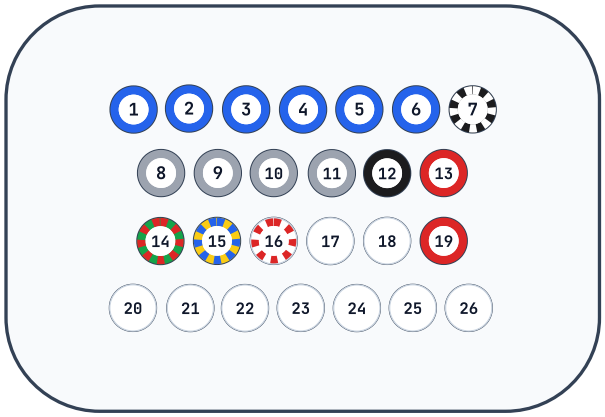
FuelTech FT550 LITE pinout

ecurecovery.com/pinouts/fueltech/ft550-lite · Every pin checked against at least two of 4 FuelTech documents · data checked 2026-11-04

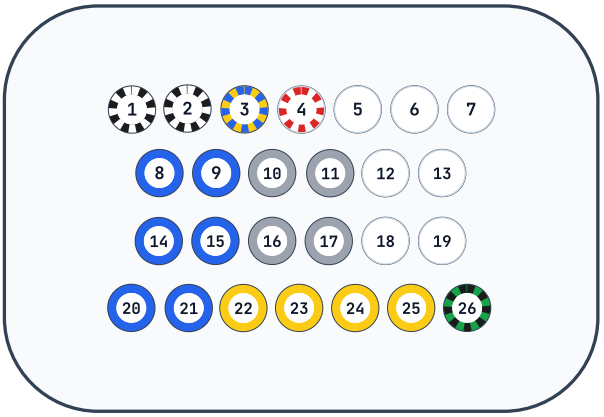
Connector A · 26-pin

AS DRAWN IN FUELTECH'S MANUAL (IT DOES NOT SAY FROM WHICH SIDE)



Connector B · 26-pin

AS DRAWN IN FUELTECH'S MANUAL (IT DOES NOT SAY FROM WHICH SIDE)



FuelTech FT550 LITE connector A pinout (26-pin)

Pin	Function	Wire	FuelTech note
A1	Blue output #1	Blue #1 Blue	These outputs are usually used for injector control. When needed, they can be configured as auxiliary outputs.
A2	Blue output #2	Blue #2 Blue	These outputs are usually used for injector control. When needed, they can be configured as auxiliary outputs.
A3	Blue output #3	Blue #3 Blue	These outputs are usually used for injector control. When needed, they can be configured as auxiliary outputs.
A4	Blue output #4	Blue #4 Blue	These outputs are usually used for injector control. When needed, they can be configured as auxiliary outputs.
A5	Blue output #5	Blue #5 Blue	These outputs are usually used for injector control. When needed, they can be configured as auxiliary outputs.
A6	Blue output #6	Blue #6 Blue	These outputs are usually used for injector control. When needed, they can be configured as auxiliary outputs.
A7	Power ground input	Black/white	Directly wired to the battery negative terminal with no seams. Do not tap any other grounds to this wire, it must run clean straight to the battery negative terminal.
A8	Gray output #1	Gray #1 Grey	These outputs are usually used for ignition control. When needed, they can be set up as injector outputs or auxiliary outputs.
A9	Gray output #2	Gray #2 Grey	These outputs are usually used for ignition control. When needed, they can be set up as injector outputs or auxiliary outputs.

Pin	Function	Wire	FuelTech note
A10	Gray output #3	Gray #3 Grey	These outputs are usually used for ignition control. When needed, they can be set up as injector outputs or auxiliary outputs.
A11	Gray output #4	Gray #4 Grey	These outputs are usually used for ignition control. When needed, they can be set up as injector outputs or auxiliary outputs.
A12	Battery negative input	Black	Connected directly to the battery negative with no seams. Do not connect this wire to the chassis, engine block or head.
A13	12V input from relay	Red	Connected to the pin 87 of the Main Relay
A14	5V outputs for sensors	Green/Red	5V voltage output for TPS, electronic throttle and pedal sensors
A15	CAN A (-)	Yellow/Blue	
A16	CAN A (+)	White/Red	
A17	CAM sync signal input	Shielded Cable (white) White Shielded	Connected to the cam sync sensor (hall or magnetic)
A18	Magnetic RPM sensor reference	Black Shielded Cable (White) White Shielded	Connected to the negative wire of the magnetic sensor. When OEM ECU is reading the sensor in parallel, split this wire with OEM sensor negative - Do not connect when using hall effect sensor.
A19	RPM signal input	Black Shielded Cable (Red) Red Shielded	Connected to the crank trigger sensor (hall or magnetic) or to the distributor. To VR sensors, use the shield wire the sensor shield. To Hall sensor, do not use the shield as negative
A20	Input #1	White #1 White	Sensors input
A21	Input #2	White #2 White	Sensors input
A22	Input #3	White #3 White	Sensors input
A23	Input #4	White #4 White	Sensors input
A24	Input #5	White #5 White	Sensors input
A25	Input #6	White #6 White	Sensors input
A26	Input #7	White #7 White	Sensors input

FuelTech FT550 LITE connector B pinout (26-pin)

Pin	Function	Wire	FuelTech note
B1	Power ground inputs	Black/White	Directly wired to the battery negative terminal with no seams. Do not tap any other grounds to this wire, it must run clean straight to the battery negative terminal.
B2	Power ground inputs	Black/White	Directly wired to the battery negative terminal with no seams. Do not tap any other grounds to this wire, it must run clean straight to the battery negative terminal.
B3	CAN B (-)	Yellow/Blue	
B4	CAN B (+)	White/Red	
B5	Input #8	White #8 White	Sensors input
B6	Input #9	White #9 White	Sensors input
B7	Input #10	White #10 White	Sensors input
B8	Blue output #7	Blue #7 Blue	These outputs are usually used for injector control. When needed, they can be configured as auxiliary outputs.
B9	Blue output #8	Blue #8 Blue	These outputs are usually used for injector control. When needed, they can be configured as auxiliary outputs.

Pin	Function	Wire	FuelTech note
B10	Gray output #5	Gray #5 Grey	These outputs are usually used for ignition control. When needed, they can be set up as injector outputs or auxiliary outputs.
B11	Gray output #6	Gray #6 Grey	These outputs are usually used for ignition control. When needed, they can be set up as injector outputs or auxiliary outputs.
B12	Input #11	White #11 White	Sensors input
B13	Input #12	White #12 White	Sensors input
B14	Blue output #9	Blue #9 Blue	These outputs are usually used for injector control. When needed, they can be configured as auxiliary outputs.
B15	Blue output #10	Blue #10 Blue	These outputs are usually used for injector control. When needed, they can be configured as auxiliary outputs.
B16	Gray output #7	Gray #7 Grey	These outputs are usually used for ignition control. When needed, they can be set up as injector outputs or auxiliary outputs. By standard, Gray output #8 is used as a tachometer output. (FT550)
B17	Gray output #8	Gray #8 Grey	These outputs are usually used for ignition control. When needed, they can be set up as injector outputs or auxiliary outputs. By standard, Gray output #8 is used as a tachometer output. (FT550)
B18	Input #13	White #13 White	Sensors input or Power Shift Input - Blue wire Strain gage sensor (positive)
B19	Input #14	White #14 White	Sensors input or Power Shift Input - Orange wire Strain gage sensor (negative)
B20	Blue output #11	Blue #11 Blue	These outputs are usually used for injector control. When needed, they can be configured as auxiliary outputs.
B21	Blue output #12	Blue #12 Blue	These outputs are usually used for injector control. When needed, they can be configured as auxiliary outputs.
B22	Yellow output #1	Yellow #1 Yellow	Electronic throttle and step motor outputs. Also used as injection or auxiliary outputs (cooling fan, fuel pump, etc.)
B23	Yellow output #2	Yellow #2 Yellow	Electronic throttle and step motor outputs. Also used as injection or auxiliary outputs (cooling fan, fuel pump, etc.)
B24	Yellow output #º3	Yellow #3 Yellow	Electronic throttle and step motor outputs. Also used as injection or auxiliary outputs (cooling fan, fuel pump, etc.)
B25	Yellow output #4	Yellow #4 Yellow	Electronic throttle and step motor outputs. Also used as injection or auxiliary outputs (cooling fan, fuel pump, etc.)
B26	Ground for sensors	Green/Black	Connected the sensors ground

Where this comes from

FuelTech FT450 / FT550 / FT550LITE / FT600 manual

FT450 / FT550 / FT550LITE / FT600 manual (Harness connections tables)

FuelTech 4 cylinder universal harness manual (written for the FT550: the same pins)

FT450/FT550 4 Cylinder Universal Harness manual (FuelTech's manual lists the FT550 and FT550 LITE pins in one table)

FuelTech 6 cylinder universal A harness manual (written for the FT550: the same pins)

FT450/FT550 6 Cylinder Universal A Harness manual (FuelTech's manual lists the FT550 and FT550 LITE pins in one table)

FuelTech Sportsman data logging A harness manual (written for the FT550: the same pins)

FT450/FT550 Sportsman Data logging A Harness manual (FuelTech's manual lists the FT550 and FT550 LITE pins in one table)

FuelTech PRO550 wiring harness manual (written for the FT550: the same pins)

PRO550 Wiring Harness manual (FuelTech's manual lists the FT550 and FT550 LITE pins in one table)