

# PCMflash module 31

Mitsubishi K-Line/Bootloader

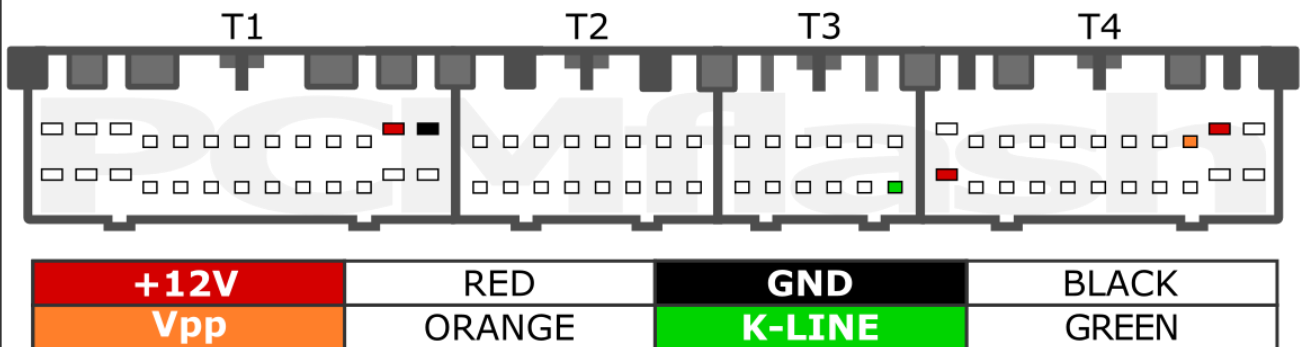
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# PCMflash

Engine Control Unit

MH7203FA/MH8206F



KIA/HYUNDAI (1999-2005)

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v.1

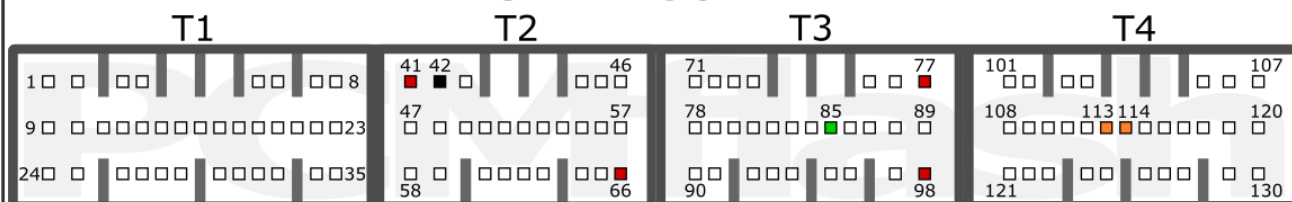
2022-01-14

# PCMflash

Engine Control Unit + Transmission Control Unit

## MH7202A + MH7202A

### HYUNDAI SONATA II



<b>+12V</b>	T2: 41, 66; T3: 77, 98	<b>GND</b>	T2: 42
<b>Vpp</b>	T4: 113, 114	<b>K-LINE</b>	T3: 85

HYUNDAI SONATA II (2000-2003)

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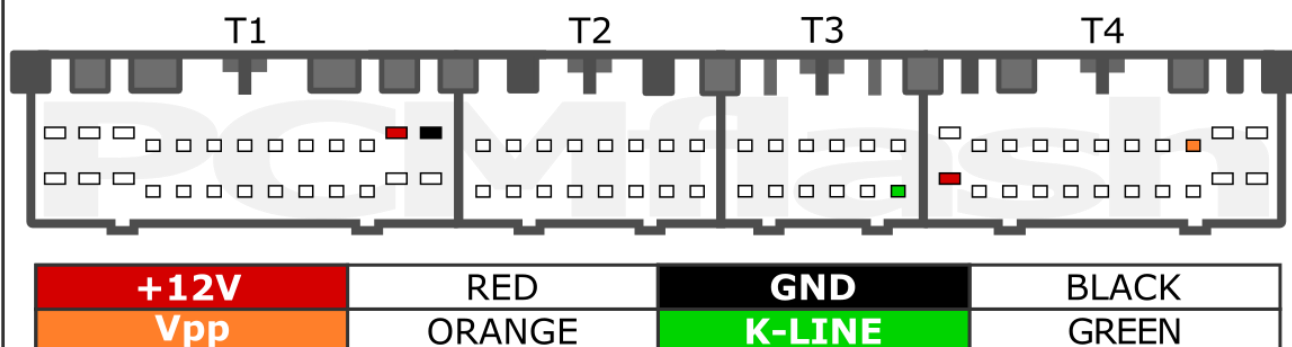
v.1

2022-01-14

# PCMflash

Engine Control Unit

MH7201F/MH7202F/MH7203FA



MITSUBISHI

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v.1

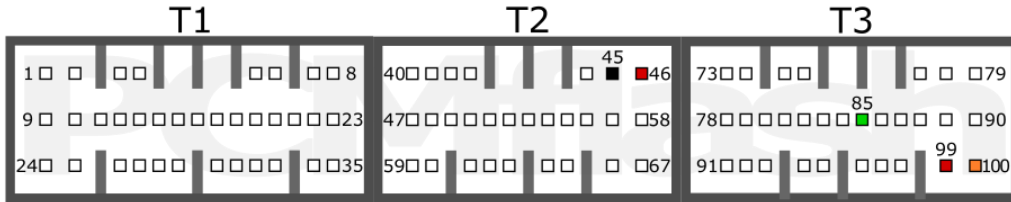
2023-02-18

# PCMflash

Engine Control Unit

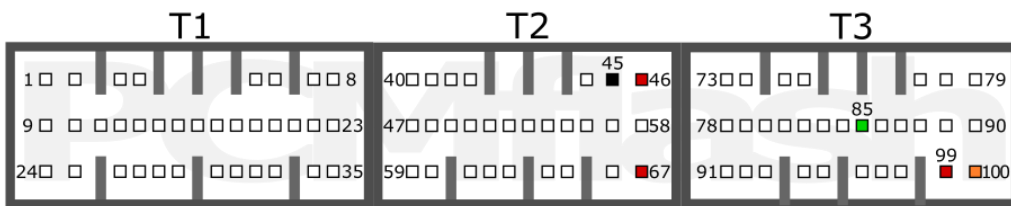
## MH8201F

### CARISMA, PAJERO PININ MT (GDI)



<b>+12V</b>	T2: 46; T3: 99	<b>GND</b>	T2: 45
<b>Vpp</b>	T3: 100	<b>K-LINE</b>	T3: 85

### LANCER EVO IX



<b>+12V</b>	T2: 46, 67; T3: 99	<b>GND</b>	T2: 45
<b>Vpp</b>	T3: 100	<b>K-LINE</b>	T3: 85

CARISMA

LANCER EVO IX

PAJERO PININ MT (GDI)

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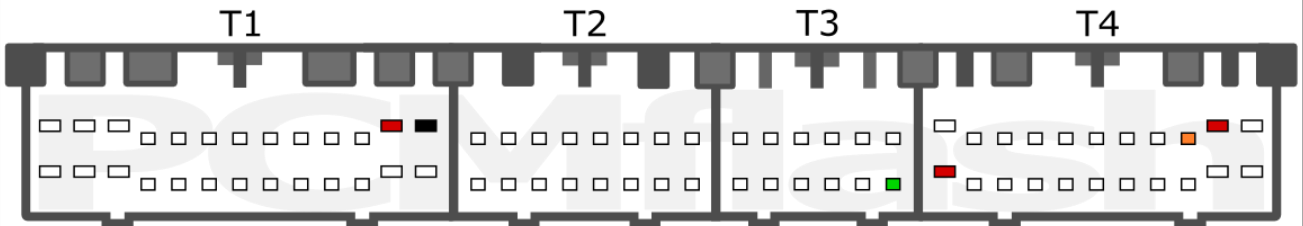
v.1

2021-12-26

# PCMflash

Engine Control Unit

## MH8206F



<b>+12V</b>	RED	<b>GND</b>	BLACK
<b>Vpp</b>	ORANGE	<b>K-LINE</b>	GREEN

LANCER EVO V, EVO VI, EVO VII, EVO VIII, LANCER IX | PAJERO 2.5-3.2, TR4

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v.1

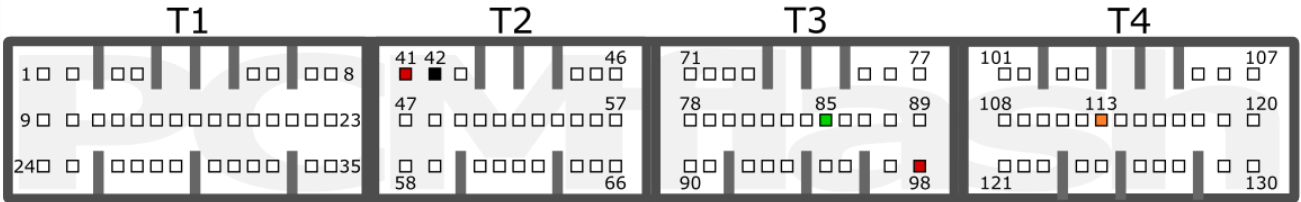
2021-12-26

# PCMflash

Engine Control Unit

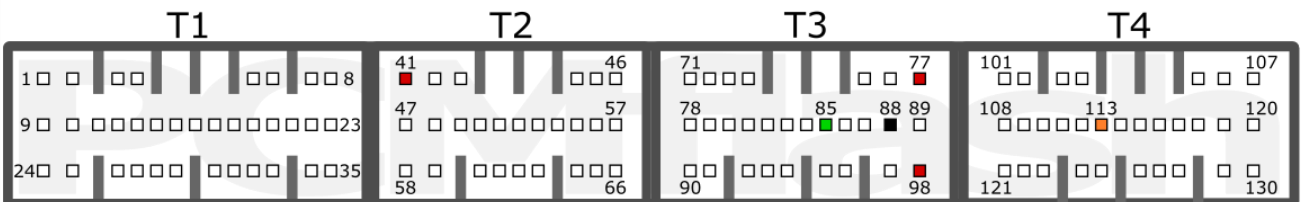
## MH8302F

### CARISMA, LANCER 2.0 NA, OUTLANDER I



<b>+12V</b>	T2: 41; T3: 98	<b>GND</b>	T2: 42
<b>Vpp</b>	T4: 113	<b>K-LINE</b>	T3: 85

### PAJERO 3.0-3.8L



<b>+12V</b>	T2: 41; T3: 77, 98	<b>GND</b>	T3: 88
<b>Vpp</b>	T4: 113	<b>K-LINE</b>	T3: 85

CARISMA

LANCER 2.0 NA

OUTLANDER I

PAJERO 3.0-3.8L

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v.1

2022-01-18

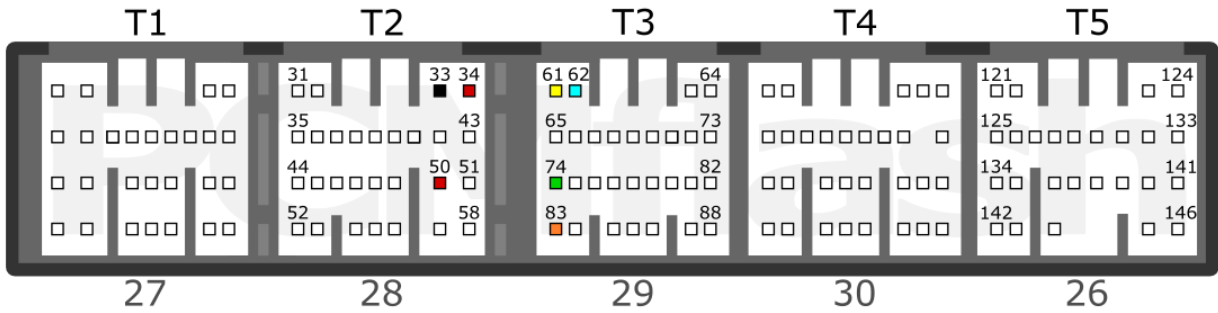


# PCMflash

Engine Control Unit

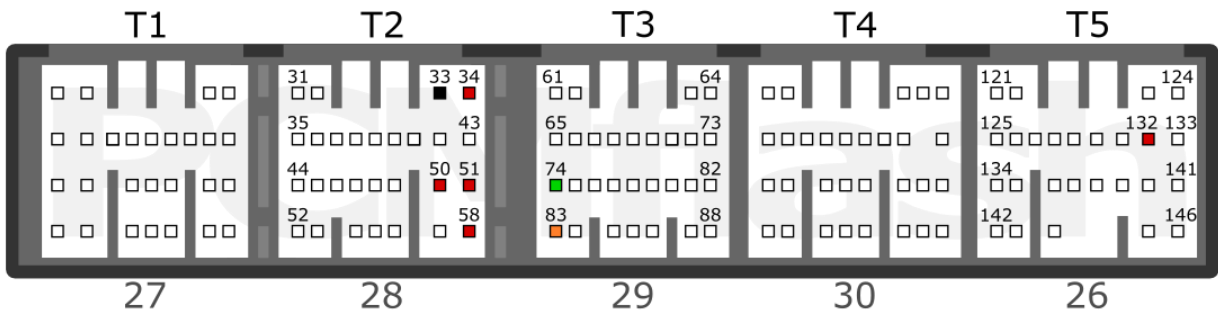
## MH8304

OUTLANDER 4G69 MIVEC 2003-2007, PAJERO V8(V9) 2007-2008



<b>+12V</b>	T2: 34, 50	<b>GND</b>	T2: 33
<b>Vpp</b>	T3: 83	<b>K-LINE</b>	T3: 74
<b>CAN-L</b>	T3: 62 (Not used)	<b>CAN-H</b>	T3: 61 (Not used)

### GRANDIS 2.4L



<b>+12V</b>	T2: 34, 50, 51, 58; T5: 132	<b>GND</b>	T2: 33
<b>Vpp</b>	T3: 83	<b>K-LINE</b>	T3: 74

GRANDIS 2.4L

OUTLANDER 4G69 MIVEC 2003-2007

PAJERO V8(V9) 2007-2008

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v.1

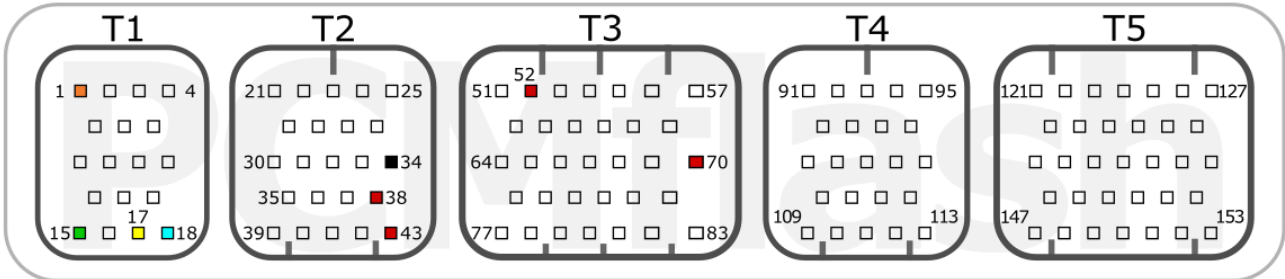
2022-01-18

# PCMflash

Engine Control Unit

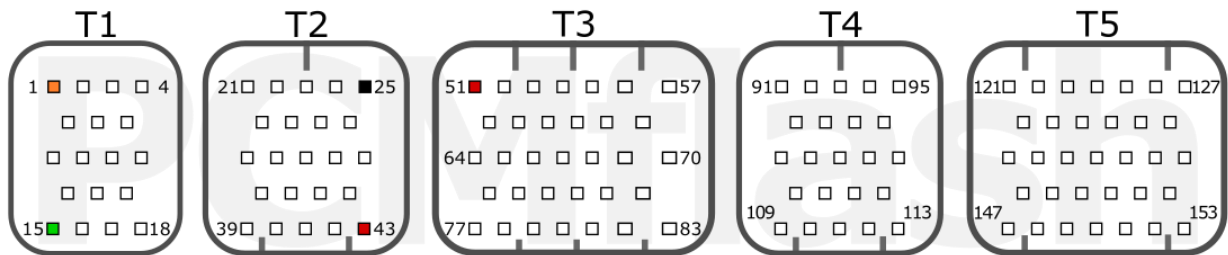
## MH8302F

### COLT (2003)



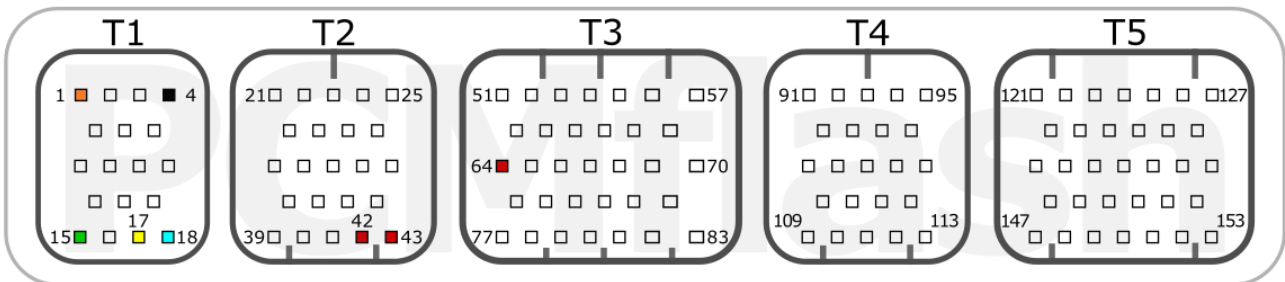
<b>+12V</b>	T2: 38, 43; T3: 52, 70	<b>GND</b>	T2: 34
<b>Vpp</b>	T1: 1	<b>K-LINE</b>	T1: 15
<b>CAN-L</b>	T1: 18 (Not used)	<b>CAN-H</b>	T1: 17 (Not used)

### ECLIPSE 3.8



<b>+12V</b>	T2: 43; T3: 51	<b>GND</b>	T2: 25
<b>Vpp</b>	T2: 25	<b>K-LINE</b>	T1: 15

### GALANT



<b>+12V</b>	T2: 42, 43; T3: 64	<b>GND</b>	T1: 4
<b>Vpp</b>	T1: 1	<b>K-LINE</b>	T1: 15
<b>CAN-L</b>	T1: 18 (Not used)	<b>CAN-H</b>	T1: 17 (Not used)

COLT (2003)

ECLIPSE 3.8

GALANT

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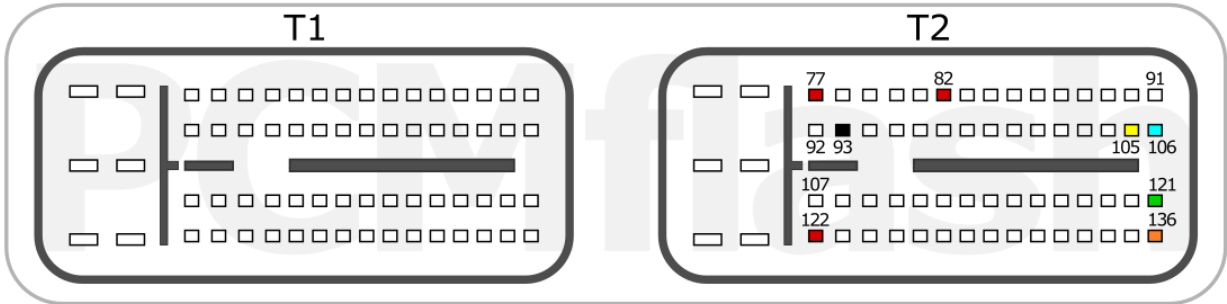
v.1

2022-01-17

# PCMflash

Engine Control Unit

## MH8304F



<b>+12V</b>	T2: 77, 82, 122	<b>GND</b>	T2: 93
<b>Vpp</b>	T2: 136	<b>K-LINE</b>	T2: 121
<b>CAN-L</b>	T2:106 (Not used)	<b>CAN-H</b>	T2:105 (Not used)

COLT Z3X (2004-2011)

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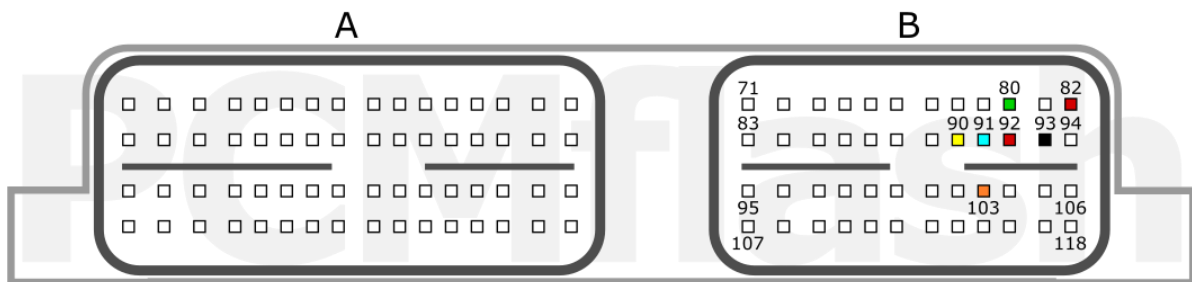
v.1

2021-12-26

# PCMflash

Engine Control Unit

MH8104F/8106F/8115F



<b>+12V</b>	B: 82, 92	<b>GND</b>	B: 93
<b>Vpp</b>	B: 103	<b>K-LINE</b>	B: 80
<b>CAN-L</b>	B:91 (Not used)	<b>CAN-H</b>	B:90 (Not used)

ASX	LANCER X (EVO X)	OUTLANDER 2.4-3.0	
pcmflash.ru		v.1	2021-12-26

# PCMflash

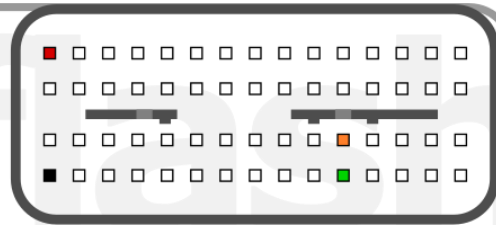
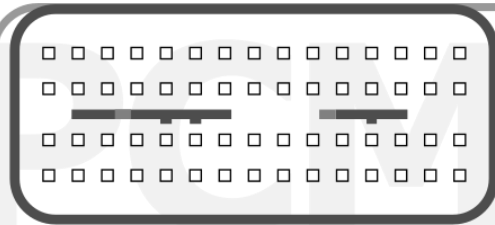
Engine Control Unit

## MH8106F/MH8110F

### Connection version 1

A

B

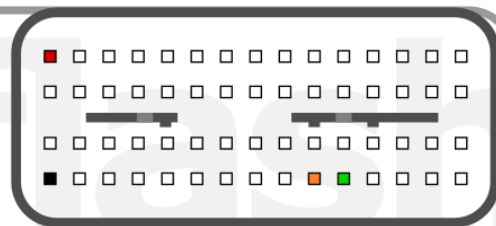
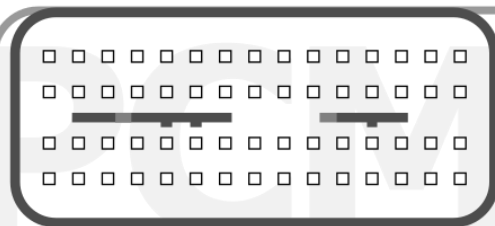


<b>+12V</b>	B: RED	<b>GND</b>	B: BLACK
<b>Vpp</b>	B: ORANGE	<b>K-LINE</b>	B: GREEN

### Connection version 2

A

B

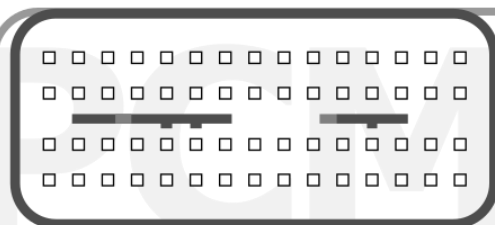


<b>+12V</b>	B: RED	<b>GND</b>	B: BLACK
<b>Vpp</b>	B: ORANGE	<b>K-LINE</b>	B: GREEN

### Connection version 3

A

B



<b>+12V</b>	B: RED	<b>GND</b>	B: BLACK
<b>Vpp</b>	B: ORANGE	<b>K-LINE</b>	B: GREEN

MAZDA 3/5/6/CX-7 Gen2

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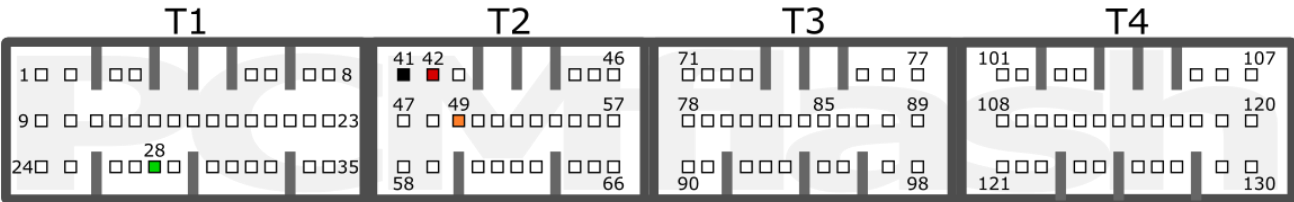
v.1

2022-04-04

# PCMflash

Engine Control Unit

## EJ204



<b>+12V</b>	T2: 42	<b>GND</b>	T2: 41
<b>Vpp</b>	T2: 49	<b>K-LINE</b>	T1: 28

SUBARU LEGACY (JDM)

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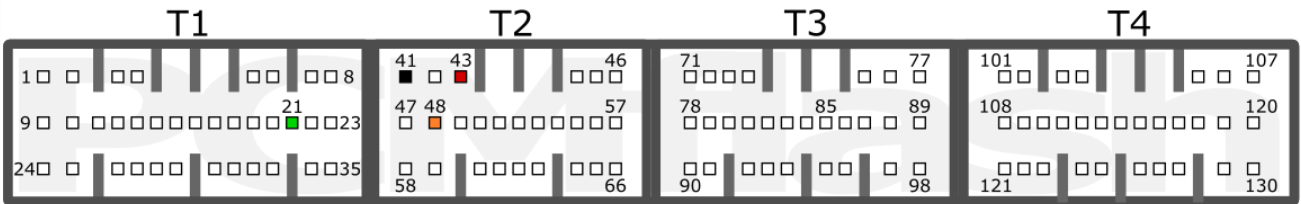
v.1

2021-12-26

# PCMflash

Engine Control Unit

## MH7203F



<b>+12V</b>	T2: 43	<b>GND</b>	T2: 41
<b>Vpp</b>	T2: 48	<b>K-LINE</b>	T1: 21

SUZUKI GRAND VITARA MT 2004

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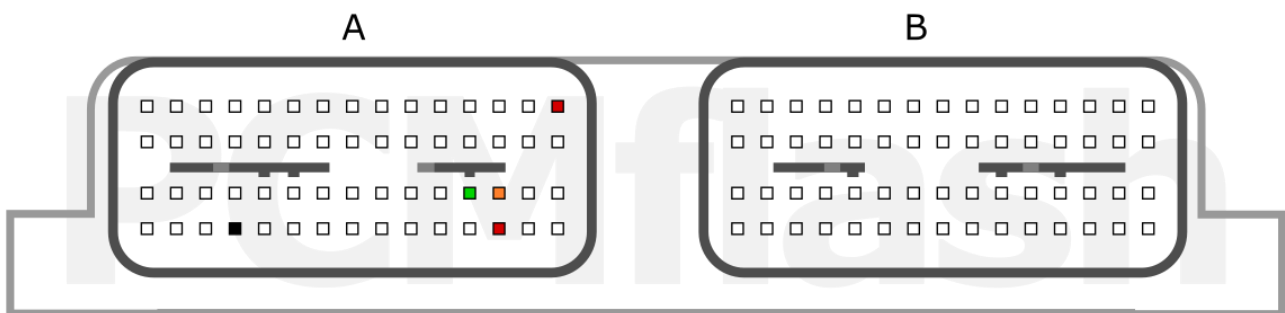
v.1

2021-12-26

# PCMflash

Engine Control Unit

## MH8102F



<b>+12V</b>	B: RED	<b>GND</b>	B: BLACK
<b>Vpp</b>	B: ORANGE	<b>K-LINE</b>	B: GREEN

SUZUKI

pcmflash.ru

v.1

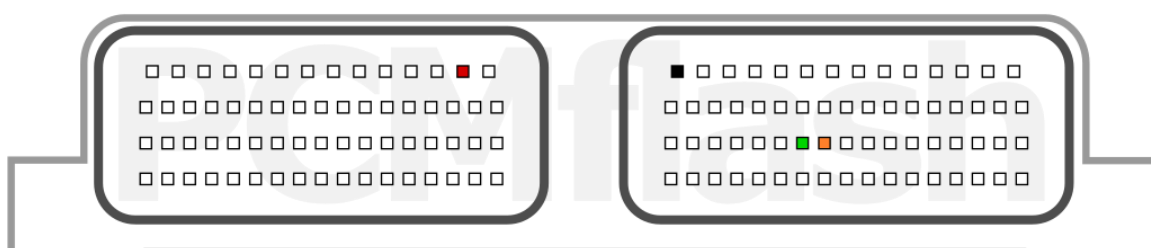
2023-02-18



# PCMflash

Engine Control Unit

## MH8115F



<b>+12V</b>	RED	<b>GND</b>	BLACK
<b>Vpp</b>	ORANGE	<b>K-LINE</b>	GREEN

SUZUKI

pcmflash.ru

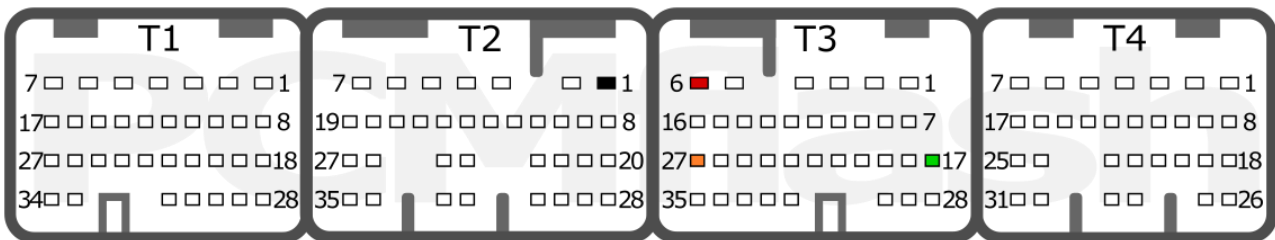
v.1

2023-02-18

# PCMflash

Engine Control Unit

## MH8305F



<b>+12V</b>	T3: 6	<b>GND</b>	T2: 1
<b>Vpp</b>	T3: 27	<b>K-LINE</b>	T3: 17

SUZUKI GRAND VITARA

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v.1

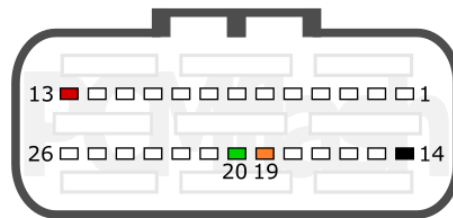
2021-12-26

# PCMflash

Engine Control Unit

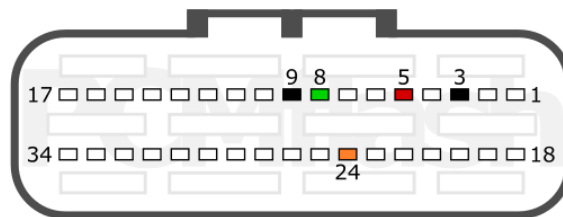
## MH8xxx

### TYPE 1



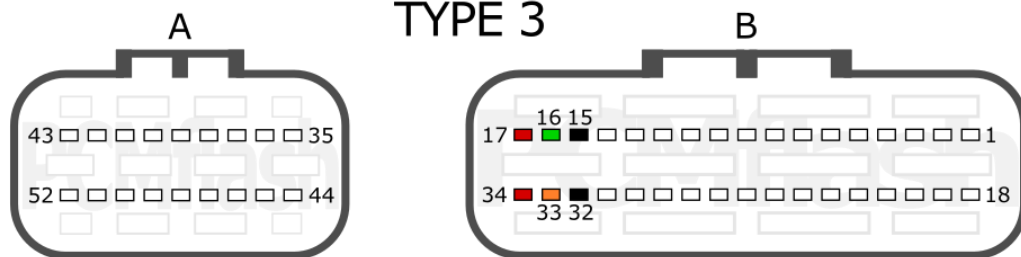
<b>+12V</b>	13	<b>GND</b>	14
<b>Vpp</b>	19	<b>K-LINE</b>	20

### TYPE 2



<b>+12V</b>	5	<b>GND</b>	3, 9
<b>Vpp</b>	24	<b>K-LINE</b>	8

### TYPE 3



<b>+12V</b>	B: 17, 34	<b>GND</b>	B: 15, 32
<b>Vpp</b>	B: 33	<b>K-LINE</b>	B: 16

SUZUKI BOAT

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v.1

2023-02-20