



<http://www.directechs.com>

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Violet/Brown (40A)	+	BCM-Fuse Box in passenger kick, black 22 pin plug (J7-G), pin 22
Second 12 Volts	White/Red (30A)	+	Driver Kick, door harness
Ground	(chassis ground)		
Starter Kill	Brown	+	Near Underhood Fuse box, gray 16 pin plug (C139), pin 1
Starter	Green/White	+	Above Passenger Kick, gray 40 pin plug (C212), pin 2
Ignition Sense	Yellow/Gray	+	BCM-Fuse Box in passenger kick, gray 22 pin plug (J1-A), pin 4
PTS 1	Green/White	+	Push Button Start, gray 6 pin plug, pin 1
PTS 2	Yellow/Orange	-	Push Button Start, gray 6 pin plug, pin 6
PTS 3	Green/White (PTS 1 alternate)	+	BCM-Fuse Box in passenger kick, black 52 pin plug (J2-B), pin 51
PTS 4	Yellow/Orange (PTS 2 alternate)	-	BCM-Fuse Box in passenger kick, black 52 pin plug (J2-B), pin 5
CAN Bus High	Blue (HS1 CAN)	Data	BCM-Fuse Box in passenger kick, black 22 pin plug (J7-G), pin 10
CAN Bus Low	White (HS1 CAN)	Data	BCM-Fuse Box in passenger kick, black 22 pin plug (J7-G), pin 9
CAN Bus High 2	Gray/Orange (MS CAN)	Data	Driver Kick, gray 30 pin plug (C210), pin 13
CAN Bus Low 2	Violet/Orange (MS CAN)	Data	Driver Kick, gray 30 pin plug (C210), pin 14
CAN Bus High 3	White/Brown (DIAG CAN)	Data	OBD-Data Link Connector, black 16 pin plug, pin 6
CAN Bus Low 3	Gray/Yellow (DIAG CAN)	Data	OBD-Data Link Connector, black 16 pin plug, pin 14
CAN Bus High 4	Blue (HS1 CAN)	Data	Above Passenger Kick, gray 40 pin plug (C212), pin 31
CAN Bus Low 4	White (HS1 CAN)	Data	Above Passenger Kick, gray 40 pin plug (C212), pin 32

2024 Ford Mustang(SmartKey) - Requested by: ampire.de



<http://www.directechs.com>

Item	Wire Color	Polarity	Wire Location
OBD 12 Volts	Violet/Red (10A)	+	OBD-Data Link Connector, black 16 pin plug, pin 16
OBD Ground	Black/Gray	-	OBD-Data Link Connector, black 16 pin plug, pin 4
OBD Connector	Black		Under Driver Dash, Above Driver Kick
IMMO Antenna	Brown/Green - Yellow/Orange	RF	Inside Antenna in center console under armrest storage, black 4 pin plug, pins 1 - 2
IMMO Antenna 2	Brown/Green - Yellow/Orange	RF	BCM-Fuse Box in passenger kick, black 32 pin plug (J4-D), pins 31 - 14
Driver LF Antenna	Brown/Yellow	RF	Driver Kick, door harness, black 21 pin plug (C311A), pin 18
Driver LF Antenna 2	Brown/Yellow	RF	BCM-Fuse Box in passenger kick, black 32 pin plug (J4-D), pin 13
Driver Door Handle Switch	Green/Violet		Driver Kick, door harness, gray 21 pin plug (C311B), pin 15
Driver Door Handle Switch 2	Green/Violet		BCM-Fuse Box in passenger kick, black 32 pin plug (J4-D), pin 21
Passenger LF Antenna	Violet/White	RF	Passenger Kick, door harness, black 21 pin plug (C313A), pin 18
Passenger LF Antenna 2	Violet/White	RF	BCM-Fuse Box in passenger kick, black 32 pin plug (J4-D), pin 12
Passenger Door Handle Switch	White/Orange		Passenger Kick, door harness, gray 21 pin plug (C313B), pin 15
Passenger Door Handle Switch 2	White/Orange		BCM-Fuse Box in passenger kick, black 32 pin plug (J4-D), pin 5
Rear LF Antenna	Gray/Violet	RF	Passenger Kick, harness to rear
Rear LF Antenna 2	Gray/Violet	RF	BCM-Fuse Box in passenger kick, black 32 pin plug (J4-D), pin 16
Rear Handle Switch	Gray/Yellow	-	Passenger Kick, harness to rear
Rear Handle Switch 2	Gray/Yellow	-	BCM-Fuse Box in passenger kick, blue 52 pin plug (J5-E), pin 14

2024 Ford Mustang(SmartKey) - Requested by: amfire.de



Item	Wire Color	Polarity	Wire Location
Power Lock	Gray/Yellow (w/o memory)	-	Driver Kick, door harness --or-- BCM-Fuse Box in passenger kick, blue 52 pin plug (J5-E), pin 17
Power Unlock	Violet/Gray (w/o memory)	-	Driver Kick, door harness --or-- BCM-Fuse Box in passenger kick, blue 52 pin plug (J5-E), pin 4
Power Lock2	Gray/Yellow (with memory)	-	Driver Door Lock Switch, black 8 pin plug, pin 2
Power Unlock2	Violet/Gray (with memory)	-	Driver Door Lock Switch, black 8 pin plug, pin 1
Lock Motor	Gray/Brown	Reverse	Driver Kick, door harness --or-- BCM-Fuse Box in passenger kick, black 36 pin plug (J3-C), pin 35
Driver Unlock Motor	Blue/Green	Reverse	Driver Kick, door harness --or-- BCM-Fuse Box in passenger kick, black 36 pin plug (J3-C), pin 27
Passenger Unlock Motor	Brown/Green		BCM-Fuse Box in passenger kick, black 36 pin plug (J3-C), pin 32
Factory Alarm Arm	(arms on lock)		
Factory Alarm Disarm	(proximity key and push button)		
Parking Lights	Green/Orange (LF); Brown/Yellow (RF) (side markers)	+	BCM-Fuse Box in passenger kick, black 40 pin plug (J6-F), pin 30 (LF); pin 37 (RF)
Parking Lights 2	Gray/Yellow (LR); Brown/Yellow (RR)	+	BCM-Fuse Box in passenger kick, blue 52 pin plug (J5-E), pin 25 (LR); pin 51 (RR)
Parking Lights -	(LIN)		
Hazards	Brown/Yellow	-	BCM-Fuse Box in passenger kick, black 52 pin plug (J2-B), pin 19
Hazards 2	Brown/Yellow (alternate location)	-	Center Dash Switch Panel, gray 14 pin plug, pin 9
Turn Signal (Left)	(LF is CAN); White/Green (LR1); White/Violet (LR2); Gray/Brown (LR3)	+	BCM B in trunk right side, black 24 pin plug, pins 2, 3, 4 (LR)
Turn Signal (Right)	(RF is CAN); Gray/Violet (RR1); Brown (RR2); Violet/Orange (RR3)	+	BCM B in trunk right side, black 24 pin plug, pins 14, 15, 16 (RR)
Headlight	(LIN)		
AutoLights	(LIN)		

2024 Ford Mustang(SmartKey) - Requested by: amfire.de



<http://www.directechs.com>

Item	Wire Color	Polarity	Wire Location
Reverse Light	Green/Brown	+	BCM-Fuse Box in passenger kick, black 36 pin plug (J3-C), pin 11
Left Front Door Trigger	Green/Violet	- N.C.	Driver Kick, door harness
Left Front Door Trigger 2	Green/Violet (alternate location)	- N.C.	BCM-Fuse Box in passenger kick, blue 52 pin plug (J5-E), pin 33
Right Front Door Trigger	White	- N.C.	BCM-Fuse Box in passenger kick, blue 52 pin plug (J5-E), pin 21
Dome Light	Green/Violet	+	BCM-Fuse Box in passenger kick, black 36 pin plug (J3-C), pin 13
Trunk/Hatch Pin	Yellow/Orange	- N.C.	BCM-Fuse Box in passenger kick, blue 52 pin plug (J5-E), pin 34
Hood Pin	Blue/Orange	- N.C.	BCM-Fuse Box in passenger kick, black 40 pin plug (J6-F), pin 14
Trunk/Hatch Release	Brown	-	Headlight Switch, black 16 pin plug, pin 12
Trunk-Hatch Release2	Brown (alternate location)	-	BCM-Fuse Box in passenger kick, black 52 pin plug (J2-B), pin 1
Trunk Release Motor	Brown/Blue	+	BCM-Fuse Box in passenger kick, black 36 pin plug (J3-C), pin 33
Tachometer	Brown/Blue (2.3L)	AC	Camshaft Position Sensor, engine top front, black 3 pin plug, pin 3
Tachometer 2	Yellow/Blue (5.0L)	AC	Camshaft Position Sensor, engine driver side rear, black 3 pin plug, pin 3
Clutch Pedal	Blue/Orange	-	Inline harness below clutch switch, gray 6 pin plug (C269), pin 2
Clutch Pedal 2	Gray/Brown and Green/Blue	MUX	Inline harness below clutch switch, gray 6 pin plug (C269), pins 5, 4
Fuel Pump	Violet/Red	+	Driver Kick, white 14 pin plug (C265), pin 11
Rear Defroster	Yellow/Orange	+ Latched	Passenger Kick, black 20 pin plug (C3205), pin 11
Mirror Defroster	(same as rear defroster, w/o memory); (MS CAN, with memory)		
Left Front Heated Seat	(MS CAN)		

2024 Ford Mustang(SmartKey) - Requested by: amfire.de



<http://www.directechs.com>

Item	Wire Color	Polarity	Wire Location
Right Front Heated Seat	(MS CAN)		
Heated Steering Wheel	(MS CAN)		
Speed Sense	White/Brown (2.3L)	AC	PCM near underhood fuse box, black 103 pin plug (B), pin 90
Speed Sense 2	White/Brown (5.0L)	AC	PCM in passenger fender, black 90 pin plug (T), pin 71
Brake Wire	Gray/Orange	+	BCM-Fuse Box in passenger kick, gray 22 pin plug (J1-A), pin 1
Brake Wire 2	Gray/Orange (alternate location)	+	Above Passenger Kick, gray 40 pin plug (C212), pin 13
Parking Brake	(electric parking brake)		
Horn Trigger	Green/White	-	BCM-Fuse Box in passenger kick, black 52 pin plug (J2-B), pin 18
Horn Trigger 2	Green/White (alternate location)	-	Horn Switch-Clock Spring, gray 18 pin plug, pin 9
Horn - Factory Alarm	Violet/Green	-	BCM-Fuse Box in passenger kick, black 40 pin plug (J6-F), pin 20
Wipers	(LIN)		
Wipers Protection	Yellow/Blue (relay (-) trigger)	Cut	BCM-Fuse Box in passenger kick, black 40 pin plug (J6-F), pin 24
Left Front Window (Up/Down)	(motor is part of module); White/Blue (global open)	-	Driver Kick, door harness --or-- BCM B in trunk right side, black 24 pin plug, pin 10
Right Front Window (Up/Down)	(motor is part of module); Violet/Green (global open)	-	Passenger Kick, door harness --or-- BCM B in trunk right side, black 24 pin plug, pin 22
Left Rear Window (Up/Down)	(motor is part of module) (convertible)		
Right Rear Window (Up/Down)	(motor is part of module) (convertible)		
Convertible Top Open-Close	Blue/Orange - Green/Violet (function with ignition on only)	-	Passenger Kick, black 40 pin plug (C213), pins 7 - 6
Memory Seat 1	Violet/White	-	Driver Door Lock Switch, black 8 pin plug, pin 5
Memory Seat 2	Yellow	-	Driver Door Lock Switch, black 8 pin plug, pin 6

2024 Ford Mustang(SmartKey) - Requested by: amfire.de



<http://www.directechs.com>

Item	Wire Color	Polarity	Wire Location
Memory Seat 3	Blue/Orange	-	Driver Door Lock Switch, black 8 pin plug, pin 7
Radio 12V	Violet/Red	+	Radio behind Center Dash Switch Panel, black 32 pin plug, pin 1
Radio Ground	Black/Gray	-	Radio behind Center Dash Switch Panel, black 32 pin plug, pin 4
Radio Ignition	Green (delayed accessory)	+	Driver Kick, door harness --or-- BCM-Fuse Box in passenger kick, black 36 pin plug (J3-C), pin 30
Factory Amp Turn-on	Yellow/Violet (audio is A2B)	+	Radio behind Center Dash Switch Panel, gray 32 pin plug, pin 23
Left Front Speaker (+/-)	Blue - Gray/Brown	+,-	Radio behind Center Dash Switch Panel, black 32 pin plug, pins 8 - 7
Right Front Speaker (+/-)	Yellow/Orange - Green/Brown	+,-	Radio behind Center Dash Switch Panel, black 32 pin plug, pins 3 - 2
Left Rear Speaker (+/-)	Gray/Violet - Brown/Green	+,-	Radio behind Center Dash Switch Panel, black 32 pin plug, pins 6 - 5
Right Rear Speaker (+/-)	Green/Violet - Gray	+,-	Radio behind Center Dash Switch Panel, black 32 pin plug, pins 10 - 9
Left Front Speaker - With Amp	White - White/Brown (woofer); Green/Blue - Gray/Blue (midrange)	+,-	Amplifier in trunk left side, black 20 pin plug, pins 17 - 7; pins 20 - 10 (9 speaker); brown 20 pin plug, pins 13 - 3; pins 20 - 10 (12 speaker)
Right Front Speaker - With Amp	White/Violet - White/Orange (woofer); Violet/Gray - Yellow/Gray (midrange)	+,-	Amplifier in trunk left side, black 20 pin plug, pins 16 - 6; pins 19 - 9 (9 speaker); brown 20 pin plug, pins 14 - 4; pins 19 - 9 (12 speaker)
Left Front Tweeter - With Amp	Blue/Gray - Green/Brown	+,-	Radio behind Center Dash Switch Panel, black 32 pin plug, pins 6 - 5
Right Front Tweeter - With Amp	Green/Violet - White/Orange	+,-	Radio behind Center Dash Switch Panel, black 32 pin plug, pins 10 - 9
Left Rear Speaker - With Amp	White/Green - Brown/Yellow (9 speaker); Brown/White - Yellow/Green (12 speaker)	+,-	Amplifier in trunk left side, black 20 pin plug, pins 15 - 5 (9 speaker); black 8 pin plug, pins 6 - 2 (12 speaker)

2024 Ford Mustang(SmartKey) - Requested by: ampire.de



<http://www.directechs.com>

Item	Wire Color	Polarity	Wire Location
Right Rear Speaker - With Amp	Brown/White - Brown/Blue (9 speaker); Brown/Blue - Gray/Brown (12 speaker)	+, -	Amplifier in trunk left side, black 20 pin plug, pins 18 - 8 (9 speaker); brown 20 pin plug, pins 18 - 8 (12 speaker)
Center Channel - With Amp	Brown/Blue - White	+, -	Radio behind Center Dash Switch Panel, black 32 pin plug, pins 3 - 2
Subwoofer - With Amp	Violet/Orange - Yellow (coil 1); White/Brown - Violet/Orange (coil 2) (12 speaker)	+, -	Amplifier in trunk left side, brown 20 pin plug, pins 16 - 6 (coil 1); pins 15 - 5 (coil 2) (12 speaker)
Aux. Audio Input Left (+/-)	Blue - Gray/Orange (SYNC audio)	+, -	Radio behind Center Dash Switch Panel, gray 32 pin plug, pins 20 - 31
Aux. Audio Input Right (+/-)	Violet/Green - Brown/White (SYNC audio)	+, -	Radio behind Center Dash Switch Panel, gray 32 pin plug, pins 21 - 32
Rearview Camera Video	(COAX)		



<http://www.directechs.com>

What Fits

Item	Size	Depth	Location
------	------	-------	----------