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### ***Wiring Information***

Item	Wire Color	Polarity	Wire Location
12 Volts	Red/Gray (40A)	+	VEBCM above driver kick, white 73 pin plug, pin 1
Ground	(chassis ground)		
Starter Kill	Red	+	Underhood Fuse/Relay Box, below fuse SB23 (30A)
Starter	Red/Black	+	Driver Kick, blue 17 pin plug, pin 5
Ignition	Black/Red	+	VEBCM above driver kick, black 73 pin plug, pin 47
Second Ignition	Black	+	VEBCM above driver kick, black 73 pin plug, pin 44
PTS 1	Blue/White	-	Start Stop Button, black 6 pin plug, pin 5
PTS 2	Blue/Yellow	-	Start Stop Button, black 6 pin plug, pins 6 and 3
Keysense	Yellow/Red	+	VEBCM above driver kick, black 73 pin plug, pin 54
CAN Bus High	Red	Data	OBD-Data Link Connector, black 16 pin plug, pin 6
CAN Bus Low	Orange/Brown	Data	OBD-Data Link Connector, black 16 pin plug, pin 14
CAN Bus High 2	Green	Data	VEBCM above driver kick, black 73 pin plug, pin 16 - -or-- Driver Kick, black 17 pin plug, pin 9
CAN Bus Low 2	Orange/Brown	Data	VEBCM above driver kick, black 73 pin plug, pin 17 - -or-- Driver Kick, black 17 pin plug, pin 8
CAN Bus High 3	Green	Data	Electronic Steering Column Lock Module, black 4 pin plug, pin 1
CAN Bus Low 3	Orange/Brown	Data	Electronic Steering Column Lock Module, black 4 pin plug, pin 2
OBD 12 Volts	Gray/Violet (7.5A)	+	OBD-Data Link Connector, black 16 pin plug, pin 16
OBD Ground	Brown	-	OBD-Data Link Connector, black 16 pin plug, pin 4
OBD Ignition	Red/Blue	+	OBD-Data Link Connector, black 16 pin plug, pin 1

## 2020 Audi Q3(SmartKey) - Requested by: ampire.de



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Item	Wire Color	Polarity	Wire Location
OBD Connector	Violet-Black		Under Driver Dash, Above Driver Kick
IMMO Antenna	Green	RF	Immobilizer Reader Coil in steering column, black 2 pin plug, pin 1
Power Lock	Violet/Red	- Resistor	Driver Door Module, blue 32 pin plug, pin 28
Power Unlock	(same as power lock)	-	
Lock Motor	Brown/Yellow	Reverse	Driver Door Module, white 20 pin plug, pin 13
Driver Unlock Motor	Blue/Black	Reverse	Driver Door Module, white 20 pin plug, pin 11
Passenger Unlock Motor	Blue/Black	Reverse	Passenger Door Module, white 20 pin plug, pin 11
Factory Alarm Arm	Green/White (key lock)	- Resistor	Driver Door Module, white 20 pin plug, pin 1
Factory Alarm Disarm	(same as factory alarm arm)	-	
Parking Lights	(CAN, LF/RF)		
Parking Lights 2	Red/White (LR); Red/Gray (RR)	+	VESCM above driver kick, white 73 pin plug, pin 10 (LR); black 73 pin plug, pin 65 (RR)
Parking Lights -	(LIN)		
Hazards	Violet/Red	-	VESCM above driver kick, white 73 pin plug, pin 42
Turn Signal (Left)	(CAN, LF Full LED); Black/Violet (LF LED); Blue/Yellow (LR)	+	VESCM above driver kick, white 46 pin plug, pin 36 (LF); black 73 pin plug, pin 60 (LR)
Turn Signal (Right)	(CAN, RF Full LED); Black/Blue (RF LED); Blue (RR)	+	VESCM above driver kick, white 46 pin plug, pin 20 (RF); white 73 pin plug, pin 31 (RR)
Headlight	Yellow/Black (L); Yellow (R)	+	VESCM above driver kick, white 73 pin plug, pin 5 (L); white 46 pin plug, pin 1 (R)
AutoLights	(LIN)		
Reverse Light	Black/Blue	+	VESCM above driver kick, white 73 pin plug, pin 11
Left Front Door Trigger	Blue/White	-	Driver Door Module, white 20 pin plug, pin 5
Right Front Door Trigger	Brown	-	Passenger Door Module, white 20 pin plug, pin 5
Left Rear Door Trigger	Green/White or Green/Violet (with ambient light)	-	Left Rear Door Module, white 20 pin plug, pin 5
Left Rear Door Trigger 2	Brown/Violet (w/o ambient light)	-	VESCM above driver kick, black 73 pin plug, pin 50

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Right Rear Door Trigger	Green/White (with ambient light)	-	Right Rear Door Module, white 20 pin plug, pin 5
Right Rear Door Trigger 2	Brown/Yellow (w/o ambient light)	-	VESCM above driver kick, black 73 pin plug, pin 48
Dome Light	Green	-	VESCM above driver kick, white 73 pin plug, pin 67
Trunk/Hatch Pin	White	-	VESCM above driver kick, black 73 pin plug, pin 52
Hood Pin	Brown/Blue	-	VESCM above driver kick, white 46 pin plug, pin 14
Trunk/Hatch Release	Violet/Blue	-	Driver Door Module, blue 32 pin plug, pin 23
Trunk-Hatch Release2	Black/Gray (rear handle switch)	-	VESCM above driver kick, black 73 pin plug, pin 32
Trunk Release Motor	Red/White	Reverse	VESCM above driver kick, black 73 pin plug, pin 9
Fuel Door Release	Green/White - Green/Black (lock/unlock)	Reverse	VESCM above driver kick, black 73 pin plug, pins 4 - 3
Tachometer	Blue/Gray	AC	Camshaft Position Sensor, engine driver side front, black 3 pin plug, pin 2
Fuel Pump	Red/Blue	+	Passenger Kick, red 17 pin plug, pin 15
Rear Defroster	White/Violet	- Latched	VESCM above driver kick, white 73 pin plug, pin 24
Mirror Defroster	(CAN)		
Left Front Heated Seat	(CAN)		
Right Front Heated Seat	(CAN)		
Speed Sense	(wheel speed sensor)		
Brake Wire	Black/Red	+	Driver Kick, blue 17 pin plug, pin 7
Brake Wire 2	Black/Red (alternate location)	+	VESCM above driver kick, white 73 pin plug, pin 58
Parking Brake	Violet/Green (EPB indicator)	-	Passenger Kick, red 17 pin plug, pin 8
Parking Brake 2	Violet/Green (alternate location)	-	Electric Parking Brake Switch, black 12 pin plug, pin 8
Horn Trigger	Red/Brown	-	VESCM above driver kick, white 46 pin plug, pin 24
Horn - Factory Alarm	(LIN)		
Wipers	(LIN)		

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Item	Wire Color	Polarity	Wire Location
All Windows Up-Down	(use factory alarm arm/disarm)		
Sun Roof (Open/Close)	(use factory alarm arm/disarm)		
Radio 12V	Red/Yellow	+	Radio in glove box, black 8 pin plug, pin 8
Radio Ground	Brown	-	Radio in glove box, black 8 pin plug, pin 7
Radio Ignition	(CAN)		
Factory Amp Turn-on	(MOST)		
Left Front Speaker (+/-)	Red/Green - Brown/Green	+,-	Radio in glove box, brown 8 pin plug, pins 3 - 7
Right Front Speaker (+/-)	Red - Brown/Red	+,-	Radio in glove box, brown 8 pin plug, pins 2 - 6
Left Rear Speaker (+/-)	Blue/White - Brown/White	+,-	Radio in glove box, brown 8 pin plug, pins 4 - 8
Right Rear Speaker (+/-)	Blue - Brown/Blue	+,-	Radio in glove box, brown 8 pin plug, pins 1 - 5
Center Channel (+/-)	Red/Blue - Brown/Blue	+,-	Radio in glove box, black 8 pin plug, pins 2 - 6
Subwoofer (+/-)	White/Gray - Blue/Gray	+,-	Radio in glove box, black 8 pin plug, pins 1 - 5
Left Front Speaker - With Amp	Red/Blue - White/Blue (low); Red/Green - White/Green (mid)	+,-	Amplifier under driver seat, black 38 pin plug, pins 8 - 7 (low); pins 12 - 11 (mid)
Right Front Speaker - With Amp	Red/Blue - Brown/Blue (low); Red/Green - Brown/Green (mid)	+,-	Amplifier under driver seat, black 38 pin plug, pins 9 - 10 (low); pins 14 - 13 (mid)
Left Front Tweeter - With Amp	Red - Brown/Red	+,-	Amplifier under driver seat, black 38 pin plug, pins 31 - 23
Right Front Tweeter - With Amp	Red - White/Red	+,-	Amplifier under driver seat, black 38 pin plug, pins 32 - 24
Left Rear Speaker - With Amp	Black/Blue - White/Blue	+,-	Amplifier under driver seat, black 38 pin plug, pins 4 - 5
Right Rear Speaker - With Amp	Black/Blue - Brown/Blue	+,-	Amplifier under driver seat, black 38 pin plug, pins 17 - 16
Left Rear Tweeter - With Amp	White/Red - Black/Red	+,-	Amplifier under driver seat, black 38 pin plug, pins 33 - 25
Right Rear Tweeter - With Amp	Brown/Red - Black/Red	+,-	Amplifier under driver seat, black 38 pin plug, pins 34 - 26

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Left Rear Surround - With Amp	White/Red - Blue/Red	+,-	Amplifier under driver seat, black 38 pin plug, pins 35 - 27
Right Rear Surround - With Amp	Gray/White - Green/White	+,-	Amplifier under driver seat, black 38 pin plug, pins 36 - 28
Center Channel - With Amp	Black/Yellow - Brown/Red	+,-	Amplifier under driver seat, black 38 pin plug, pins 15 - 3
Center Channel - With Amp 2	Red/Blue - Brown/Blue	+,-	Amplifier under driver seat, black 38 pin plug, pins 18 - 6
Subwoofer - With Amp	Blue/Gray - White/Gray (coil 1); Brown/White - Red/White (coil 2)	+,-	Amplifier under driver seat, black 38 pin plug, pins 20 - 19 (coil 1); pins 21 - 22 (coil 2)
Rearview Camera Video	(no color available) - Black (w/o peripheral camera)	+,-	Radio in glove box, blue 12 pin plug, pins 6 - 12

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***What Fits***

Item	Size	Depth	Location
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