

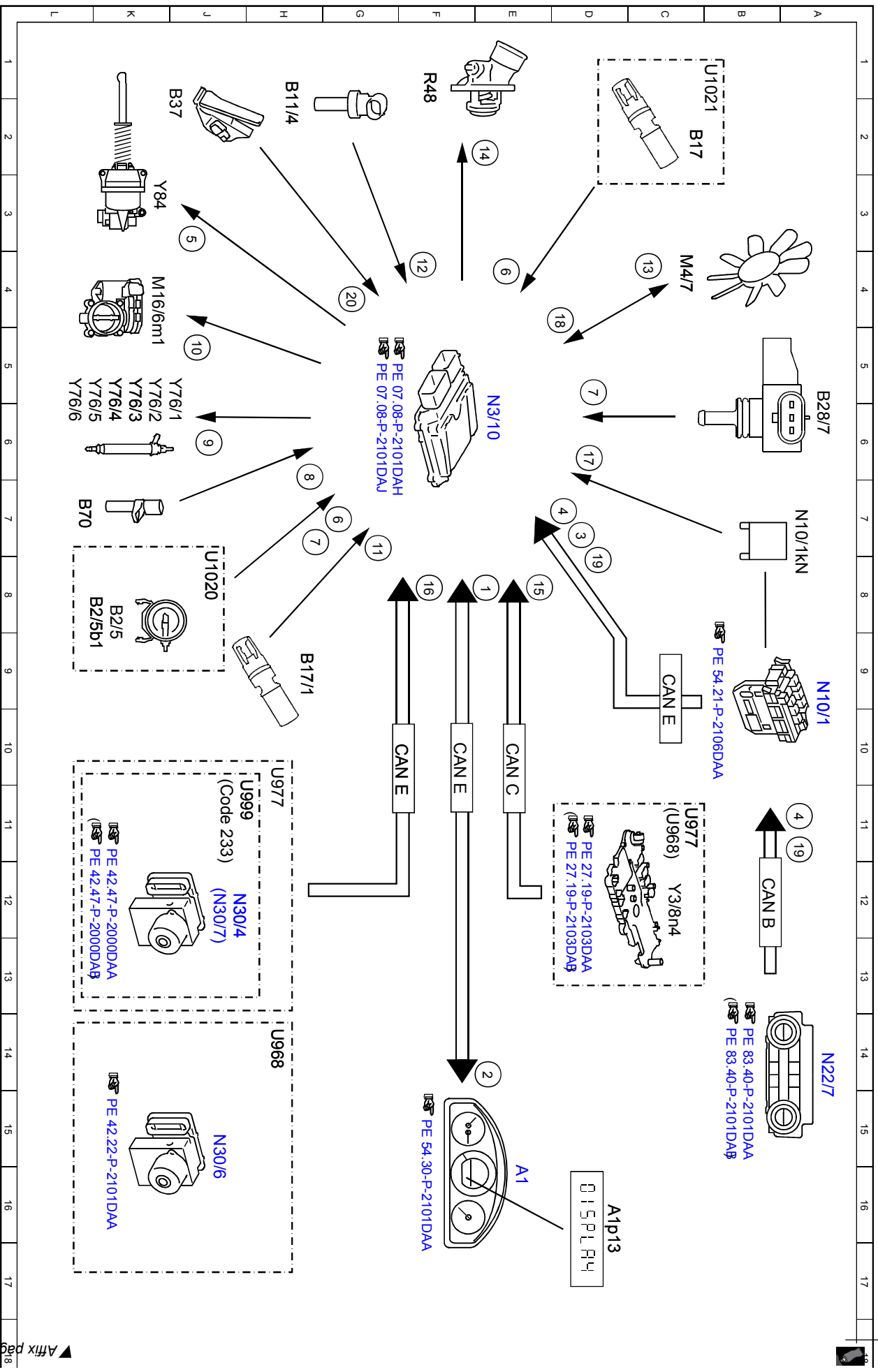
**Document number:** pe07\_10-p-2712-97dai  
**Document title:** Electrical function schematic for thermal management

<b>Code:</b>	<b>Designation:</b>	<b>Position:</b>
1	Vehicle speed, signal	8E
10	Throttle valve actuator actuator motor, actuation	5J
11	Intake manifold intake air temperature sensor, signal	7G
12	Coolant temperature sensor, signal	4F
13	Fan motor, specified rpm request	4C
14	Coolant thermostat heating element, actuation	2E
15	Transmission control, signal	8E
16	Wheel speed, signal	8F
17	Circuit 87, status	6D
18	Fan motor, status	4D
19	Fan motor, request	11A
19	Fan motor, request	7D
2	Instrument cluster, message	14E
20	Accelerator pedal sensor, signal	4G
3	Air conditioning, status	7D
4	Outside temperature, signal	7D
4	Outside temperature, signal	11A
5	Radiator shutters actuator, actuation	3J
6	Intake air temperature sensor, signal	7G
6	Intake air temperature sensor, signal	4E
7	Engine load, signal	7H
7	Engine load, signal	5D
8	Engine speed, signal	6H
9	Fuel injectors, actuation	6J
A1	Instrument cluster	16E
A1p13	Multifunction display	16D
B11/4	Coolant temperature sensor	1H
B17	Intake air temperature sensor	2C
B17/1	Intake manifold intake air temperature sensor	9H
B2/5	Hot film mass air flow sensor	8K
B2/5b1	Intake air temperature sensor	8L
B28/7	Pressure sensor downstream of throttle valve	5A
B37	Accelerator pedal sensor	1J
B70	Crankshaft Hall sensor	7L
CAN B	Interior CAN	12B
CAN C	Drive train CAN	10E
CAN E	Chassis CAN	10F
CAN E	Chassis CAN	10G
CAN E	Chassis CAN	9C

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<b>Code:</b>	<b>Designation:</b>	<b>Position:</b>
Code 233	DISTRONIC PLUS	10J
M16/6m1	Actuator motor	4K
M4/7	Combustion engine and air conditioning with integrated control fan motor	4C
N10/1	Front SAM control unit with fuse and relay module	9A
N10/1KN	Engine circuit 87 relay	7A
N22/7	Automatic air conditioning control and operating unit	14A
N3/10	ME-SFI [ME] control unit	6E
N30/4	Electronic Stability Program control unit	12J
N30/6	Regenerative braking system control unit	15J
N30/7	Premium Electronic Stability Program control unit	12J
R48	Coolant thermostat heating element	1F
U1020	Valid for gasoline engine with stratified operation	7J
U1021	Not valid for gasoline engine with stratified operation	1B
U968	Valid for mild hybrid drive	14H
U968	Valid for mild hybrid drive	11C
U977	Not valid for mild hybrid drive	10H
U977	Not valid for mild hybrid drive	11C
U999	Not valid with DISTRONIC PLUS	10J
Y3/8n4	Fully integrated transmission control control unit	12C
Y76/1	Cylinder 1 fuel injector	5K
Y76/2	Cylinder 2 fuel injector	5K
Y76/3	Cylinder 3 fuel injector	5K
Y76/4	Cylinder 4 fuel injector	5K
Y76/5	Cylinder 5 fuel injector	5L
Y76/6	Cylinder 6 fuel injector	5L
Y84	Radiator shutters actuator	3K



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