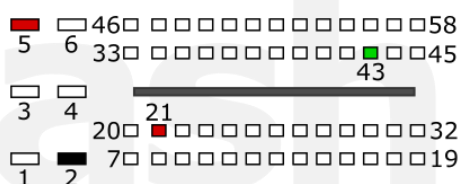
Engine Control Unit

EDC16C42

T96



T58



+12V	T58: 5, 21	GPT	T96: 5, 79
GND	T58: 2	K-LINE	T58: 43

GMC

pcmflash.ru

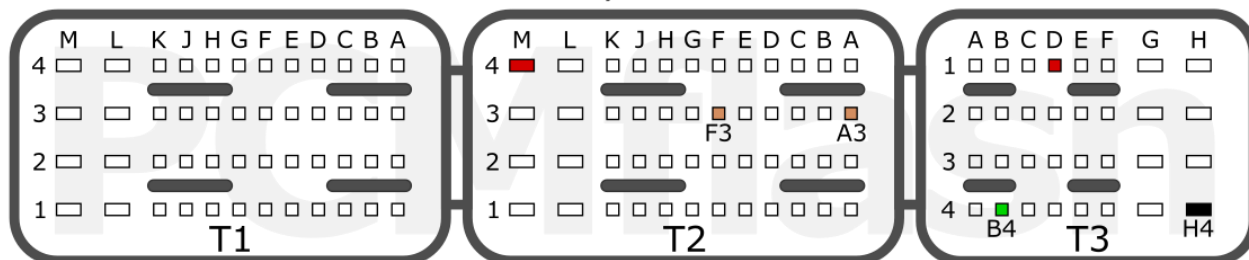
v.1

2022-04-04

Engine Control Unit

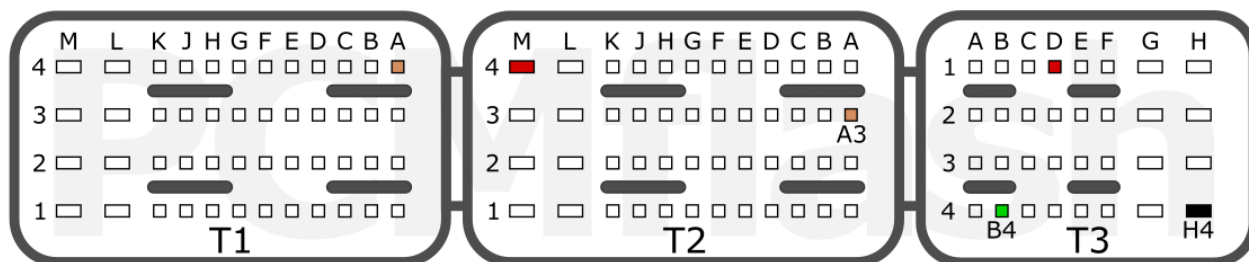
EDC16CP33

NISSAN, RENAULT



+12V	T2: M4, T3: D1	GPT	T2: F3, T2: A3
GND	T3: H4	K-LINE	T3: B4

RENAULT



+12V	T2: M4, T3: D1	GPT	T1: A4, T2: A3
GND	T3: H4	K-LINE	T3: B4

RENAULT

v.3

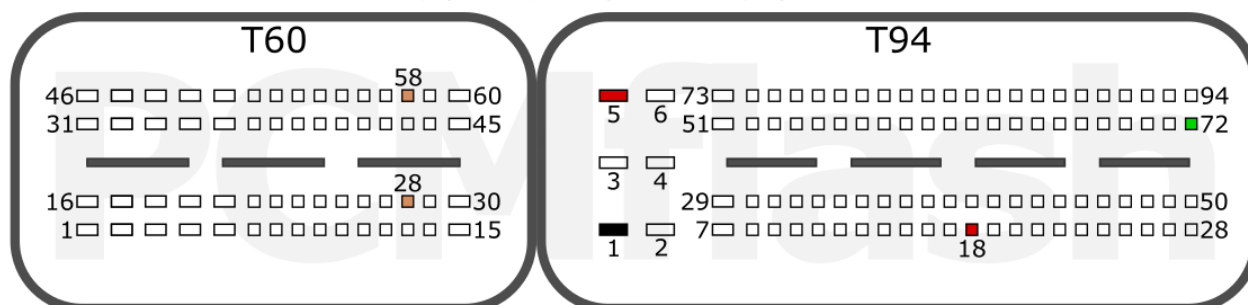
2022-04-04

PCMflash

Engine Control Unit

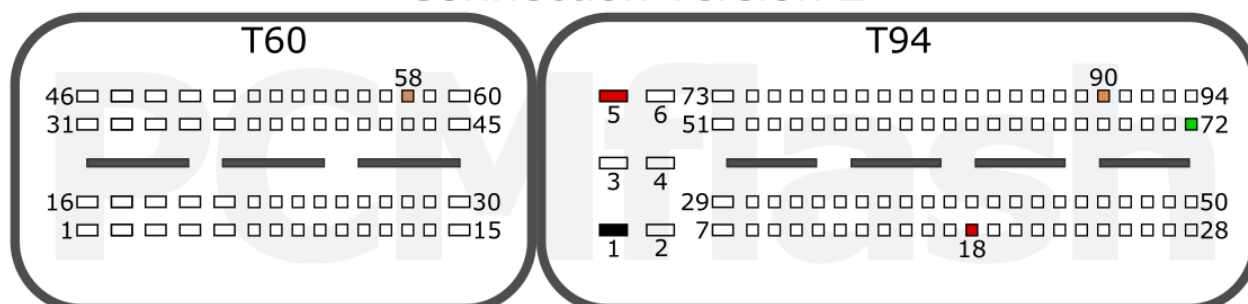
EDC16CP34

Connection version 1



+12V	T94: 5, 18	GPT	T60: 58, 28
GND	T94: 1	K-LINE	T94: 72

Connection version 2



+12V	T94: 5, 18	GPT	T60: 58, T94: 90
GND	T94: 1	K-LINE	T94: 72

AUDI

pcmflash.ru

v.2

2021-11-03

Engine Control Unit

T96

73 □ 96
49 □ 72
87
62

25 □ 48
01 □ 24

T58

5 6 46 33 58 45

3 4 20 32 19

1 2 7 8

+12V	T58: 1, 7	GPT	T96: 87, 62
GND	T58: 2	K-LINE	T58: 8

pcmflash.ru

v.1

2021-07-27

Engine Control Unit

T96



T58: 5, 15, 16

GPT

T96: 33, 77

GND

T58: 2

K-LINE

T58: 29

MB

pcmflash.ru

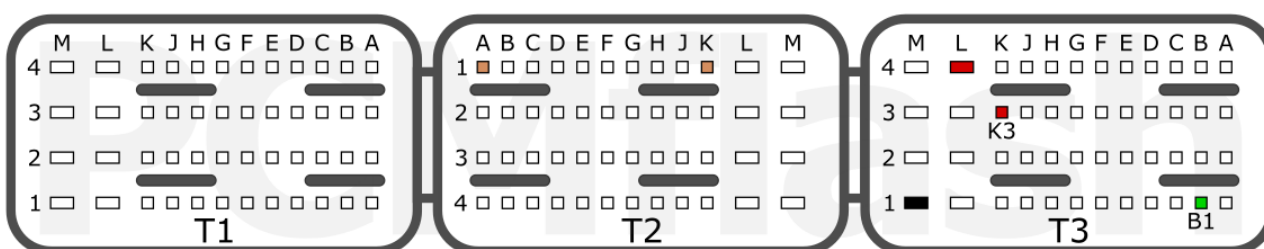
v.1

2021-08-08

PCMflash

Engine Control Unit

EDC16CP39



+12V	T3: L4, K3	GPT	T2: A1, K1
GND	T3: M1	K-LINE	T3: B1

FORD

JLR

pcmflash.ru

v.1

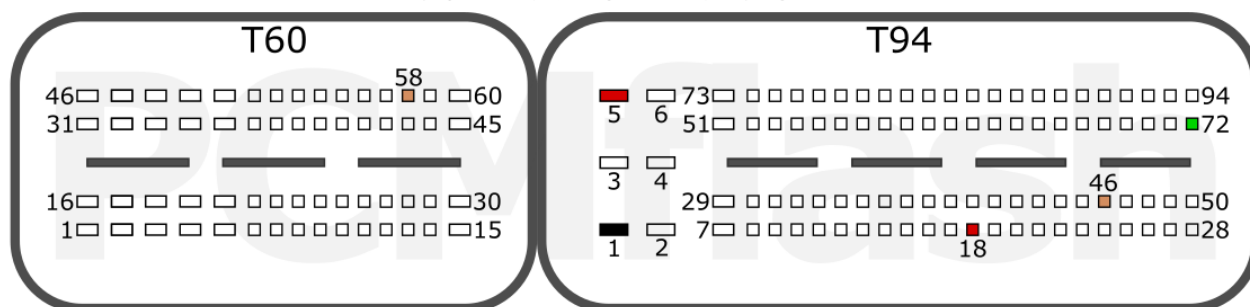
2021-08-06

PCMflash

Engine Control Unit

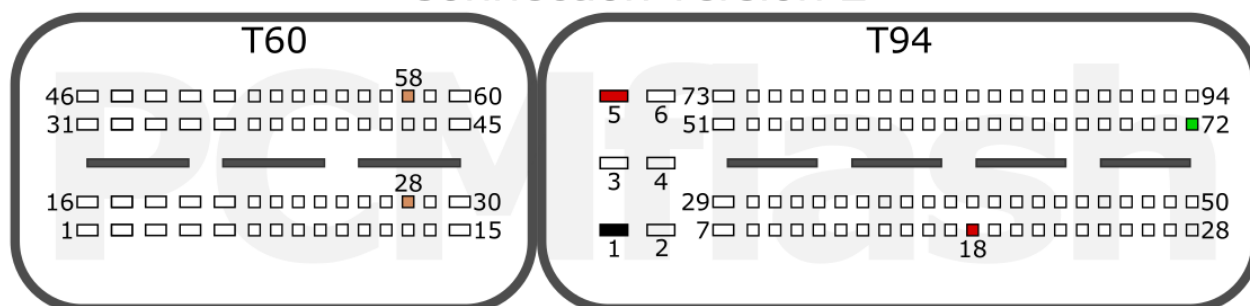
EDC16CP42

Connection version 1



+12V	T94: 5, 18	GPT	T60: 58; T94: 46
GND	T94: 1	K-LINE	T94: 72

Connection version 2



+12V	T94: 5, 18	GPT	T60: 58, 28
GND	T94: 1	K-LINE	T94: 72

NISSAN

pcmflash.ru

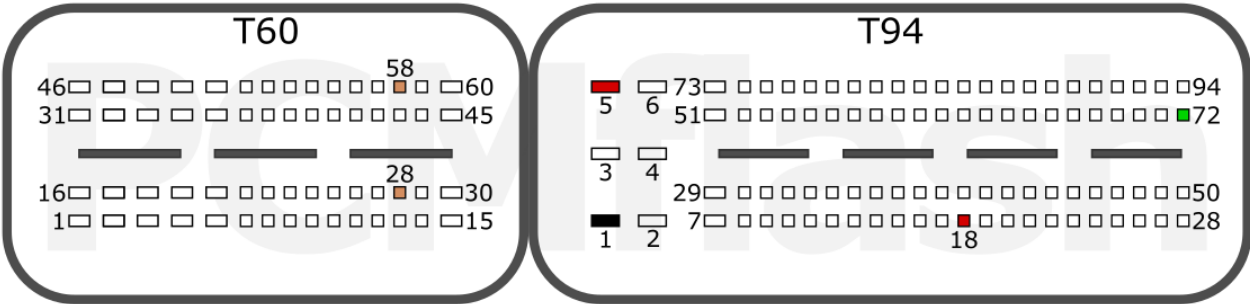
v.1

2021-08-23

PCMflash

Engine Control Unit

EDC16U1/U31/U34/CP34



+12V	T94: 5, 18	GPT	T60: 58, 28
GND	T94: 1	K-LINE	T94: 72

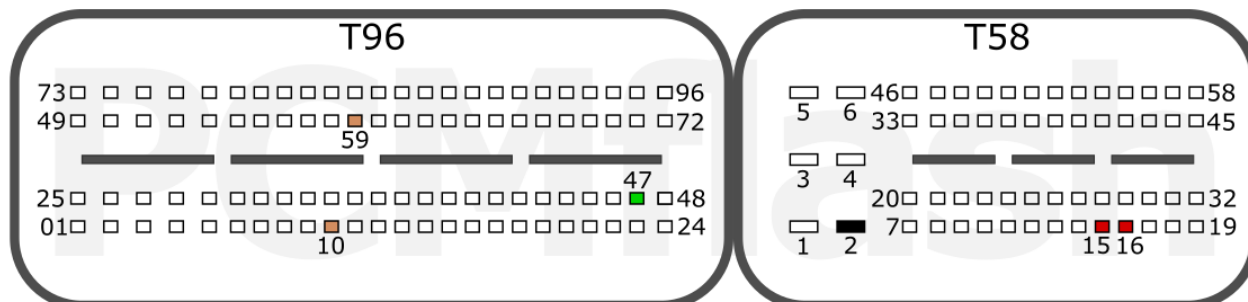
VAG

PCMflash

Engine Control Unit

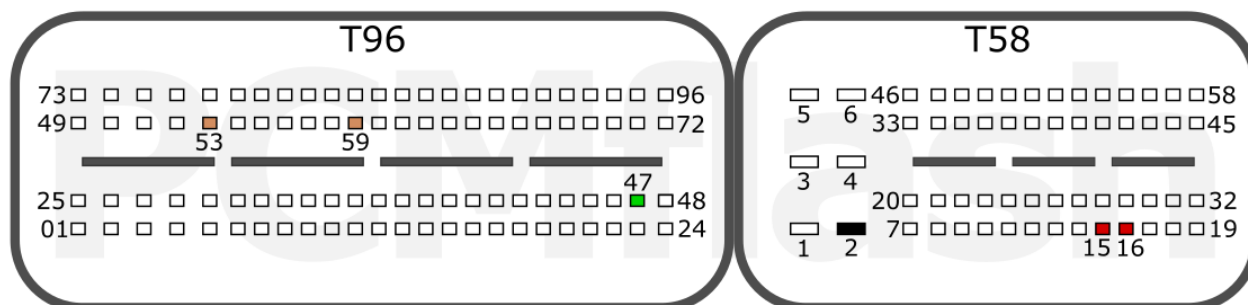
ME9.0

Connection version 1



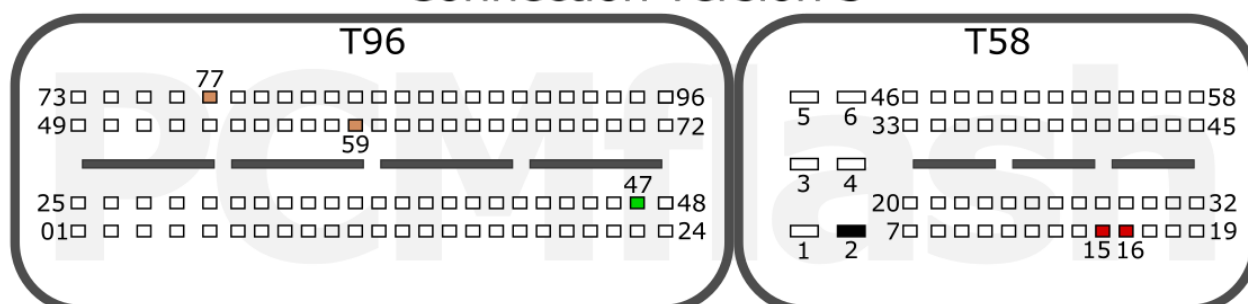
+12V	T58: 15, 16	GPT	T96: 59, 10
GND	T58: 2	K-LINE	T96: 47

Connection version 2



+12V	T58: 15, 16	GPT	T96: 59, 53
GND	T58: 2	K-LINE	T96: 47

Connection version 3



+12V	T58: 15, 16	GPT	T96: 59, 77
GND	T58: 2	K-LINE	T96: 47

VOLVO

pcmflash.ru

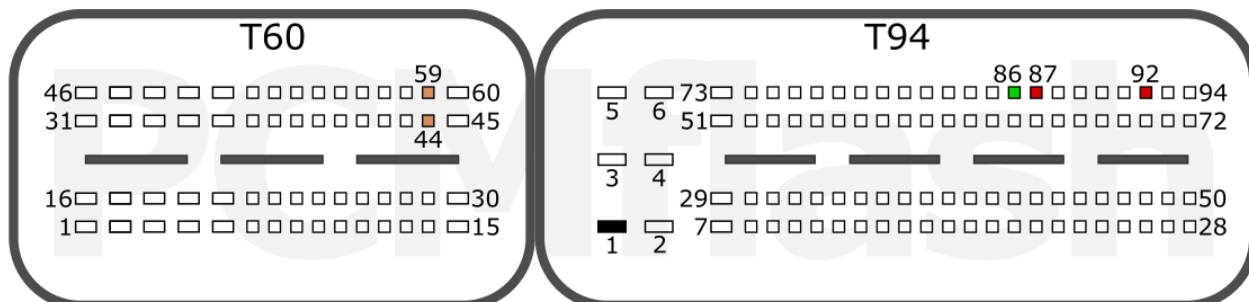
v.2

2021-11-03

Engine Control Unit

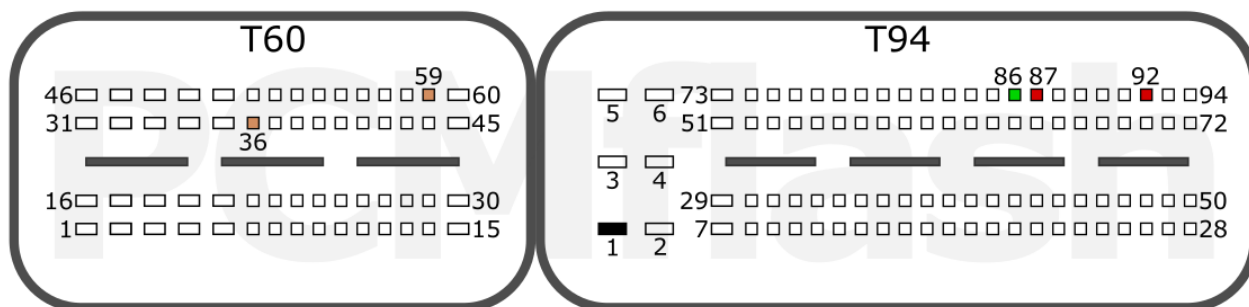
MED9.1/MED9.1.1

Connection version 1



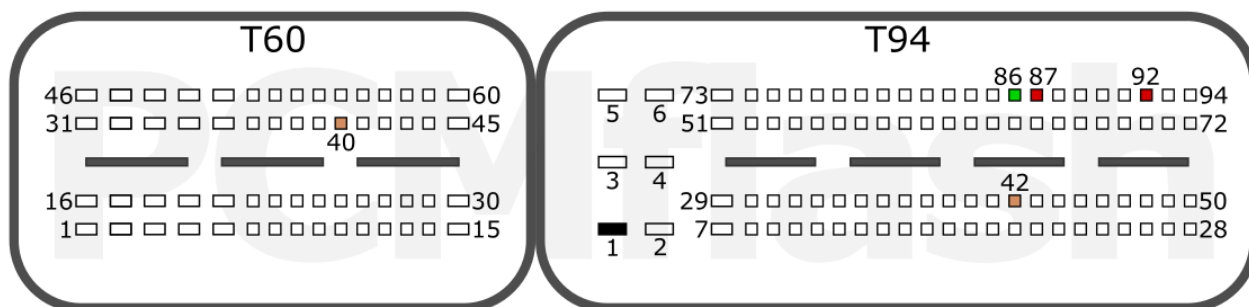
+12V	T94: 87, 92	GPT	T60: 59, 44
GND	T94: 1	K-LINE	T94: 86

Connection version 2



+12V	T94: 87, 92	GPT	T60: 59, 36
GND	T94: 1	K-LINE	T94: 86

Connection version 3



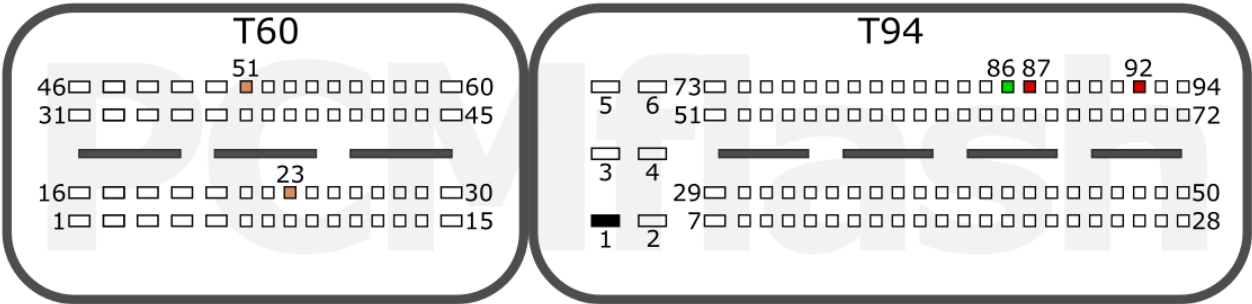
+12V	T94: 87, 92	GPT	T60: 40, T94:42
GND	T94: 1	K-LINE	T94: 86

VAG

PCMflash

Engine Control Unit

MED9.5.10



+12V	T94: 87, 92	GPT	T60: 51, 23
GND	T94: 1	K-LINE	T94: 86

VAG

pcmflash.ru

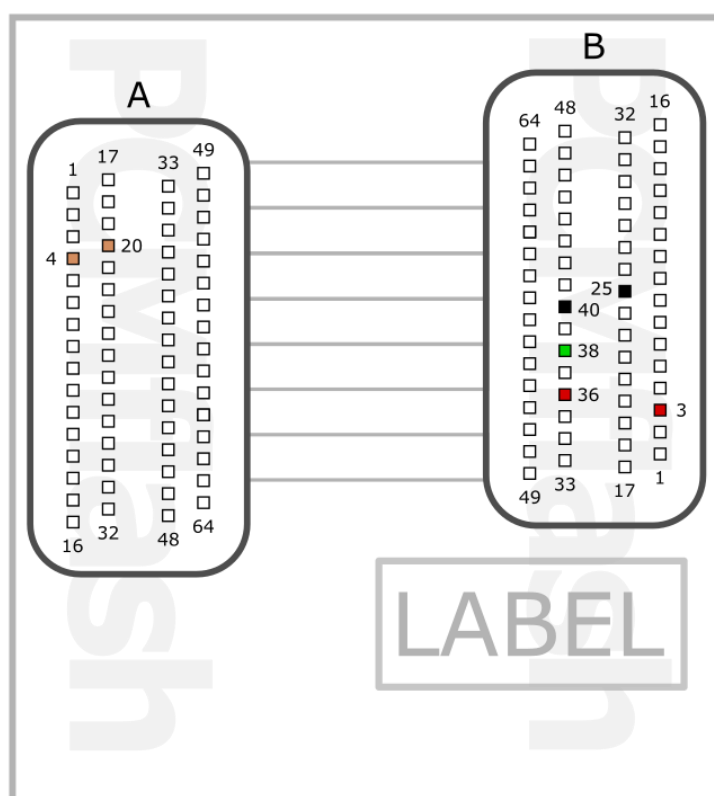
v.1

2021-07-31

PCMflash

Engine Control Unit

ME9.6



+12V	B: 3, 36	GPT*	A: 4, 20
GND	B: 25, 40	K-LINE*	B: 38

* Enable "Reduced transfer rate" option in the PCMflash settings /
 * В Настройках программы необходимо включить "Уменьшить скорость обменов"

CADILLAC

SAAB

pcmflash.ru

v.1

2022-07-09

Engine Control Unit

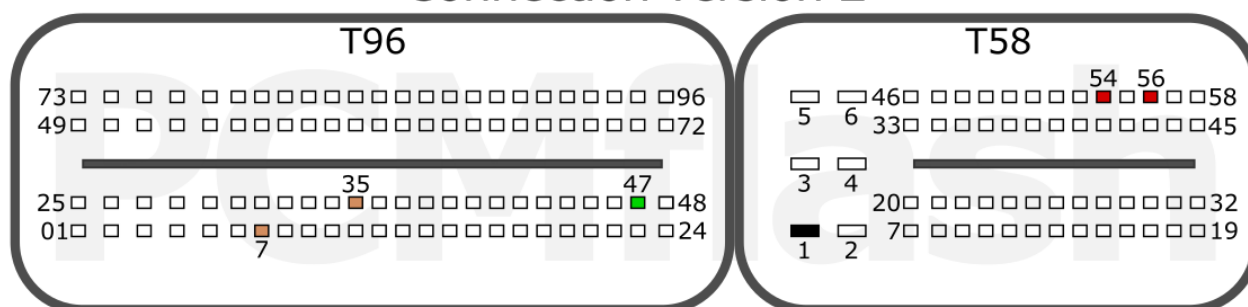
MED9.6/ME(D)9.6.1

Connection version 1



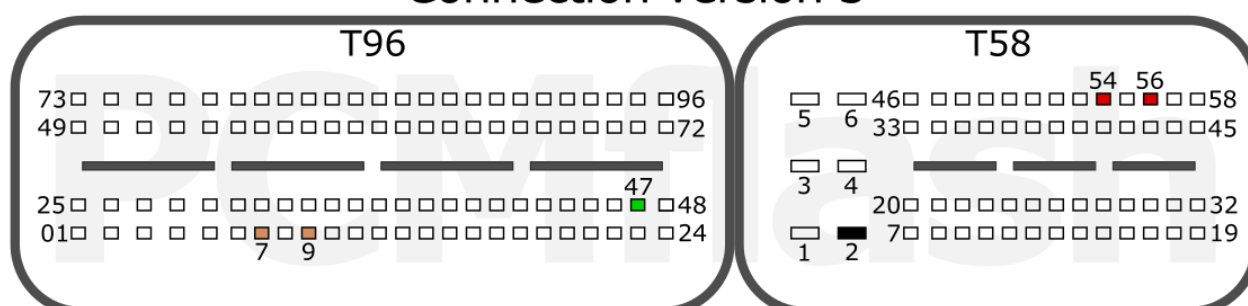
+12V	T58: 54, 56	GPT	T96: 7, 30
GND	T58: 1	K-LINE	T96: 47

Connection version 2



+12V	T58: 54, 56	GPT	T96: 7, 35
GND	T58: 1	K-LINE	T96: 47

Connection version 3



+12V	T58: 54, 56	GPT	T96: 7, 9
GND	T58: 2	K-LINE	T96: 47

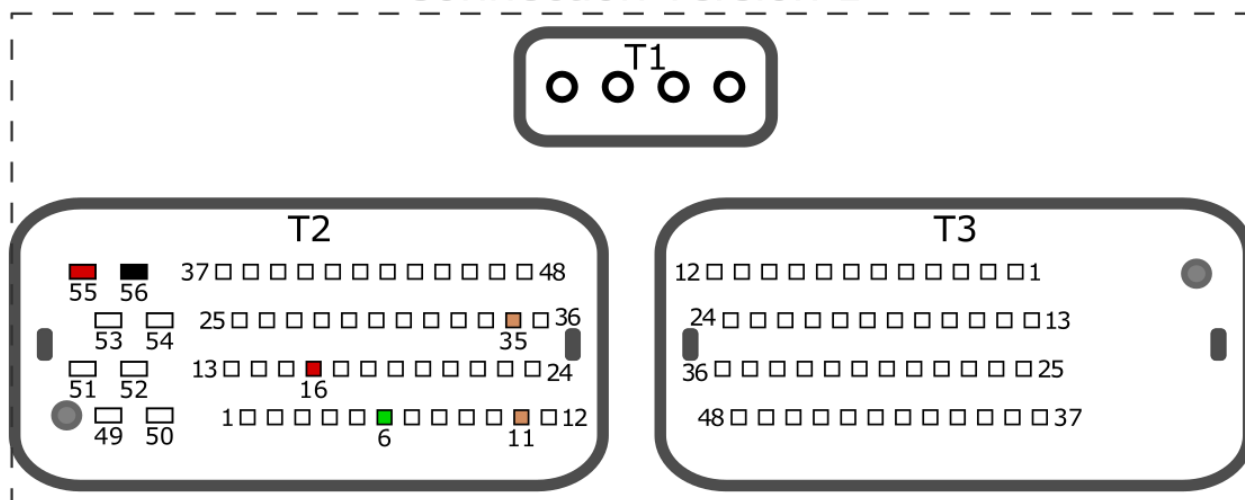
GM

PCMflash

Electronic Control Unit

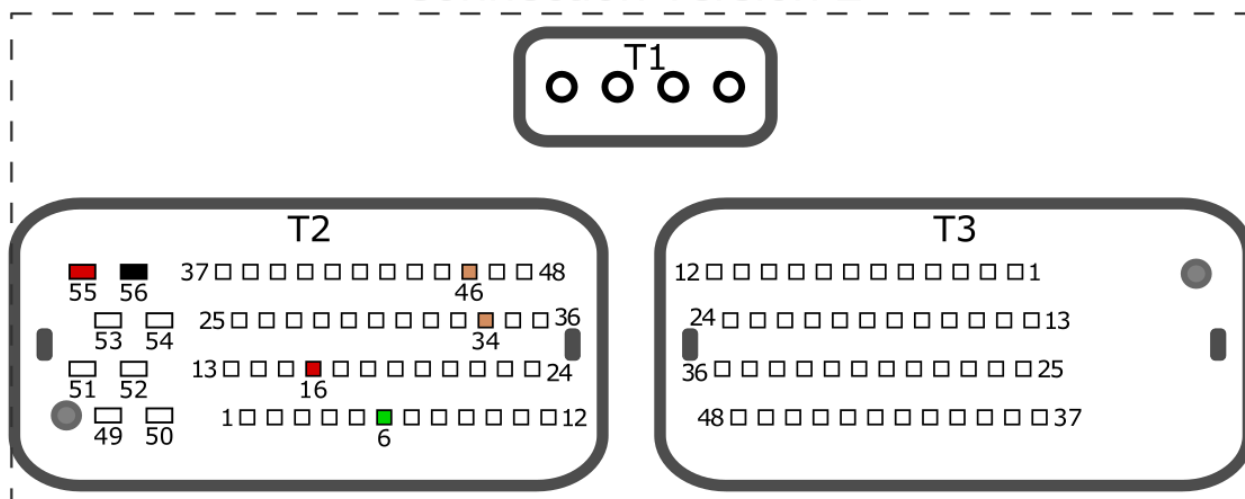
PSG16

Connection version 1



+12V	T2: 55, 16	GPT	T2: 11, 35
GND	T2: 56	K-LINE	T2: 6

Connection version 2



+12V	T2: 55, 16	GPT	T2: 46, 34
GND	T2: 56	K-LINE	T2: 6

OPEL

pcmflash.ru

v.1

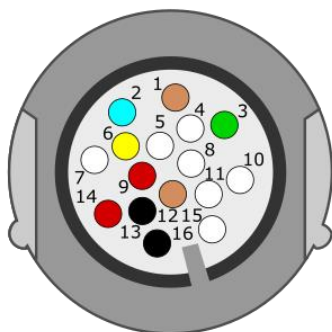
2021-08-09

PCMflash

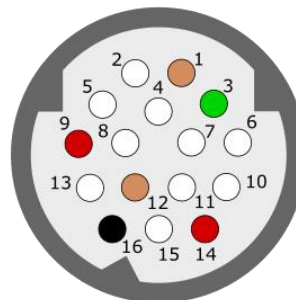
Transmission Control Unit

6HPxx Bosch TCU

Connection version 1



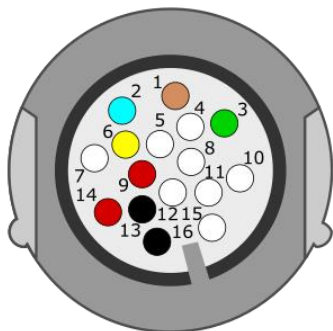
Type 1/Тип 1



Type /Тип 2

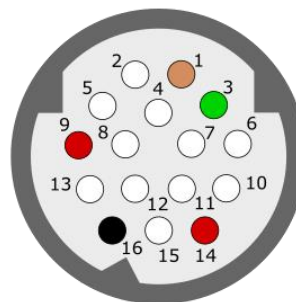
+12V	9, 14	GPT	1, 12
GND	13, 16	K-LINE	3
CAN-L	2 (Not used)	CAN-H	6 (Not used)

Connection version 2



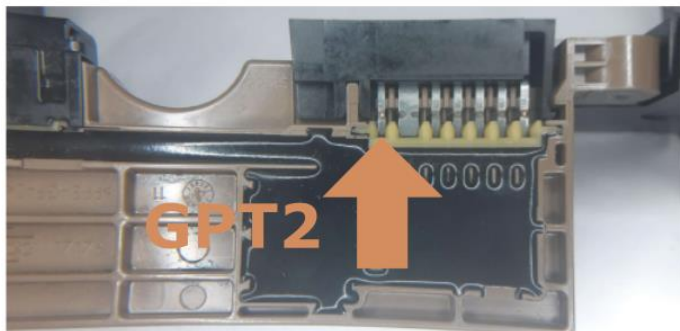
Type 1/Тип 1

GPT2
see below



Type 2/Тип 2

Position switch/Позиционер



Remove cap/Снять крышку



BMW

JLR

VAG

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v.1

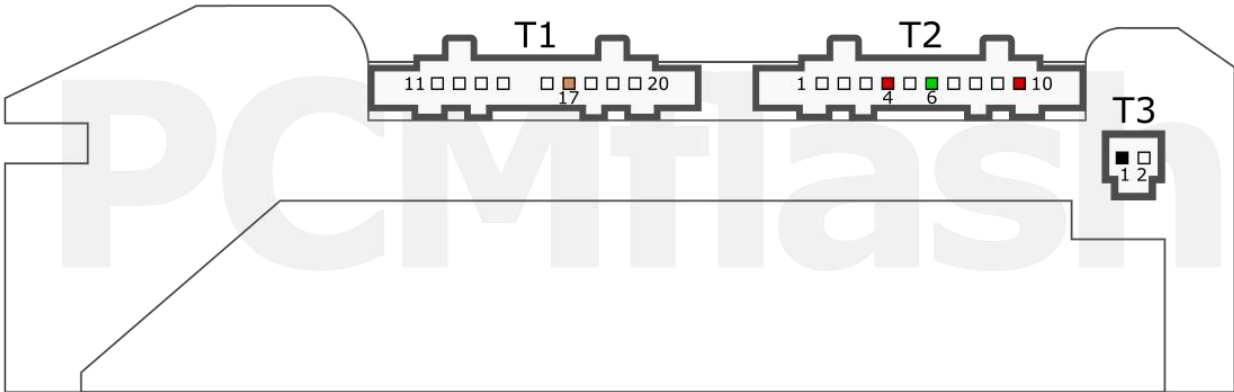
2021-11-24

PCMflash

Transmission Control Unit

RE5R05A TCU

Front side/Передняя сторона



+12V	T2:4, 10	GPT	T1:17, back side
GND	T3:1	K-LINE	T2:6

Back side/Задняя сторона



See the next page/Смотри следующую страницу

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v.2

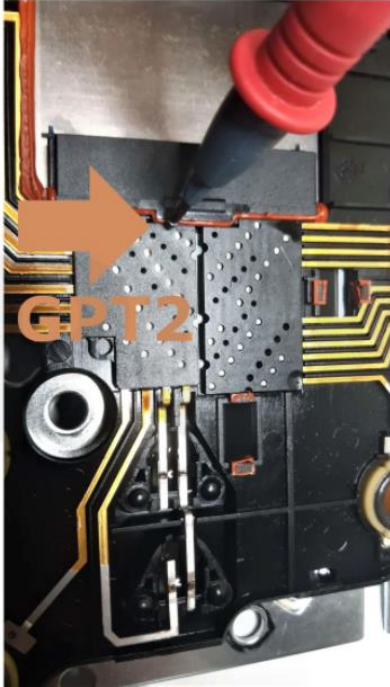
2021-12-06

PCMflash

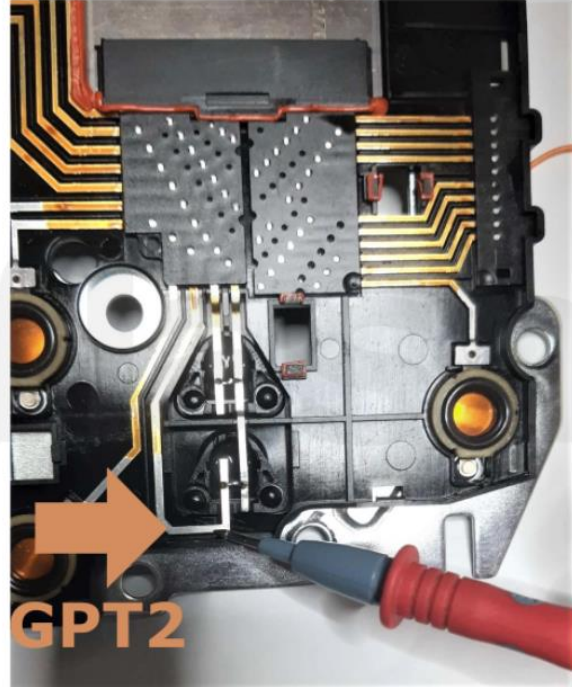
Transmission Control Unit

RE5R05A TCU

With the lid open/С открытой крышкой



Option 1/Вариант 1

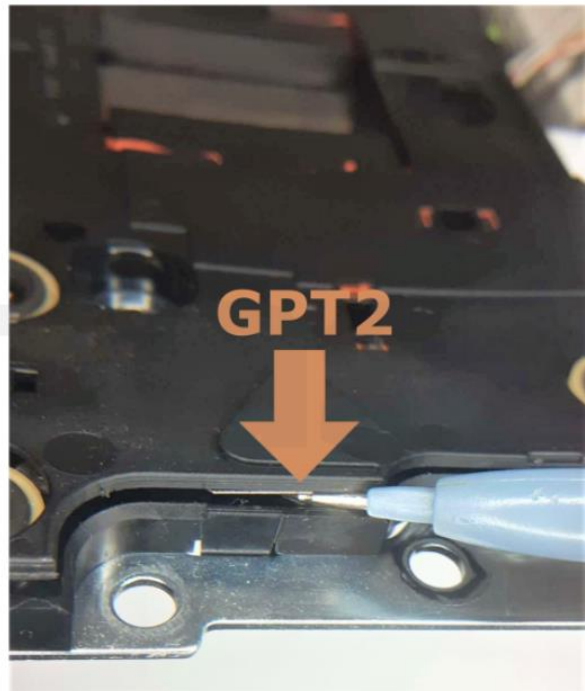


Option 2/Вариант 2

Without opening the lid/Без открытия крышки



Option 1/Вариант 1 (The best/ Лучший)



Option 2/Вариант 2

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v.2

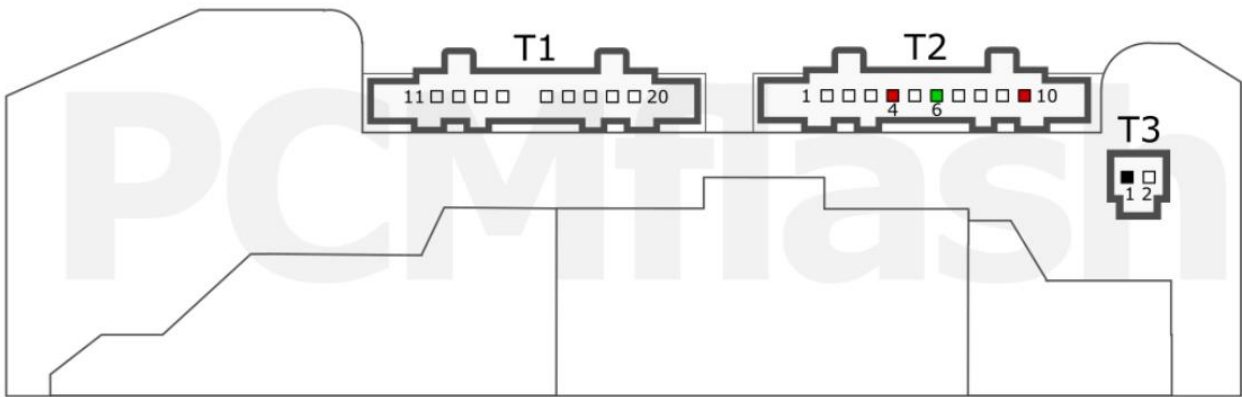
2021-12-06

PCMflash

Transmission Control Unit

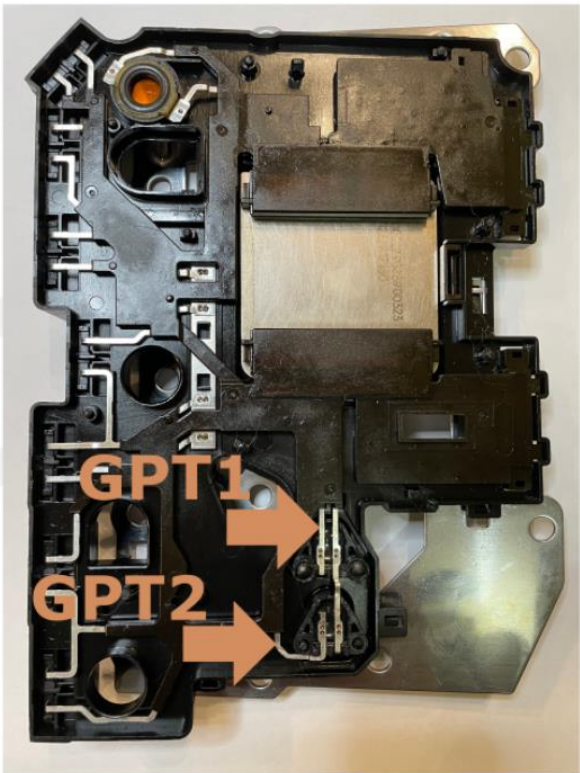
RE5R05A 0260550023 TCU

Front side/Передняя сторона



+12V	T2:4, 10	GPT	Back side
GND	T3:1	K-LINE	T2:6

Back side/Задняя сторона



With the lid open/С открытой крышкой

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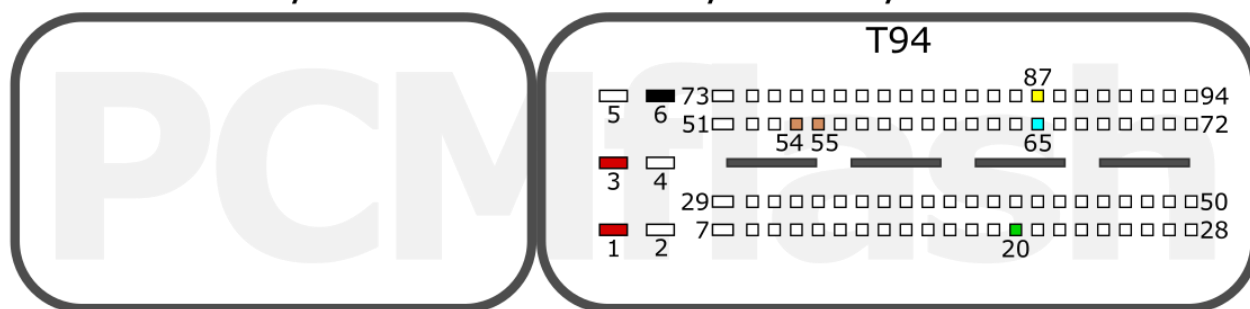
2021-12-08

PCMflash

Transmission Control Unit

TC14 TCU

KIA/HYUNDAI A5SR1/A5SR2/A6GF1



+12V	T94: 1, 3	GPT	T94: 54, 55
GND	T94: 6	K-LINE	T94: 20
CAN-L	T94: 65 (Not used)	CAN-H	T94: 87 (Not used)

KIA/HYUNDAI

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v.1

2021-11-22