VVDI KEY TOOL

REMOTE UNLOCK
WIRING DIAGRAM

Version number v1.02   2017.7.17

Keytool wiring function definition


Black GND
Brown SDA
Red VCC
Yellow SCL

NXP transponder pin definition

Transponder type	▪ GND	▪ SDA	▪ VCC	▪ SCL
PCF7941	19	11	4	10
PCF7961	19	9	4	8
PCF7952	11	22	8	21
PCF7945	13	26	10	25
PCF7953	13	26	10	25

Audi Universal type

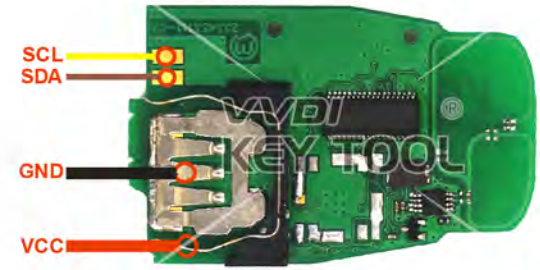| Key Information	Key Adapter	Chip Number	Note
PCB1 8T0959754 433 Remote	[5 AUDI]	7945	PCB No.233.423.111–02
PCB1 8T0959754A 315 Remote	[5 AUDI]	7945	PCB No.233.423.111–02
PCB1 8T0959754D 868 Remote	[5 AUDI]	7945	PCB No.233.423.111–02
PCB1 8T0959754F 433 Smartkey	[5 AUDI]	7945	PCB No.233.423.111–02
PCB2 8T0959754 433 Remote	[5 AUDI]	7945	PCB No.233.453.111–05/06
PCB2 8T0959754D 868 Remote	[5 AUDI]	7945	PCB No.233.453.111–05/07
PCB2 8T0959754F 433 Smartkey	[5 AUDI]	7945	PCB No.233.453.111–05/08
PCB2 8T0959754G 315 Smartkey	[5 AUDI]	7945	PCB No.233.453.111–05/09

* Universal type supports any 5th generation key, please use universal type to test if selected data can not work

SCL
SDA

GND

VCC
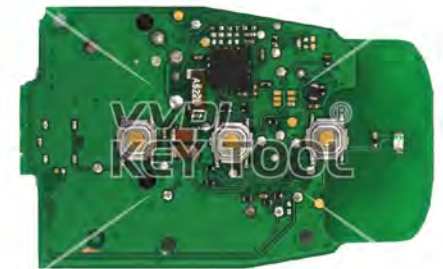
Audi Universal type

Key Information	Key Adapter	Chip Number	Note
PCB2 4H0959754G 315 Smartkey	[5 AUDI]	7945	PCB No.233.453.111–05/10
PCB2 4H0959754K 868 Smartkey	[5 AUDI]	7945	PCB No.233.453.111–05/11
PCB2 4G0959754G 315 Smartkey	[5 AUDI]	7945	PCB No.233.453.111–05/12
PCB2 4G0959754K 868 Smartkey	[5 AUDI]	7945	PCB No.233.453.111–05/13
PCB3 4H0959754DA 433 Smartkey	[5 AUDI]	7945	PCB No.233.453.211–01/02
PCB3 4H0959754DB 315 Smartkey	[5 AUDI]	7945	PCB No.233.453.211–01/02
PCB3 4H0959754DD 868 Smartkey	[5 AUDI]	7945	PCB No.233.453.211–01/02

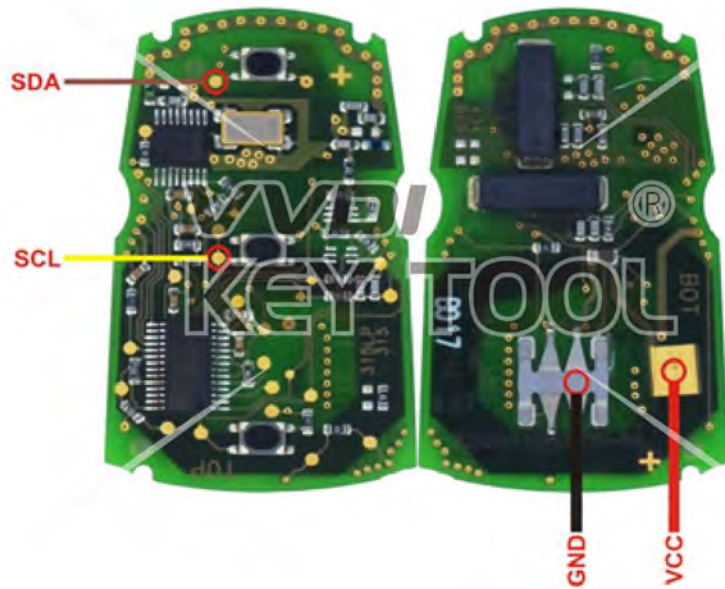* Universal type supports any 5th generation keys, please use universal type to test if selected data can not work

SCL
SDA
GND
VCC

BMW CAS3 Remote

SDA
SCL
GND
VCC
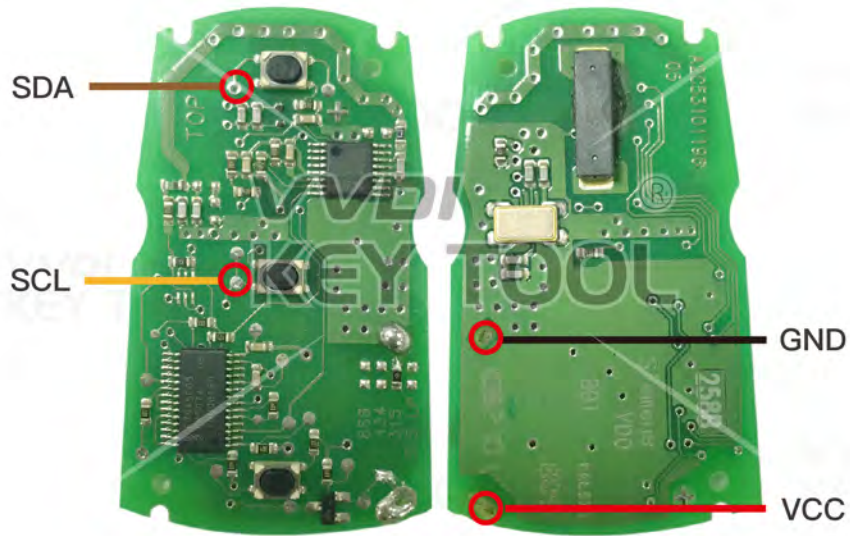
Key Information	Key Adapter	Chip Number
5WK49125 E Series 868MHz Remote	[8 BMW–E]	7945
5WK49127 E Series 315MHz Remote	[8 BMW–E]	7945

BMW CAS3 Smartkey

Key Information	Key Adapter	Chip Number
5WK49145 E Series 868MHz Smartkey	[8 BMW–E]	7953
5WK49147 E Series 315MHz Smartkey	[8 BMW–E]	7953

SDA

SCL

GND

VCC

SDA

VCC

BMW

BMW F series Smart Provided by Continental

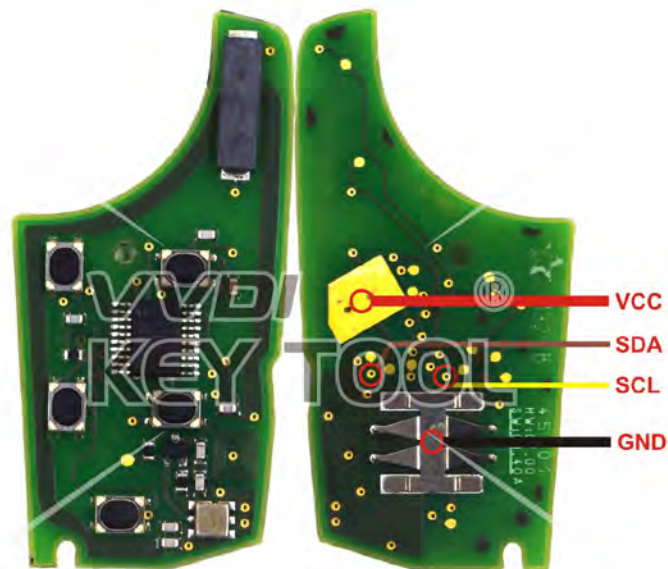| Key Information	Key Adapter	Chip Number
5WK49661 F Series 868MHz Continental		7953
5WK49663 F Series 315MHz Continental		7953
5WK49662 F Series 434MHz Continental		7953

SCL

GND

SDA

SCL

VCC

GND

BMW
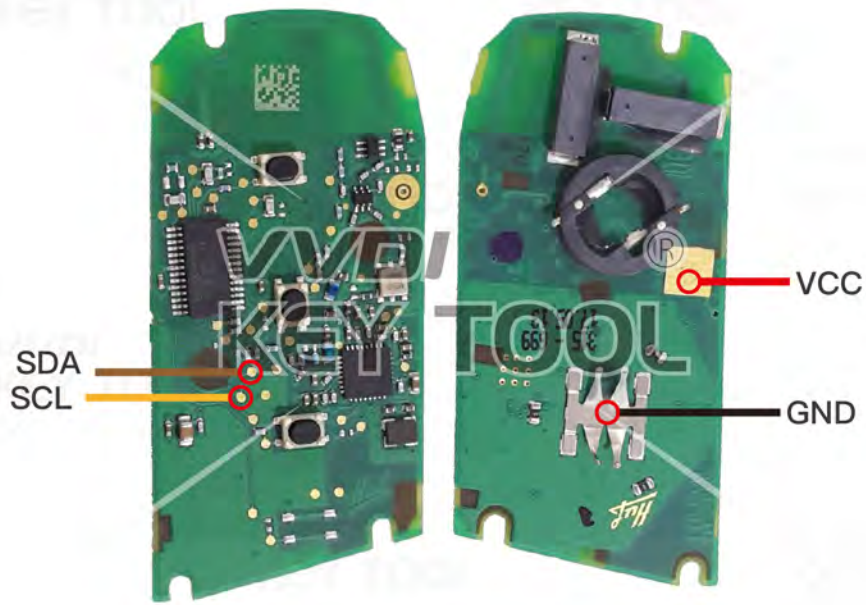
BMW F series Smart Provided by Huf

Key Information	Key Adapter	Chip Number
HUF5661 F Series 868MHz Huf	[7 BMW–F]	7953
HUF5662 F Series 315MHz Huf	[7 BMW–F]	7953
HUF5663 F Series 434MHz Huf	[7 BMW–F]	7953
HUF5667 F Series 434MHz Huf	[7 BMW–F]	7953

Common remote

BUICK/CHEVROLET

Key Information	Key Adapter	Chip Number
Type1 2–button 433MHz		7941
Type2 CorsaD–2–button 433MHz		7941
Type3 2–button 434Mhz		7941
Type3 5–button 315Mhz		7941
Type3 4–button 315Mhz		7941
Type4 2–button 433Mhz F41E30		7941
Type4 3–button 433Mhz F41E30		7941

VCC
SDA
SCL
GND

Smartkey

BUICK/CHEVROLET
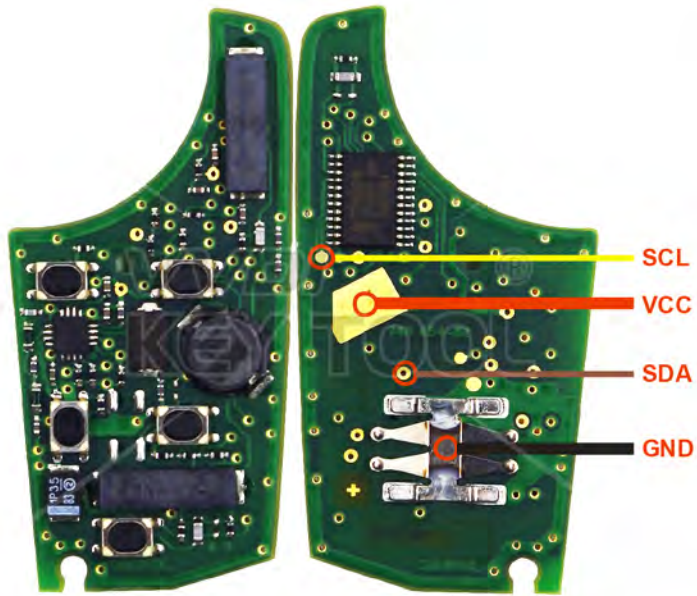
Key Information	Key Adapter	Chip Number
Type5 4–button 315Mhz F7952E	[9 BUIC]	7952
Type5 5–button 315Mhz F7952E	[9 BUIC]	7952
Type5 5–button 433Mhz F7952E	[9 BUIC]	7952
Type5 4–button 433Mhz F7952E	[9 BUIC]	7952
Type5 3–button 433Mhz F7952E	[9 BUIC]	7952

SCL

VCC

SDA

GND

OHT692713AA

Chrysler/JEEP/Dodge

Key Information	Key Adapter	Chip Number
OHT692427AA(2005)		7941
OHT692713AA		7941

Support vehicle models

2004–2007 Chrysler Town&Country   2004–2007 Dodge Caravan

2004–2007 Dodge Grand Caravan

SCL

SDA

VCC

GND
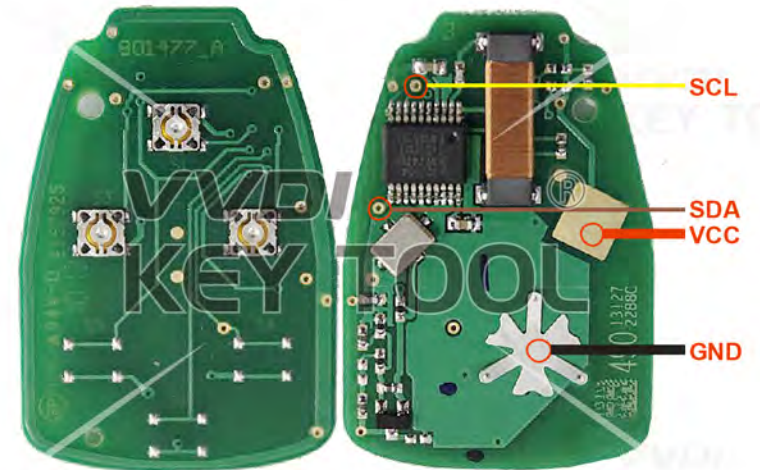
KOBOT04A

Chrysler/JEEP/Dodge

Key Information	Key Adapter	Chip Number
KOBOT04A		7961

Support vehicle models

2007—2009 Chrysler Aspen	2005—2007 Chrysler 300
2005—2007 Dodge Durango	2007—2011 Dodge Dakota
2007—2009 Dodge Ram	2007—2013 Dodge Avenger
2005—2007 Dodge Charger	2007—2012 Dodge Caliber
2005—2007 Jeep Commander	2005—2007 Jeep Grand Cherokee

SDA

SCL

VCC
GND
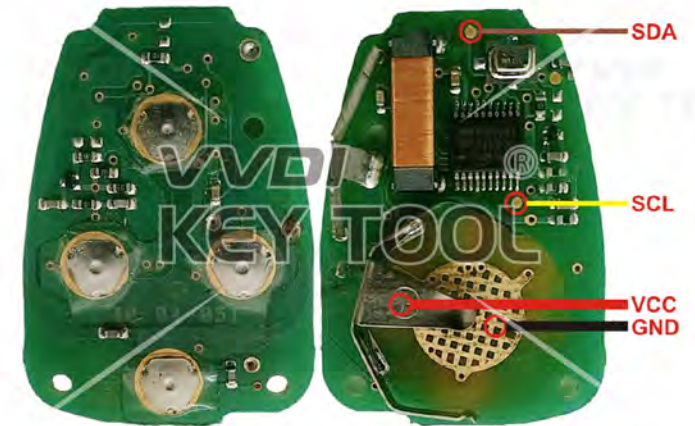
IYZ–C01C   M3N5W783X

Chrysler/JEEP/Dodge

Key Information	Key Adapter	Chip Number
IYZ–C01C M3N5W783X		7961

Support vehicle models

2008–2011 Chrysler 300
2010–2013 Dodge Caravan
2008–2013 Dodge Challenger
2008–2012 Dodge Grand Caravan
2008– Dodge Magnum
2008–2010 Jeep Commander

2008–2013 Chrysler Town&Country
2008–2013 Dodge Charger
2011–2013 Dodge Durango
2008–2011 Dodge Journey
2009–2013 Dodge RAM
2011–2013 Jeep Grand Cherokee

Chip silkprint: 567.738.031

SCL
SDA
GND
VCC

IYZ–C01C Smartkey

Chrysler/JEEP/Dodge

Key Information	Key Adapter	Chip Number
IYZ–C01C Smartkey		7945

Support vehicle models

2008–2011 Chrysler 300
2010–2013 Dodge Caravan
2008–2013 Dodge Challenger
2008–2012 Dodge Grand Caravan
2008– Dodge Magnum
2008–2010 Jeep Commander

2008–2013 Chrysler Town&Country
2008–2013 Dodge Charger
2011–2013 Dodge Durango
2008–2011 Dodge Journey
2009–2013 Dodge RAM
2011–2013 Jeep Grand Cherokee

Chip silkprint：567.737.061

SCL
SDA

GND
VCC

PANIC
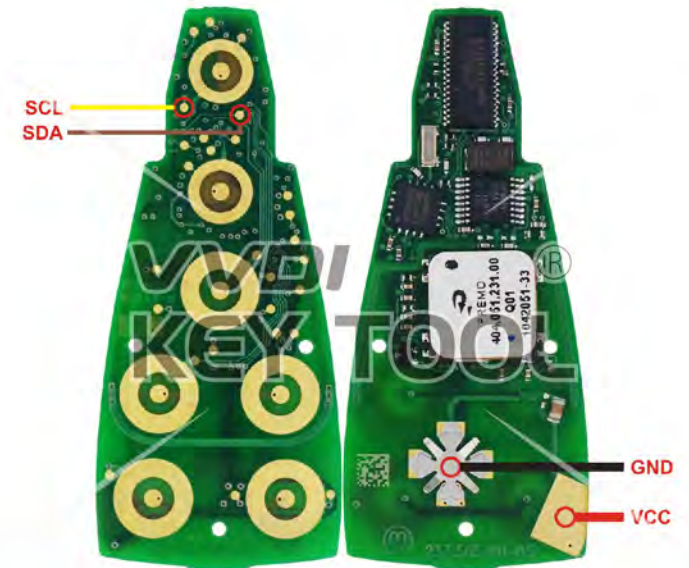
GQ4-53T

Chrysler/JEEP/Dodge

Key Information	Key Adapter	Chip Number	Note
GQ4-53T Hitag2		7961	Chip silkprint:61c700

SCL
SDA

GND
VCC
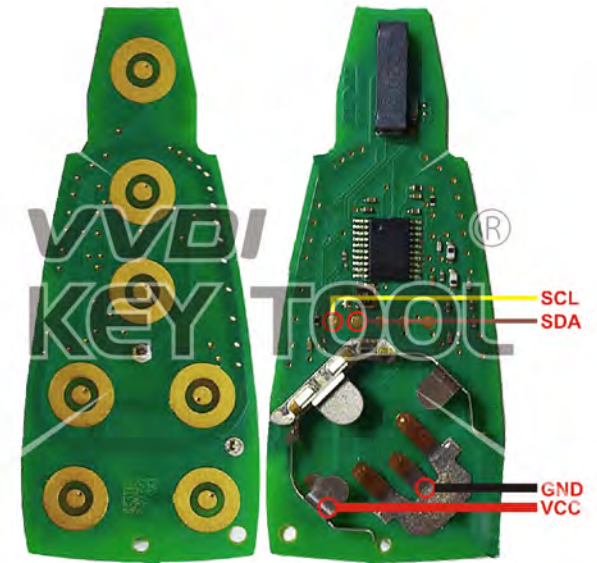
M3M

Chrysler/JEEP/Dodge

Key Information	Key Adapter	Chip Number	Note
M3M	[1 MAST]	7953	Chip silkprint:F7953MC

VCC
SCL
SDA
GND

VCC

GND SDA SCL
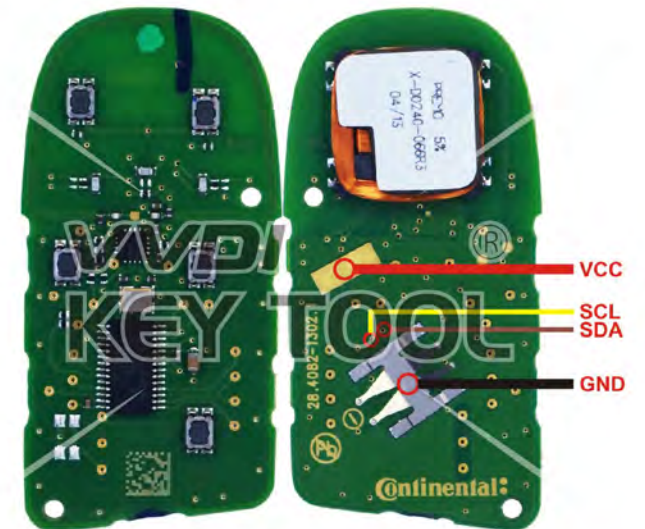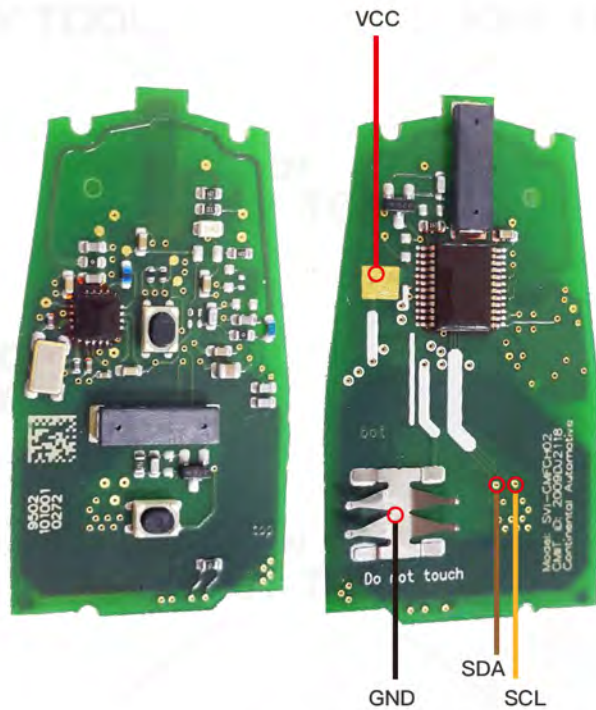
Hyundai/KIA SVI–CMFCH02

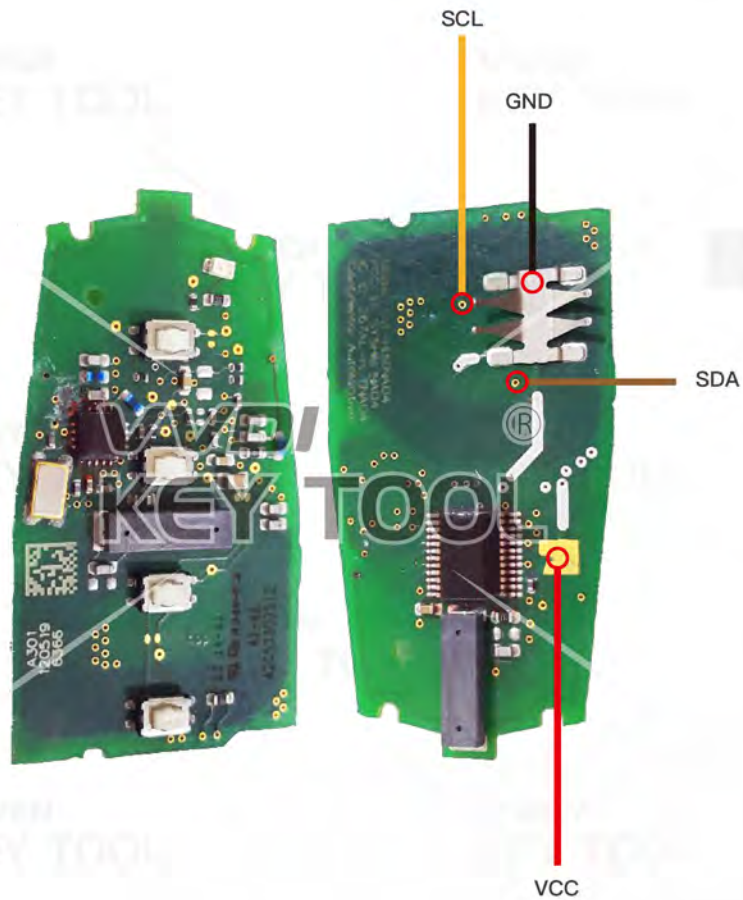| Key Information	Key Adapter	Chip Number	Note
SVI–CMFCH02	[11 HYUD–1]	7952	After 2009 Most Hyundai/Kia 2–button Smartkey Chip silkprint:049620C03

Hyundai/KIA SVI-CMFEU03
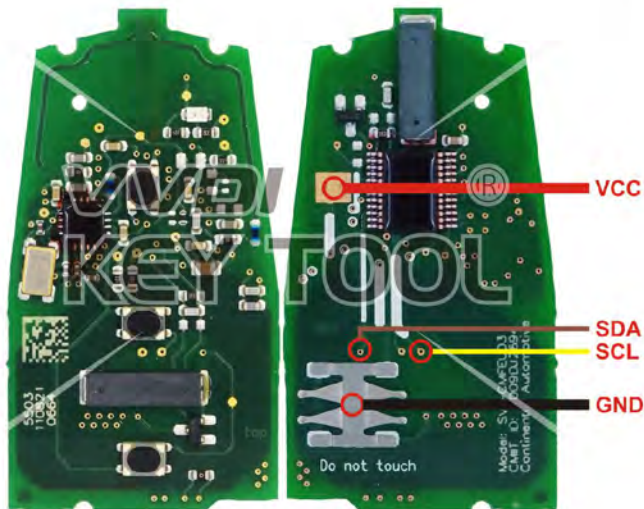
Key Information	Key Adapter	Chip Number	Note
SVI-CMFCH03	[11 HYUD-1]	7952	After 2009 Most Hyundai/Kia 3-button Smartkey

Chip silkprint:049620C03

Hyundai/KIA

SVI–HMFNA04
SVI–HMFEU04
SVI–HMFKR04

SCL

GND

SDA

VCC

Key Information	Key Adapter	Chip Number	Note
SVI–CMFCH03	[11 HYUD–1]	7952	After 2009 Most Hyundai/Kia
SVI–HMFEU04		7952	3–button Smartkey
SVI–HMFKR04		7952	**Chip silkprint:049620C03**

SDA
SCL
GND
VCC
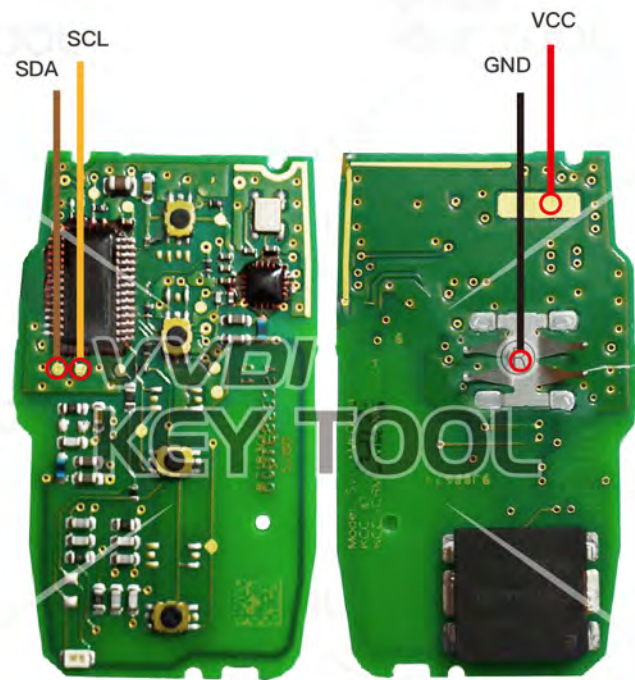
Hyundai/KIA SVI–XMFGE04

Key Information	Key Adapter	Chip Number
SVI–XMFGE04		7952
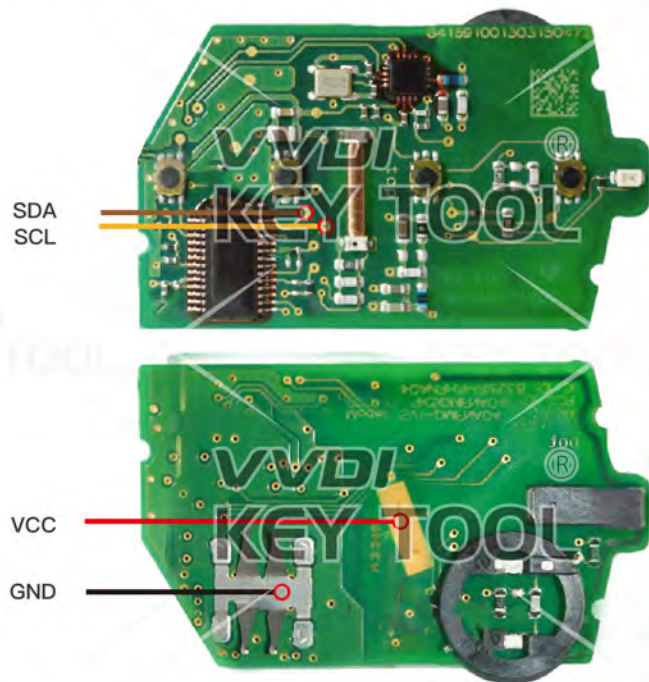
Hyundai/KIA

SVI-KHFGE04
SVI-KHFNA433

Key Information	Key Adapter	Chip Number
SVI-KHFGE04		7952
SVI-KHFNA433		7952

SDA
SCL

VCC

GND

Hyundai/KIA

SVI–DMFGE04
SVI–DMFNA04
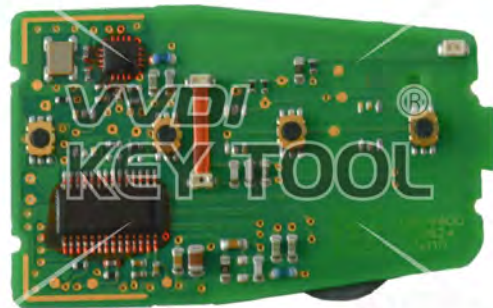
Key Information	Key Adapter	Chip Number
SVI–DMFGE04		7952
SVI–DMFNA04		7952

SDA
SCL
GND
VCC
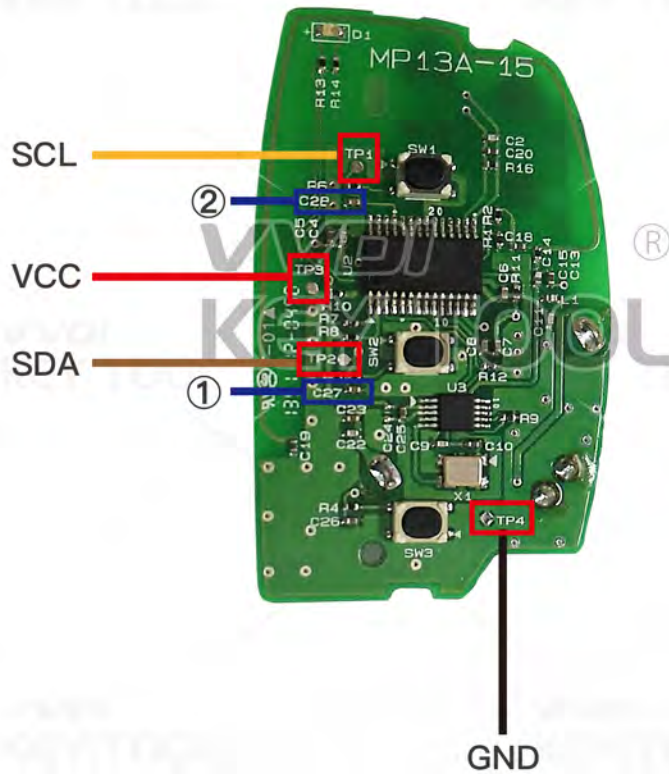
Hyundai/KIA MP13A-15

SCL

②

VCC

SDA

①

GND

Type	Frequency	Transponder	Note
MP13A-15 Smartkey	433	7953	Please remove the C27 and C28 components of legend ① and legend ②
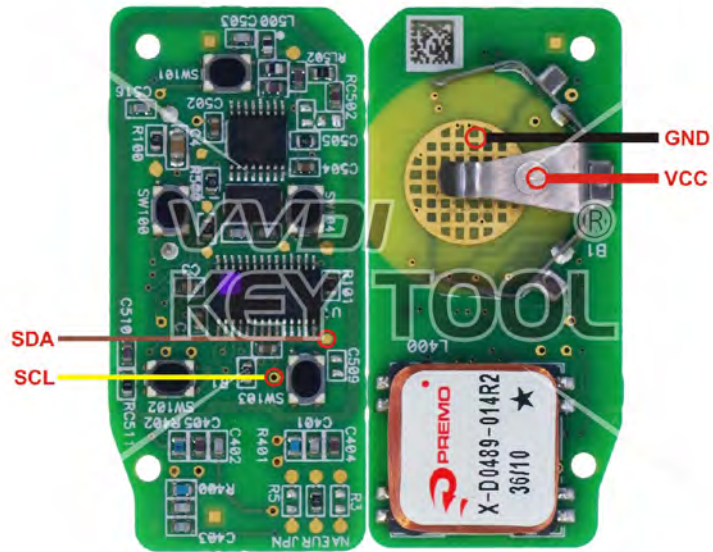
LAND ROVER 5E0U40247 (434MHz)
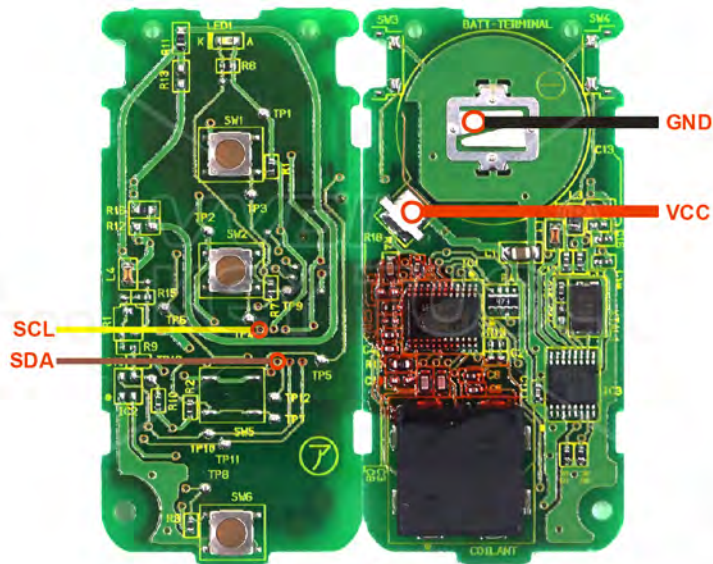
Key Information	Key Adapter	Chip Number
5E0U40247(434MHz)		7953

GND

VCC

SDA

SCL

LAND ROVER

YWX000061 (434MHz) Visteon / YWX000071 (315MHz) Visteon

Key Information	Key Adapter	Chip Number
YWX000061(434MHz)Visteon		7941
YWX000071(315MHz)Visteon		7941

VCC SDA

SCL GND

VVDI KEY TOOL

Mitsubishi

G8D-644M-KEY
(434MHZ)

Key Information	Key Adapter	Chip Number
G8D-644M-KEY(434MHZ)		7953

GND

VCC

SCL

SDA

NISSAN Hitag2/Hitag3 Smartkey

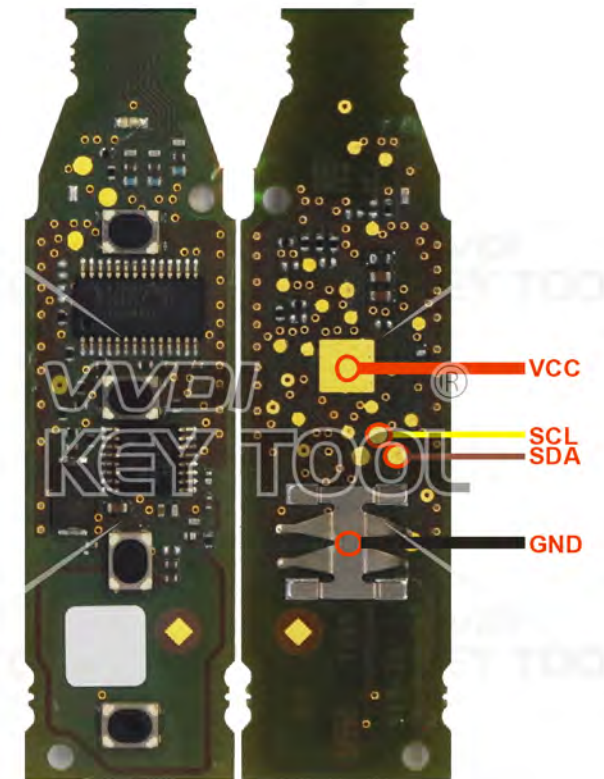| Key Information	Key Adapter	Chip Number	Note
315MHz Hitag2 Smartkey–A2C53188764		7953	PCB No.A2C53188764
315MHz Hitag2 Smartkey–A2C53297341		7953	PCB No.A2C53297341
433MHz Hitag3 Smartkey–A2C53405173	[2 NISS]	7953	PCB No.A2C53405173
433MHz Hitag3 Smartkey–A2C53408715		7953	PCB No.A2C53408715

SDA
SCL
GND
VCC

NISSAN

AES
Smartkey

Key Information	Key Adapter	Chip Number	Note
433MHz Hitag–AES Smartkey –A2C32801600		7953	PCB No.A2C32801600

SCL   SDA

GND   VCC

Porsche

Key Information	Key Adapter	Chip Number
7PP959753BN 434MHz	[4 POSC]	7953
7PP959753BS 434MHz	[4 POSC]	7953
7PP959753BM 315MHz	[4 POSC]	7953
7PP959753BQ 315MHz	[4 POSC]	7953
7PP959753AJ 434MHz	[4 POSC]	7953

VCC

SCL
SDA

GND

PSA Citroen 3 buttons C5

Key Information	Key Adapter	Chip Number
E28CI01B		7941
E25CI009		7941
E33CI002		7941
21676652		7941

GND VCC

SDA SCL
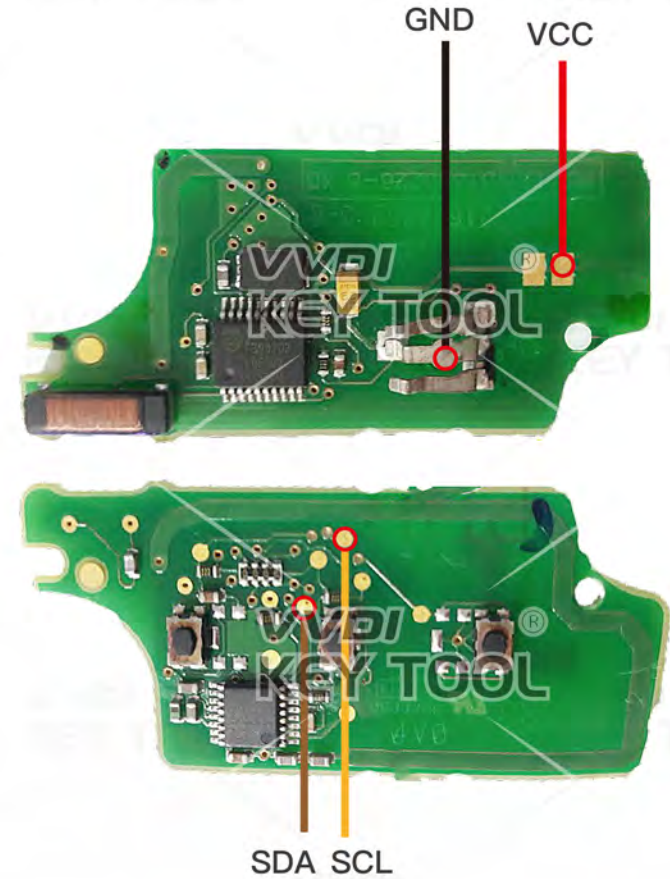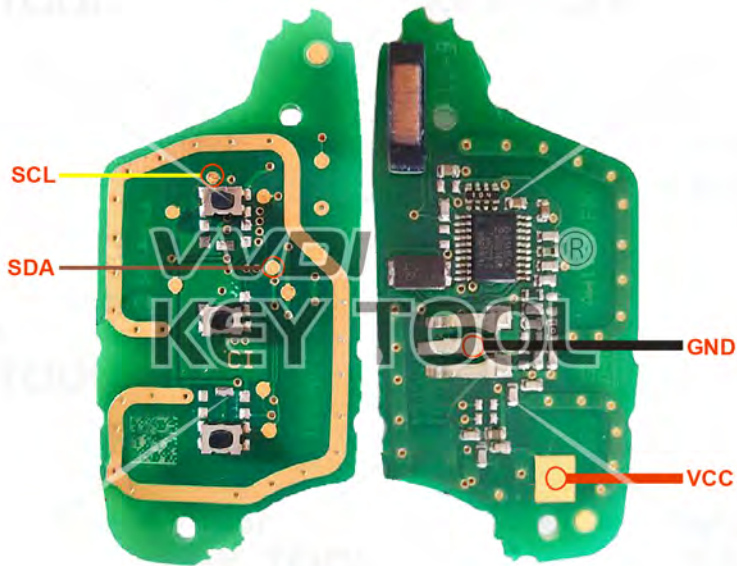
Renault
AK010008 Fluence 3Btn (433MHz)

Key Information	Key Adapter	Chip Number
AK010008 Fluence 3Btn(433MHz)		7961

Renault

285971998R Smartkey (Hitag—AES 433MHz)

Key Information	Key Adapter	Chip Number
285971998R Smartkey (Hitag—AES 433MHz)		7952

SCL

SDA

VCC

GND
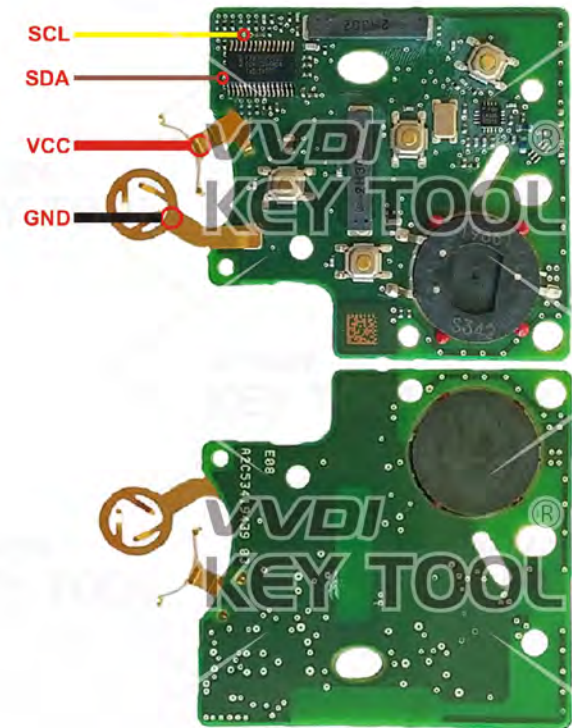
Renault

285974100 Remote
(Hitag—AES 433MHz)

Key Information	Key Adapter	Chip Number
285974100 Remote (Hitag—AES 433MHz)		7953
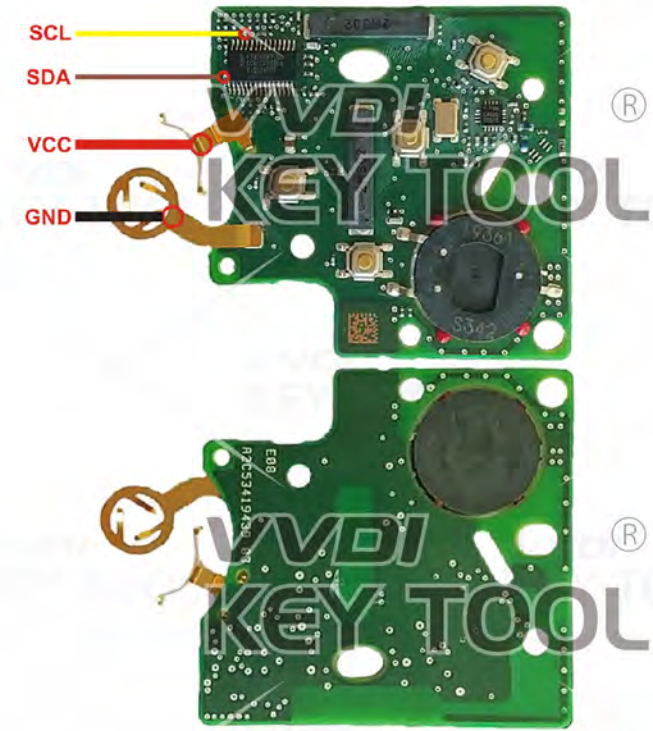
SCL

SDA

VCC

GND

SCL
SDA

GND

VCC

Renault 805673071R
(2 BTN 433MHz)

Key Information	Key Adapter	Chip Number
805673071R(2 BTN 433MHz)		7961

Renault

805673071R
(2 BTN 433MHz)

Key Information	Key Adapter	Chip Number
805673071R(2 BTN 433MHz)		7961

SCL

SDA

GND

VCC
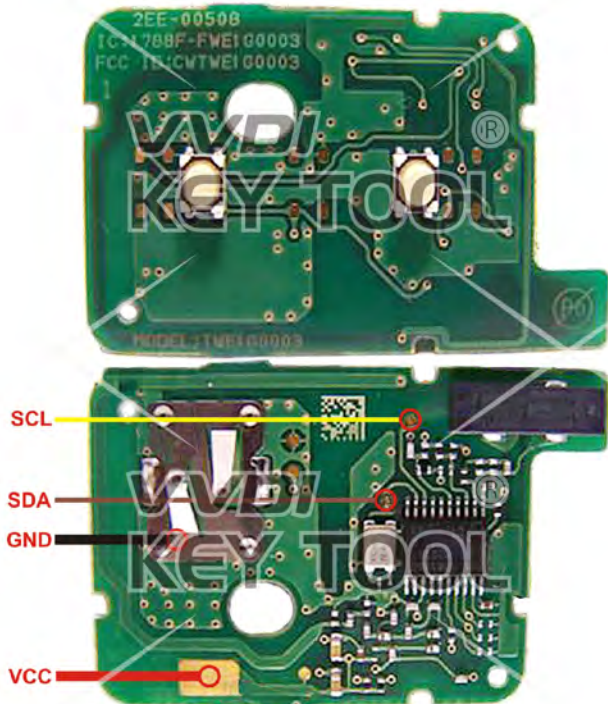
Renault

285970036R
(Hitag2–433MHz)

Key Information	Key Adapter	Chip Number
285970036R(Hitag2–433MHz)		7953

SCL

SDA

GND

VCC

Renault

285975779R Smartkey 433MHz

Key Information	Key Adapter	Chip Number
285975779R Smartkey 433MHz		7953

SDA

VCC

GND

SCL
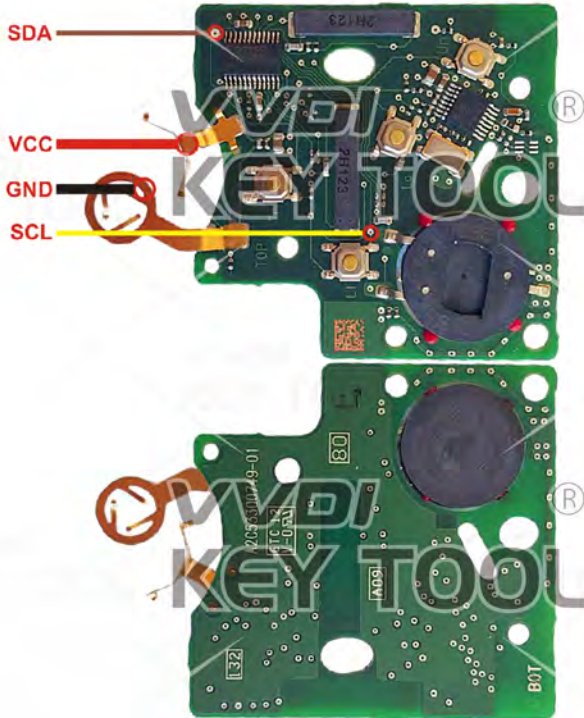
Renault

285979045R Smartkey 433MHz

Key Information	Key Adapter	Chip Number
285979045R Smartkey 433MHz		7953

GND

VCC

SDA
SCL
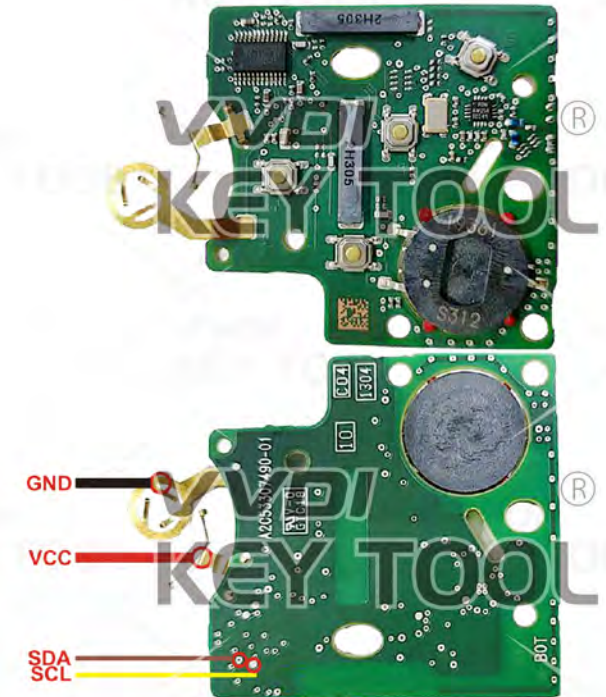
VOLVO

Hitag2/Hitag3 Smartkey

Key Information	Key Adapter	Chip Number
5WK49266(900MHz) Smartkey		7953
5WK49269(433MHz) Smartkey	[12 VOLO]	7953

SDA

SCL

GND

VCC
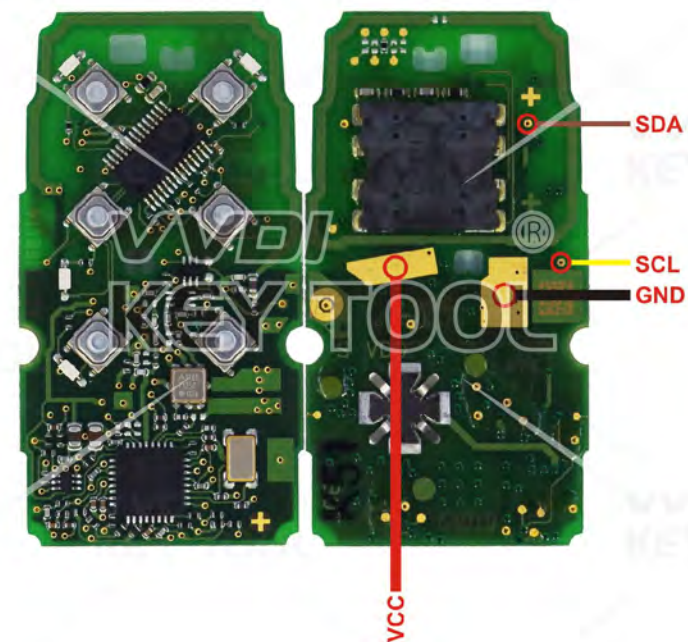
More vehicle types will be supported continuously,
so stay tuned...

VVDI **KEY TOOL**