Holley HP EFI pinout

ecurecovery.com/pinouts/holley/hp-efi · Every pin checked against 2 Holley documents · data checked 2026-11-04

Connector J1A · 34-pin

Connector J1B · 26-pin

Holley's documents list the pins but do not draw the plug, so we do not draw it either.

Holley HP EFI connector J1A pinout (34-pin)

Pin	Function
A1	Coil - Input
A2	Fuel Pump Out (+12v) (10A Max)
A3	Input #2 (F52THG)
A4	Input #4 (F5G)
A5	TPS Input
A6	Points Trigger Output
A7	WB1 COMPR2
A8	WB1 Shield
A9	WB HTR -
A10	Switched +12v Input
A11	Manifold Air Temp Input
A12	Input #1 (F52THG)
A13	Input #3 (F5G)
A14	Cam/Crank Ground
A15	Gauge Digital Output
A16	WB1 COMPR1
A17	WB1 VS-/IP+
A18	Sensor Ground
A19	Engine Coolant Temp Input
A20	Oil Pressure Input
A21	Knock #2 Input
A22	Cam Sync Input / Ignition Bypass Output
A23	Map Sensor Input
A24	CAN Lo
A25	WB1 VS+
A26	Sensor +5v
A27	Not used
A28	EST/Spout Output
A29	Knock #1 Input
A30	Crank Speed Input
A31	Fuel Pressure Input
A32	CAN Hi
A33	WB1 IP+
A34	WB HTR +

Holley HP EFI connector J1B pinout (26-pin)

Pin	Function
B1	IAC A Lo

Pin	Function
B2	IAC A Hi
B3	Output #4 (G P-)
B4	Injector F Output
B5	Injector G Output
B6	Injector H Output
B7	Injector E Output
B8	IAC B Lo
B9	IAC B Hi
B10	Output #3 (G P-)
B11	Output #2 (H P+)
B12	Output #1 (H P+)
B13	Injector D Output
B14	EST Ground Output
B15	EST 2 Output (Cylinder #2)
B16	EST 4 Output (Cylinder #4)
B17	EST 6 Output (Cylinder #6)
B18	EST 8 Output (Cylinder #8)
B19	Injector A Output
B20	EST 12V Output
B21	EST 1 Output (Cylinder #1)
B22	EST 3 Output (Cylinder #3)
B23	EST 5 Output (Cylinder #5)
B24	EST 7 Output (Cylinder #7)
B25	Injector C Output
B26	Injector B Output

Where this comes from

Holley 199R10555 wiring manual (HP EFI and Dominator EFI)

Holley 199R10555 Wiring Manual & Diagrams, HP EFI and Dominator EFI systems (2.1 Pinout)

Holley 199R10837 EFI harness kit sheet (ECU pinout)

Holley 199R10837 EFI Harness Kit 558-503 / 558-504 / 558-508 (ECU Pinout: HP, Dominator, Terminator X, Terminator X Max)

Holley 558-400 auxiliary harness sheet (input / output types)

Holley 558-400 J1A/B Input/Output Auxiliary Harness sheet (input / output type per ECU pin)