

VVDI *KEY TOOL*

REMOTE UNLOCK
WIRING DIAGRAM

Version number v2.0 2017.8.29

Keytool wiring function definition



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

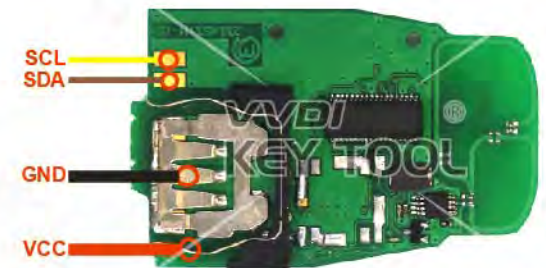
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Audi Universal type

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



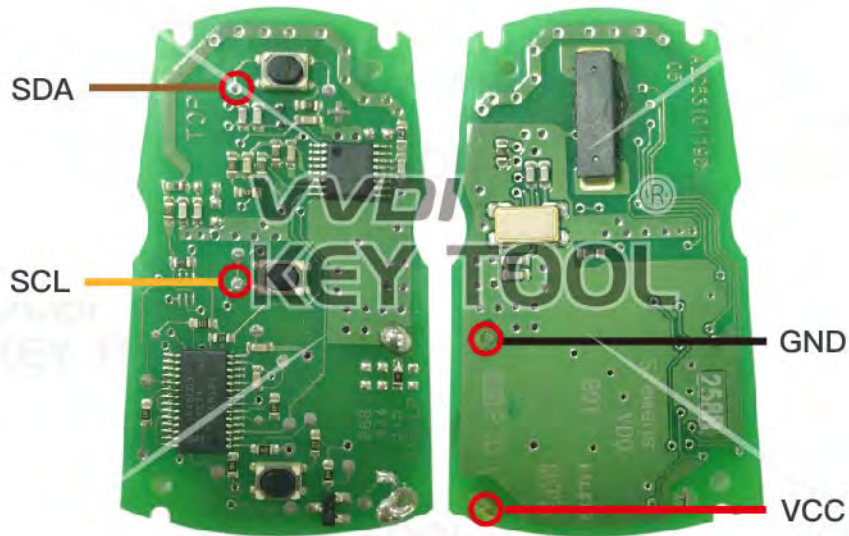
Audi Universal type

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 key, please use universal type to test if selected data can not work



BMW CAS3 Remote



Key Information	Key Adapter	Chip Number
E Series 5WK49125 868MHz Remote	[8 BMW-E]	7945
E Series 5WK49127 315MHz Remote	[8 BMW-E]	7945





BMW CAS3 Smartkey*

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



* Passive Entry Key / Comfort Access Key / Keyless Go

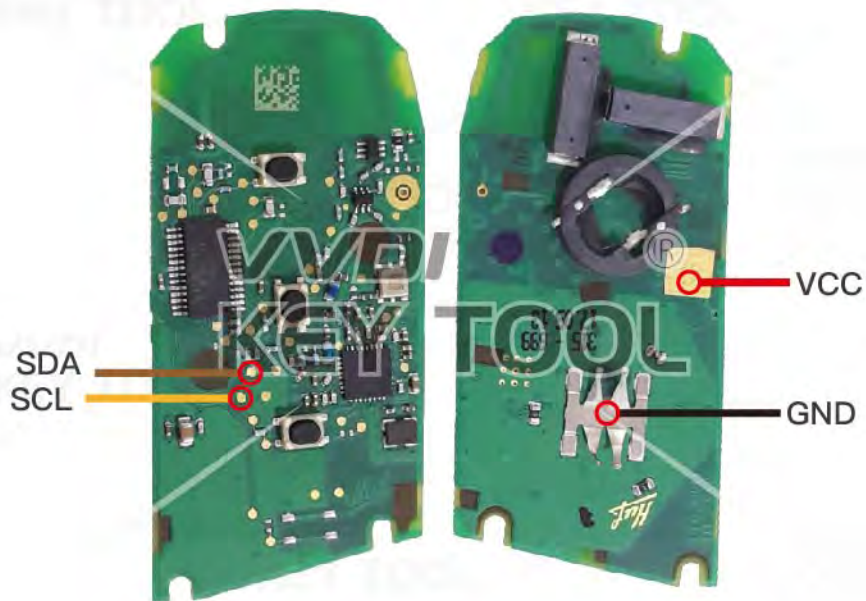


BMW BMW F series Smart* Provided by Continental

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



* Passive Entry Key / Comfort Access Key / Keyless Go



BMW

BMW F series Smart*
Provided by Huf

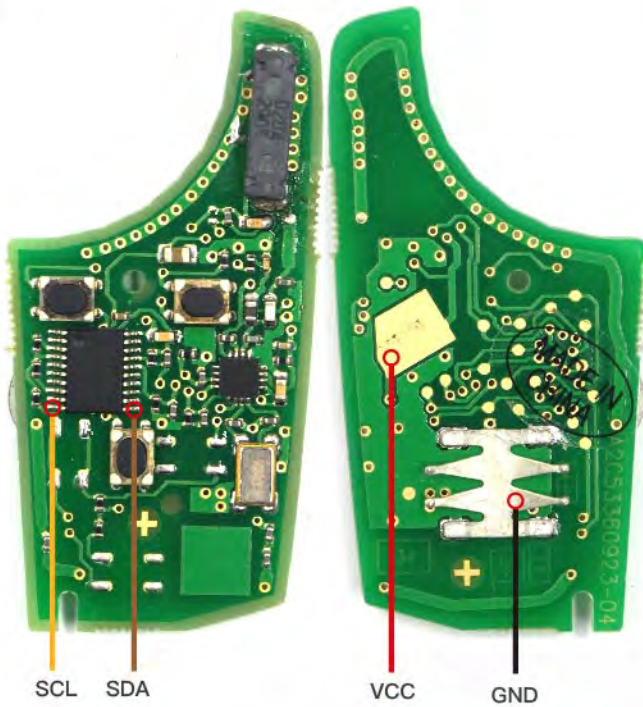
Key Information	Key Adapter	Chip Number
F Series HUF5661 868MHz Huf	[7 BMW-F]	7953
F Series HUF5662 315MHz Huf	[7 BMW-F]	7953
F Series HUF5663 434MHz Huf	[7 BMW-F]	7953
F Series HUF5667 434MHz Huf	[7 BMW-F]	7953
F Series 868MHz Huf	[7 BMW-F]	7953
F Series 868MHz Huf	[7 BMW-F]	7953



* Passive Entry Key / Comfort Access Key / Keyless Go

Smartkey*

BUICK/CHEVROLET



Key Information	Key Adapter	Chip Number
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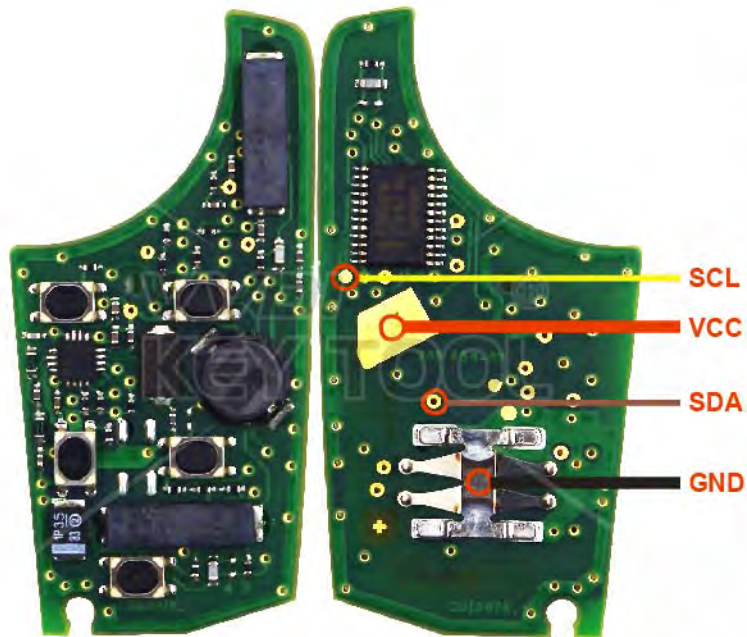
A2C53360923 3-button

7941

* Passive Entry Key / Comfort Access Key / Keyless Go

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



* Passive Entry Key / Comfort Access Key / Keyless Go

OHT692427AA

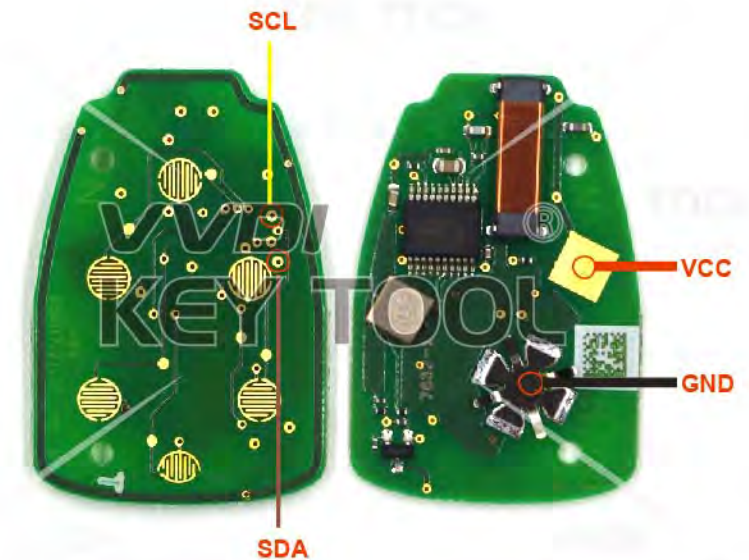
Chrysler/JEEP/Dodge

Key Information	Key Adapter	Chip Number
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OHT692427AA(2005)		7941
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Support vehicle models

2007–2011 Chrysler Sebring	2007–2011 Dodge Nitro
2006–2010 Chrysler PT Cruiser	2006–2009 Dodge RAM
2005–2007 Chrysler PT Cruiser Convertible	2006–2009 Jeep Commander
2008–2013 Dodge Avenger	2008–2013 Jeep Compass
2006–2012 Dodge Caliber	2005–2007 Jeep Grand Cherokee
2005–2007 Dodge Charger	2008–2012 Jeep Liberty
2004–2013 Dodge Dakota	2007–2013 Jeep Patriot
2004–2013 Dodge Durango	2007–2013 Jeep Wrangler
2005–2007 Dodge Magnum	



OHT692713AA

Chrysler/JEEP/Dodge

Key Information

Key Adapter

Chip Number

OHT692713AA

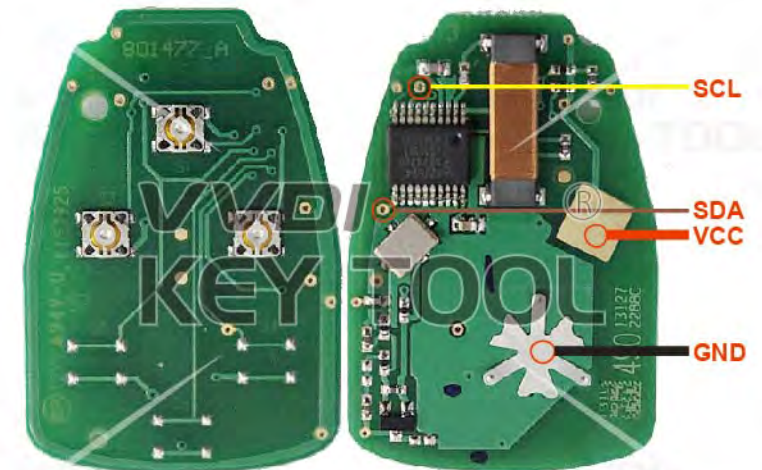
7941

Support vehicle models

2004–2007 Chrysler Town&Country

2004–2007 Dodge Caravan

2004–2007 Dodge Grand Caravan



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



* Connect with 1KΩ resistor between SCL and GND



IYZ-C01C

Chrysler/JEEP/Dodge

Key Information	Key Adapter	Chip Number
IYZ-C01C		7941

Support vehicle models

2008–2011 Chrysler 300	2008–2013 Chrysler Town&Country
2010–2013 Dodge Caravan	2008–2013 Dodge Charger
2008–2013 Dodge Challenger	2011–2013 Dodge Durango
2008–2012 Dodge Grand Caravan	2008–2011 Dodge Journey
2008– Dodge Magnum	2009–2013 Dodge RAM
2008–2010 Jeep Commander	2011–2013 Jeep Grand Cherokee



M3N5WY783X

Chrysler/JEEP/Dodge

Key Information

Key Adapter

Chip Number

M3N5WY783X

7941

Support vehicle models



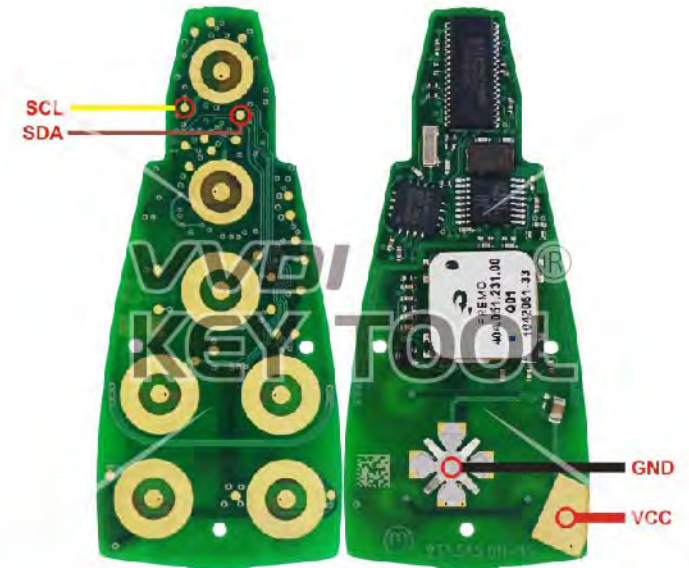
IYZ-C01C Smartkey^{*}

Chrysler/JEEP/Dodge

Key Information	Key Adapter	Chip Number
IYZ-C01C Smartkey		7945

Support vehicle models

2008–2011 Chrysler 300	2008–2013 Chrysler Town&Country
2010–2013 Dodge Caravan	2008–2013 Dodge Charger
2008–2013 Dodge Challenger	2011–2013 Dodge Durango
2008–2012 Dodge Grand Caravan	2008–2011 Dodge Journey
2008– Dodge Magnum	2009–2013 Dodge RAM
2008–2010 Jeep Commander	2011–2013 Jeep Grand Cherokee

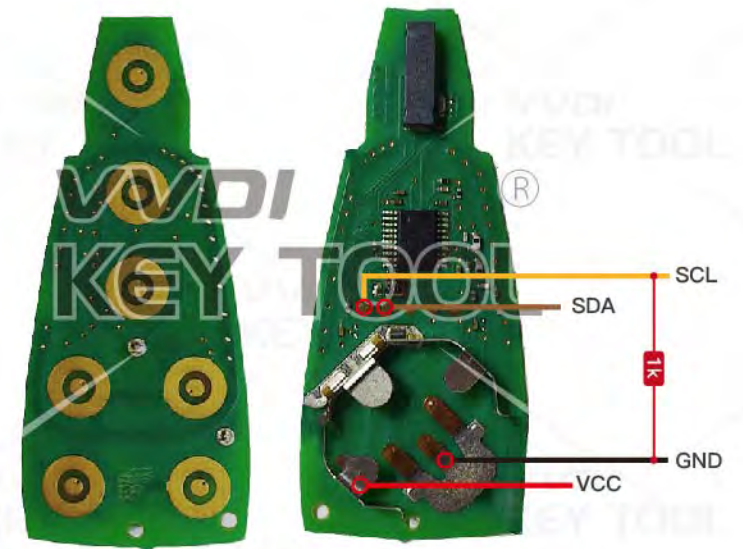


* Passive Entry Key / Comfort Access Key / Keyless Go

GQ4-53T

Chrysler/JEEP/Dodge

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

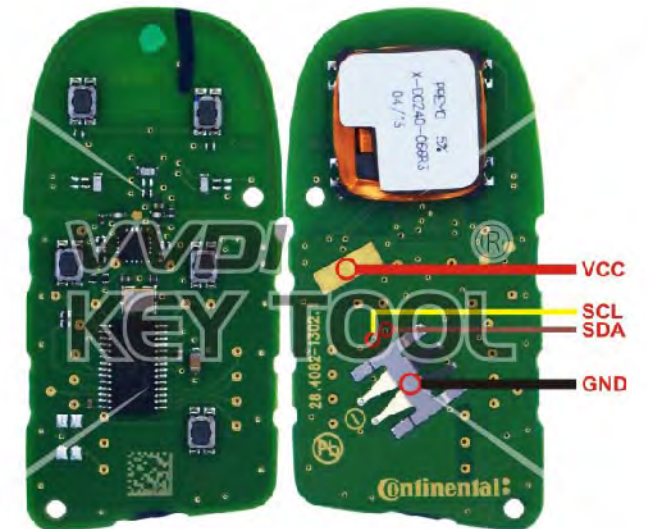


* Connect with 1K Ω resistor between SCL and GND

M3M

Chrysler/JEEP/Dodge

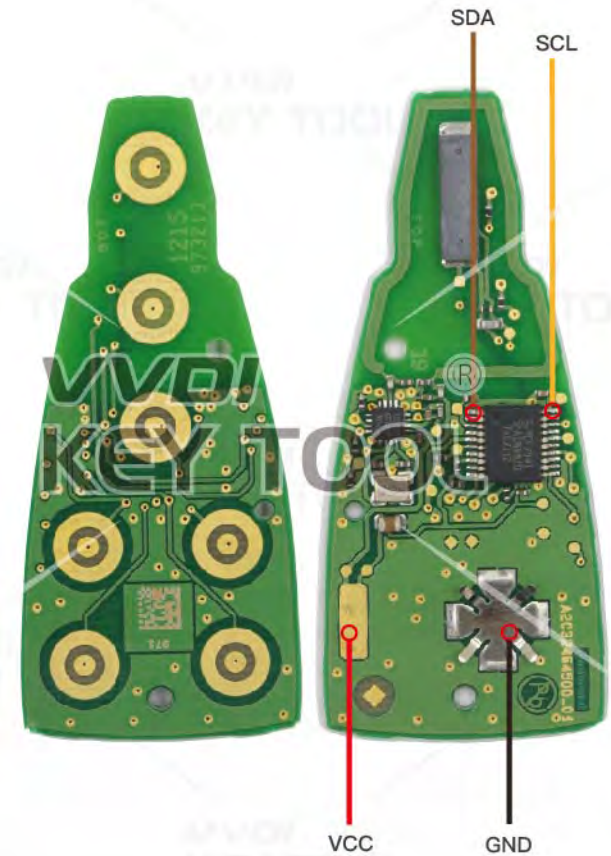
Key Information	Key Adapter	Chip Number	Note
M3M AES M3M Hitag 2	[1 MAST]	7953	Chip silkprint:F7953MC



M3M 322971XX

Chrysler/JEEP/Dodge

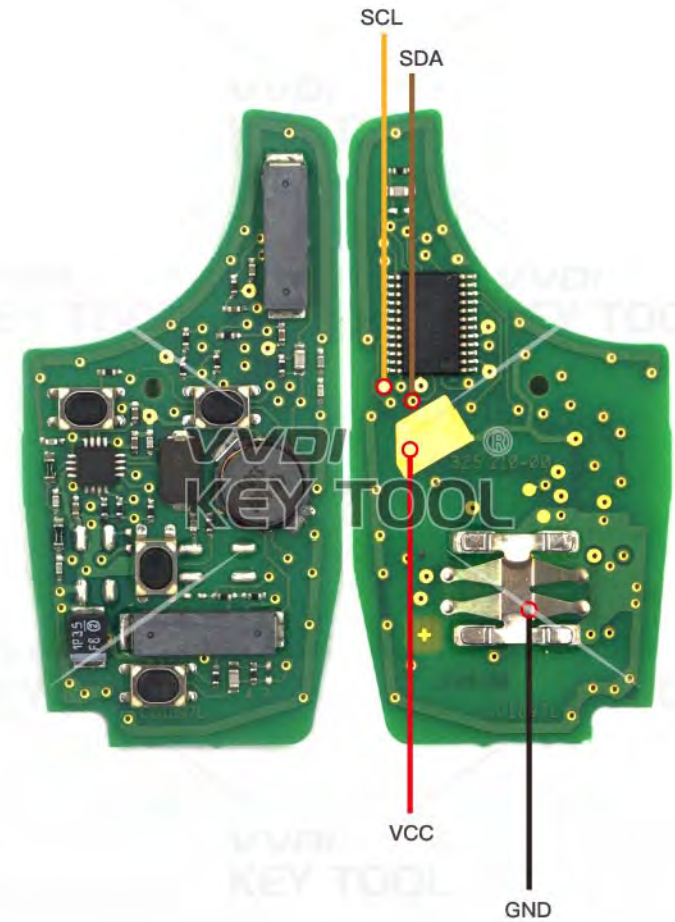
Key Information	Key Adapter	Chip Number	Note
M3M 322971XX		7941	

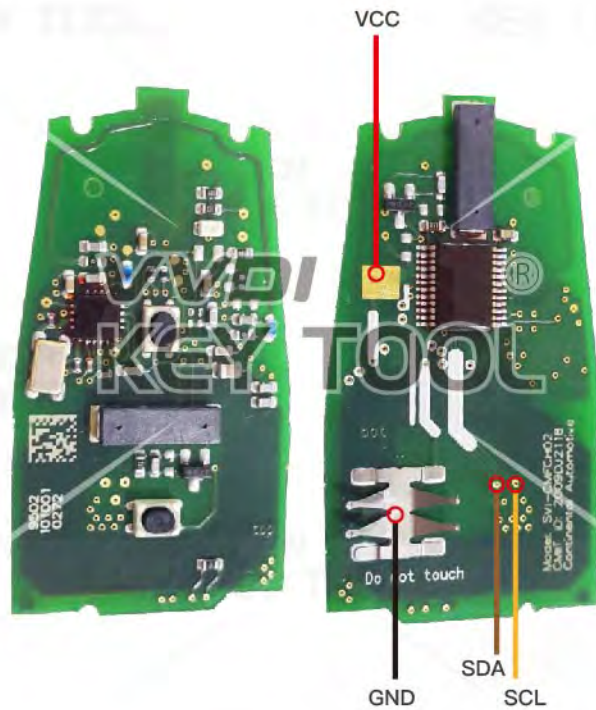


Great wall H2 Smartkey *

Key Information	Key Adapter	Chip Number
285979045R 433MHz Smartkey		7952

* Passive Entry Key / Comfort Access Key / Keyless Go

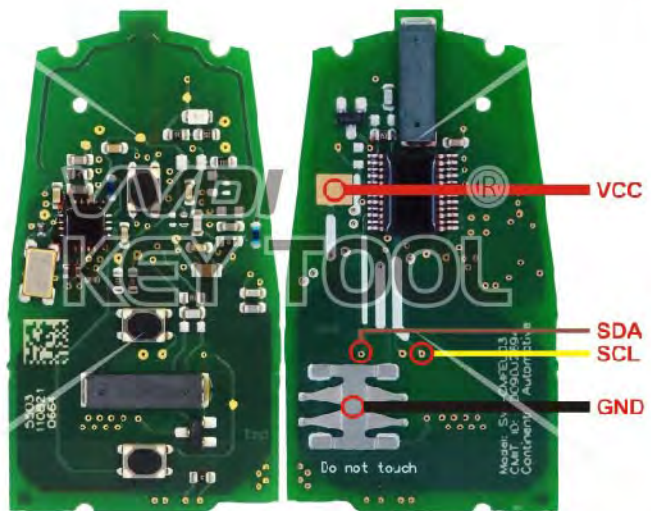




Hyundai/KIA SVI-CMFCH02

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





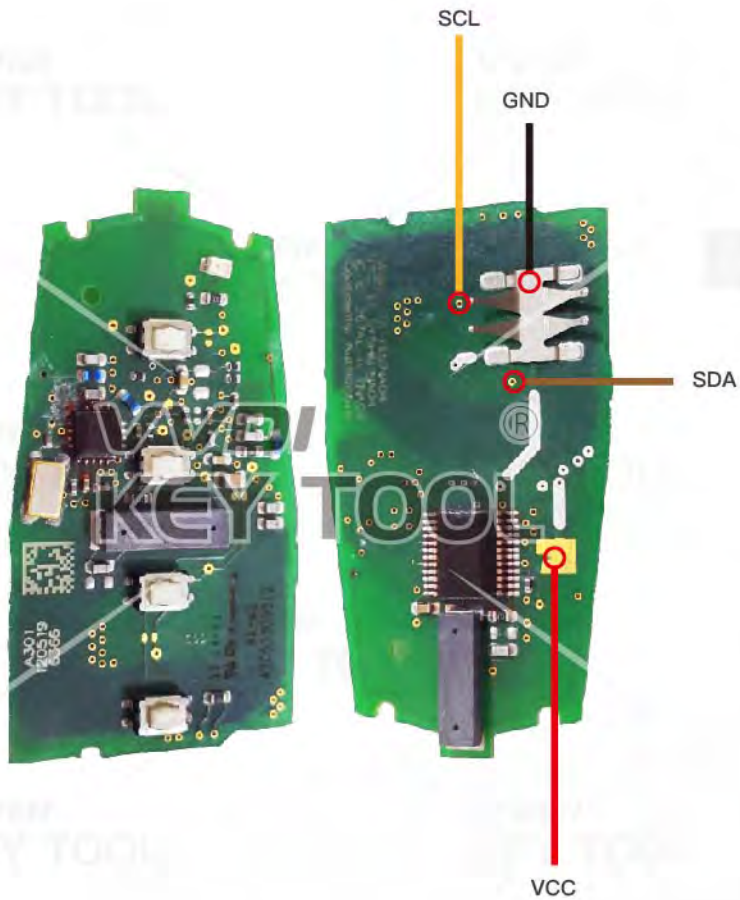
Hyundai/KIA SVI-CMFEU03

Key Information	Key Adapter	Chip Number	Note
SVI-CMFCH03		7952	After 2009 Most Hyundai/Kia 3-button Smartkey Chip silkprint:049620C03



SVI-HMFNA04
 SVI-HMFEU04
 SVI-HMFKR04

Hyundai/KIA



Key Information	Key Adapter	Chip Number	Note
SVI-CMFCH03		7952	After 2009 Most Hyundai/Kia 4-button Smartkey Chip silkprint:049620C03
SVI-HMFEU04		7952	
SVI-HMFKR04		7952	





Hyundai/KIA SVI-XMFGE04

Key Information

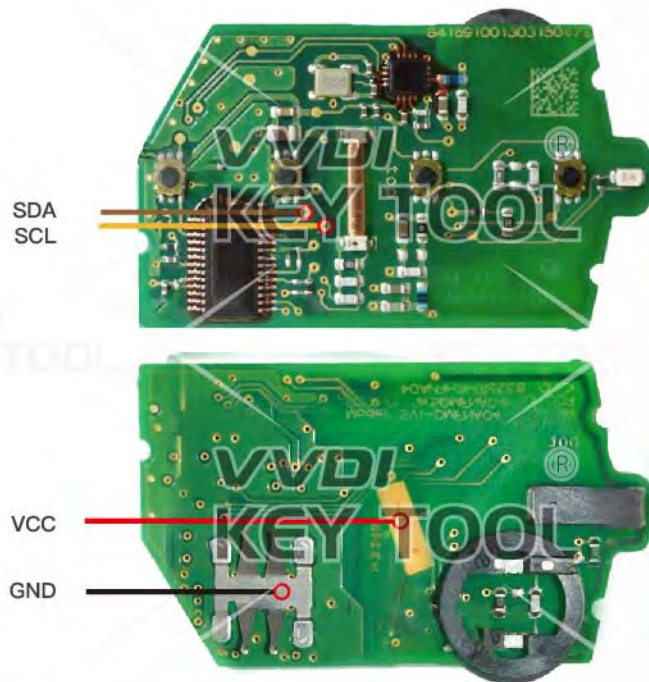
Key Adapter

Chip Number

SVI-XMFGE04

7953





Hyundai/KIA

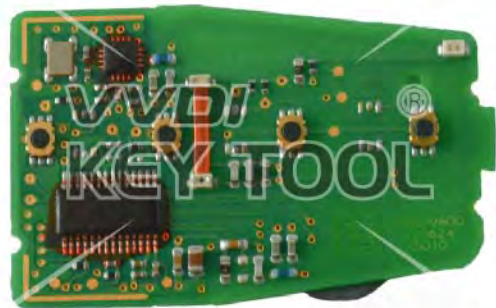
SVI-KHFGE04
SVI-KHFNA433

Key Information	Key Adapter	Chip Number
SVI-KHFGE04		7953
SVI-KHFNA433		7953



Hyundai/KIA

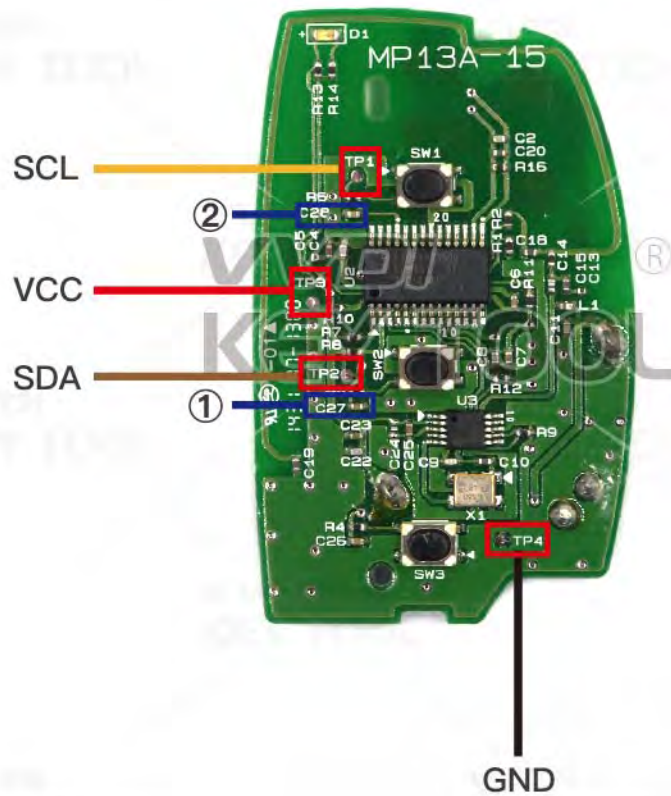
SVI-DMFGE04
SVI-DMFNA04



SDA
SCL
GND
VCC

Key Information	Key Adapter	Chip Number
SVI-DMFGE04		7953
SVI-DMFNA04		7953

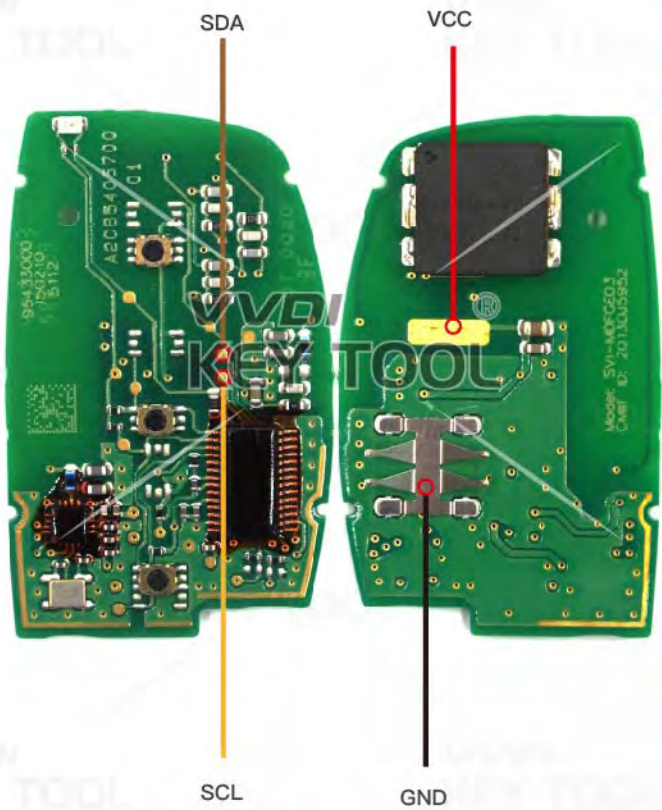




Hyundai/KIA MP13A-15

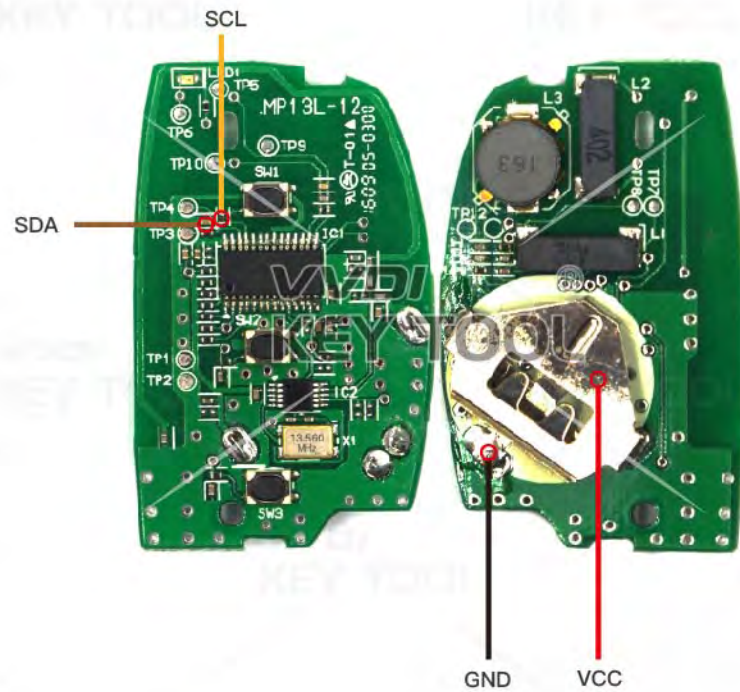
Type	Frequency	Transponder	Note
MP13A_15 Smartkey	433	7953	Please remove the C27 and C28 components of legend ① and legend ②





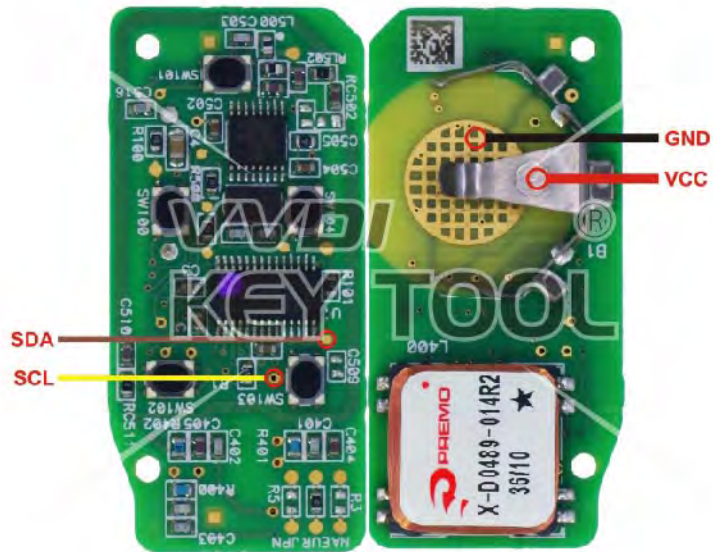
Hyundai/KIA 2013DJ5952 3-button

Type	Frequency	Transponder	Note
2013DJ5952 3-button		7953	



Hyundai/KIA MP13L-12

Type	Frequency	Transponder	Note
MP13L-12		7953	



LAND ROVER

5E0U40247
434MHz

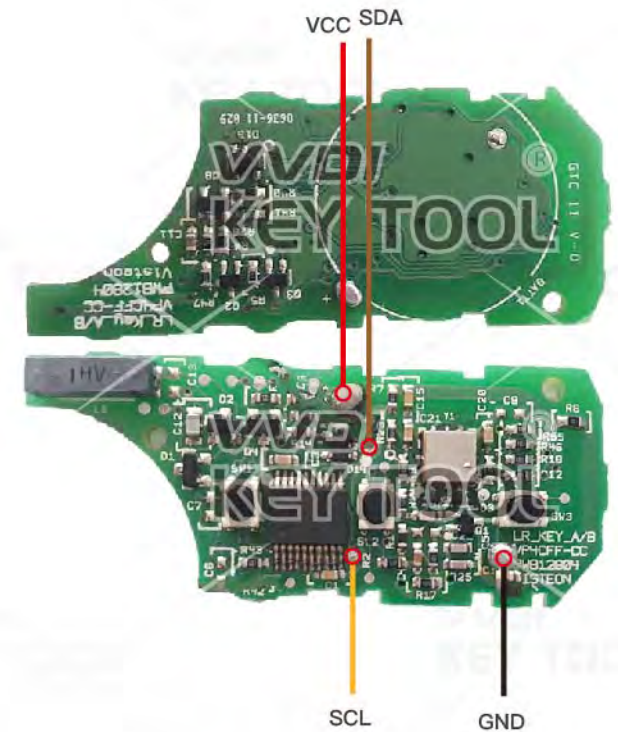
Key Information	Key Adapter	Chip Number
5E0U40247 434MHz		7953

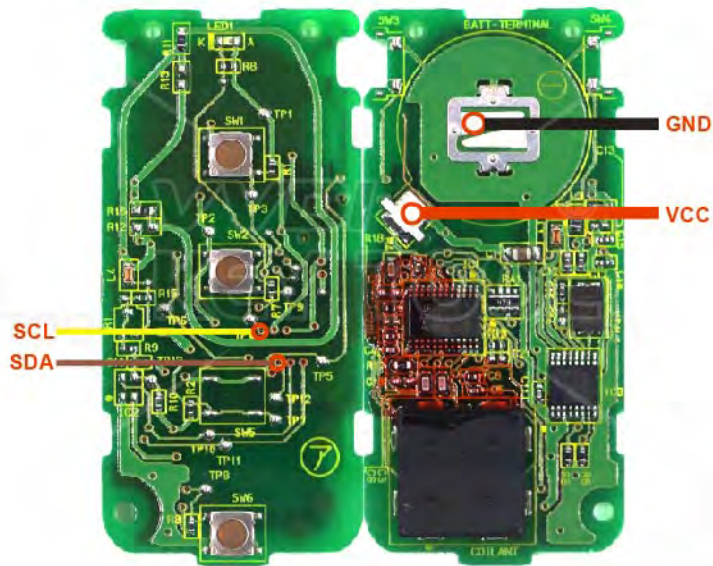


LAND ROVER

YWX000061 434MHz Visteon / YWX000071 315MHz Visteon

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





Mitsubishi

G8D-644M-KEY
434MHZ

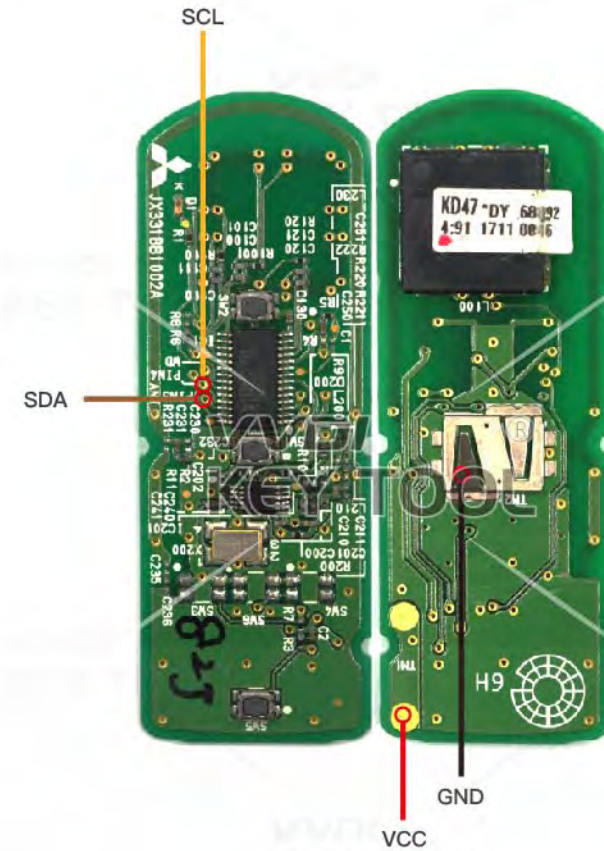
Key Information	Key Adapter	Chip Number
G8D-644M-KEY 434MHZ		7953



Mazda CX5 Smartkey *

Key Information	Key Adapter	Chip Number
JX331BB1002A		

* Passive Entry Key / Comfort Access Key / Keyless Go



NISSAN Hitag3 Smartkey *

Key Information	Key Adapter	Chip Number	Note
Hitag3 A2C53188764 315MHz Smartkey	[2 NISS]	7953	
Hitag3 A2C53405173 433MHz Smartkey	[2 NISS]	7953	



* Passive Entry Key / Comfort Access Key / Keyless Go

NISSAN Hitag 2 Smartkey *

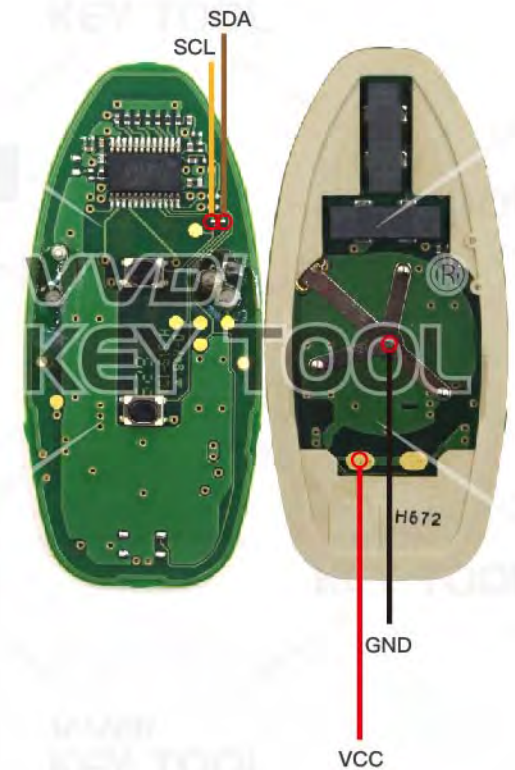
Key Information	Key Adapter	Chip Number	Note
Hitag2 A2C53297341 315MHz Smartkey		7952	PCB No.A2C53297341



* Passive Entry Key / Comfort Access Key / Keyless Go

NISSAN Hitag 2 Smartkey *

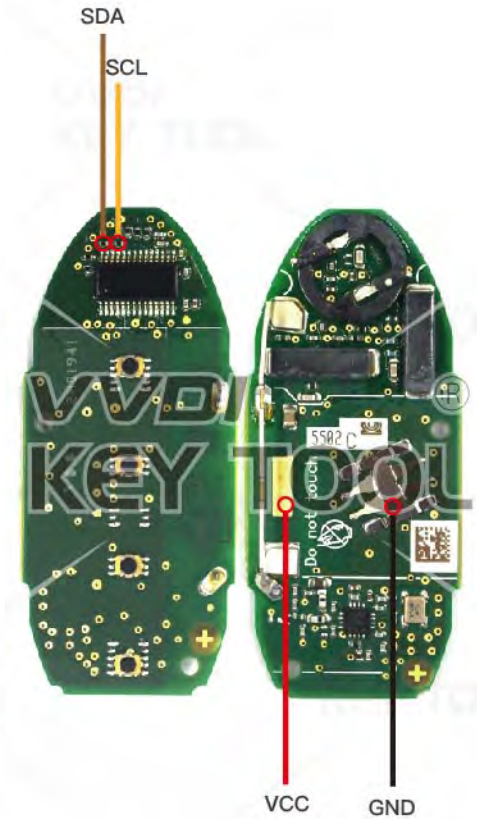
Key Information	Key Adapter	Chip Number	Note
FCC ID-CWTWB1U825 Hitag2 2-button Smartkey		7952	PCB No.2EE-00053DA TCI-SIS H



* Passive Entry Key / Comfort Access Key / Keyless Go

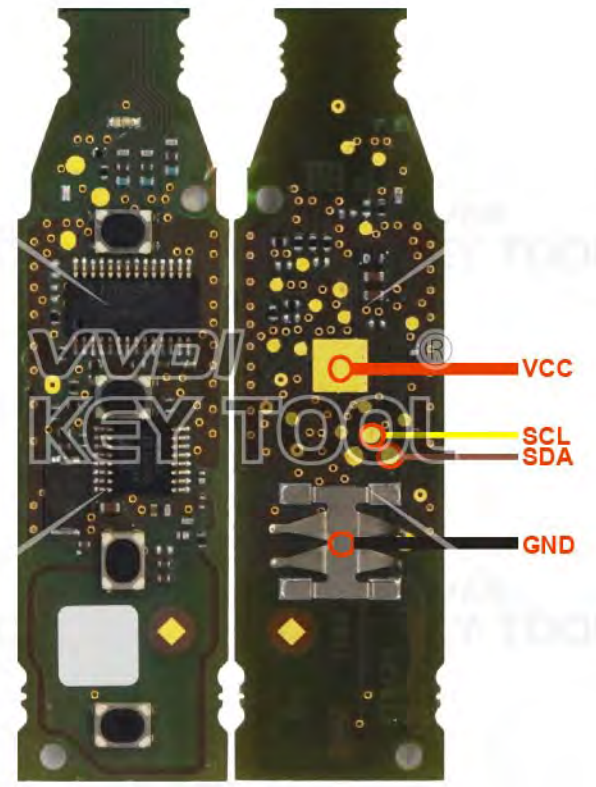
NISSAN

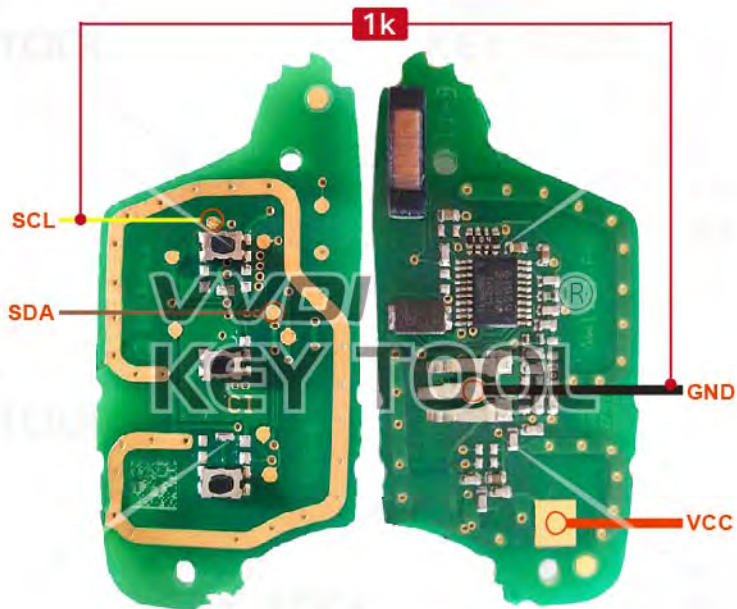
Key Information	Key Adapter	Chip Number	Note
Hitag-AES A2C32801600 433MHz Smartkey		7953	
Hitag-AES A2C32800800 433MHz Smartkey		7953	



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





* Connect with 1KΩ resistor between SCL and GND

Renault AK010008 Fluence 3-button 433MHz

Key Information	Key Adapter	Chip Number
AK010008 Fluence 3-button 433MHz		7961



Renault 285971998R Smartkey^{*} Hitag—AES 433MHz

Key Information	Key Adapter	Chip Number
285971998R Smartkey Hitag—AES 433MHz		7953



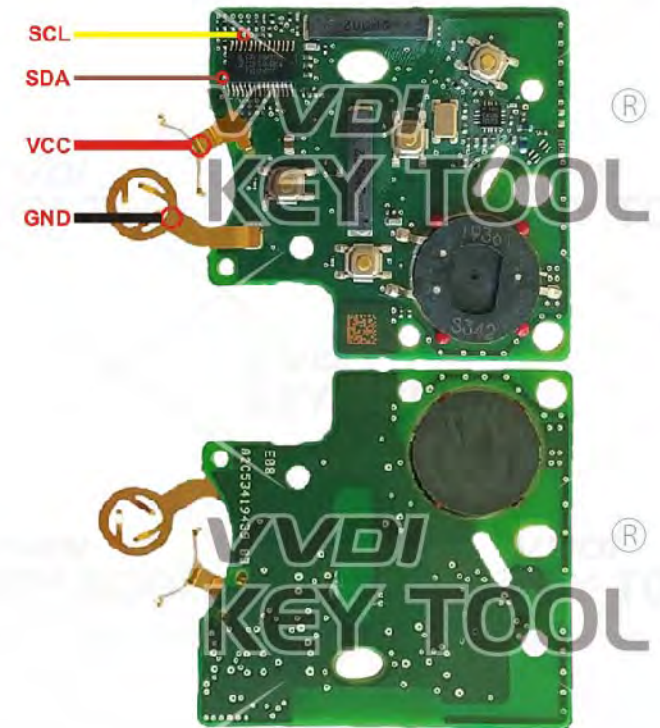
* Passive Entry Key / Comfort Access Key / Keyless Go

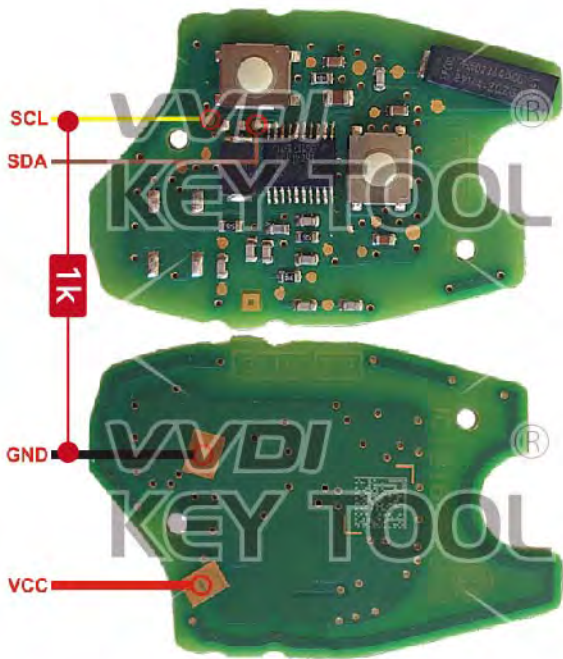


Renault

285974100 Remote
Hitag—AES 433MHz

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





* Connect with 1KΩ resistor between SCL and GND

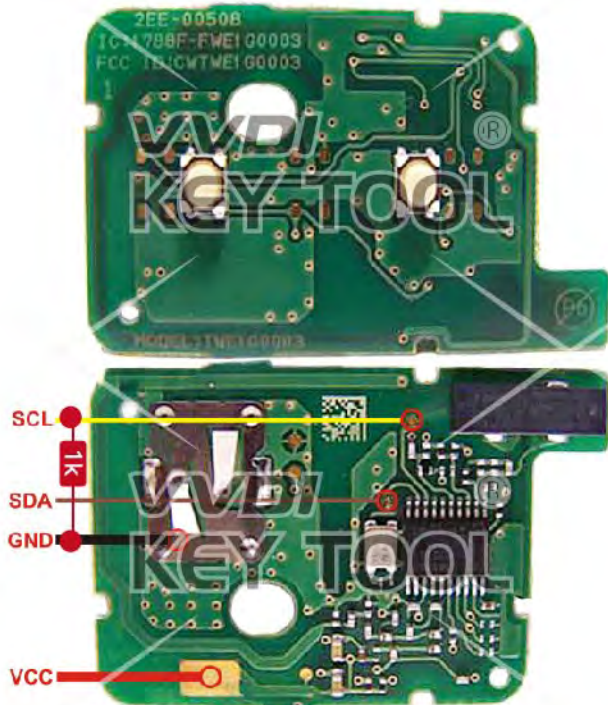
Renault 805673071R 2-button 433MHz

Key Information	Key Adapter	Chip Number
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805673071R 2-button 433MHz

7961





* Connect with 1KΩ resistor between SCL and GND

Renault 805673071R 2-button 433MHz

Key Information	Key Adapter	Chip Number
805673071R 2-button 433MHz		7961



Renault

285970036R
Hitag2-433MHz

Key Information	Key Adapter	Chip Number
285970036R Hitag2-433MHz		7941



Renault

285975779R Smartkey*
433MHz

Key Information	Key Adapter	Chip Number
285975779R Smartkey 433MHz		7952

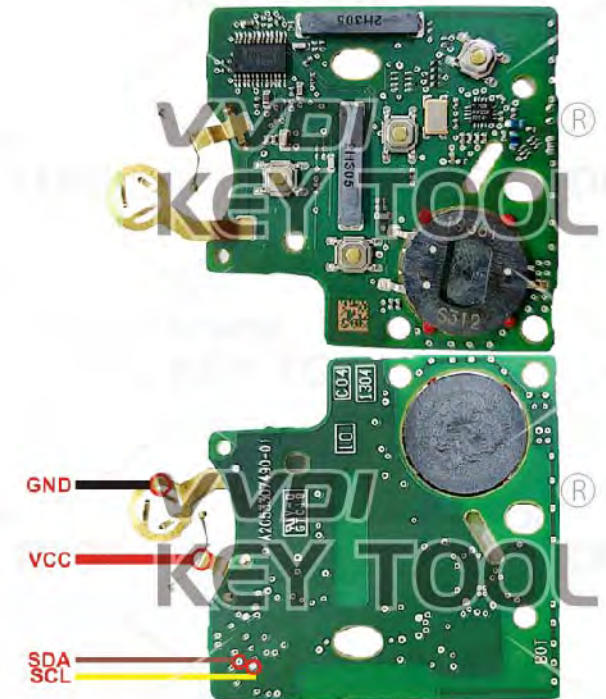


* Passive Entry Key / Comfort Access Key / Keyless Go

Renault

285979045R Smartkey*
433MHz

Key Information	Key Adapter	Chip Number
285979045R Smartkey 433MHz		7952

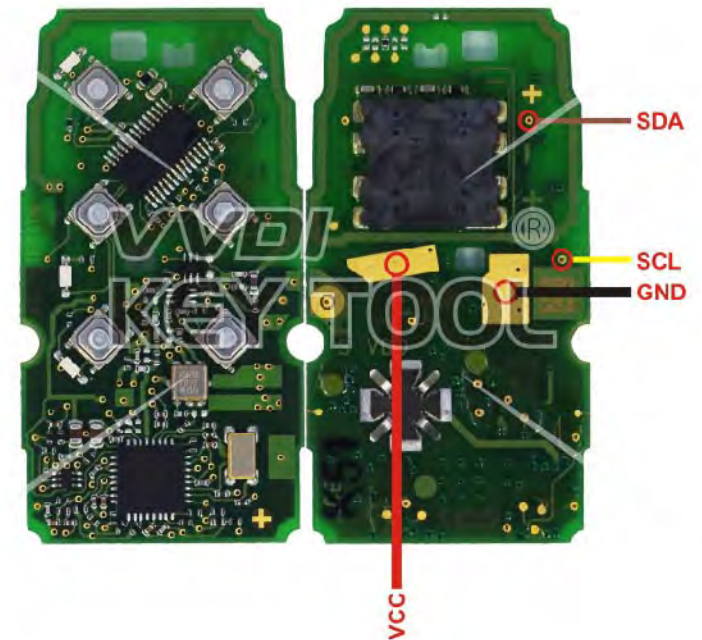


* Passive Entry Key / Comfort Access Key / Keyless Go

VOLVO

Hitag2/Hitag Smartkey *

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



* Passive Entry Key / Comfort Access Key / Keyless Go

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

VVDI *KEY TOOL*