Revision history

Volvo GTT

TEA2+, EE Platform Management Team	Date: 2022-12-19	Registration Number	Issue: 0.4

Issue	Date	Sheet	Change description	Author
0.1	2022-05-02	All	First Version taken from P4285_DFS_P-Trucks_Cab_Climate_System. Added air-bleeding valve on HPCU. Changed HVIL pin numbers from 4/5 to 5/6 on EEAC according to , Ahamad Irshad (Consultant). Added Second chiller valve when Mega Charging is used.	K. Thander
0.2	2022-09-19	Cab Climate System page 1	Pin on CCM for second Chiller Shut of Valve changed from A1:12 to A2:10 on request from Marcel Paiva.	K. Thander
0.3	2022-11-22	Cab Climate System page 1	Ground wire to EACC removed on request from Simon Sandström, because of ground loop with case, to be addd later when redesign is done.	K. Thander
0.4	2022-12-19	Cab Climate System page 1	Air-bleeding valve, changed to connected to fuse in FRC acc. to Fredric Leroy.	K. Thander
0.x	xxx	xxx	xxx	xx

	CAN: Backbone 1		KEY SIGNAL	——Name of the wire	The wire power supply is shown in power distribution schematic		Cab Pass Through		
	CAN: Backbone 2		Multiplexed Bus						

Cab Climate System Page 1, Emob		Volvo GTT	
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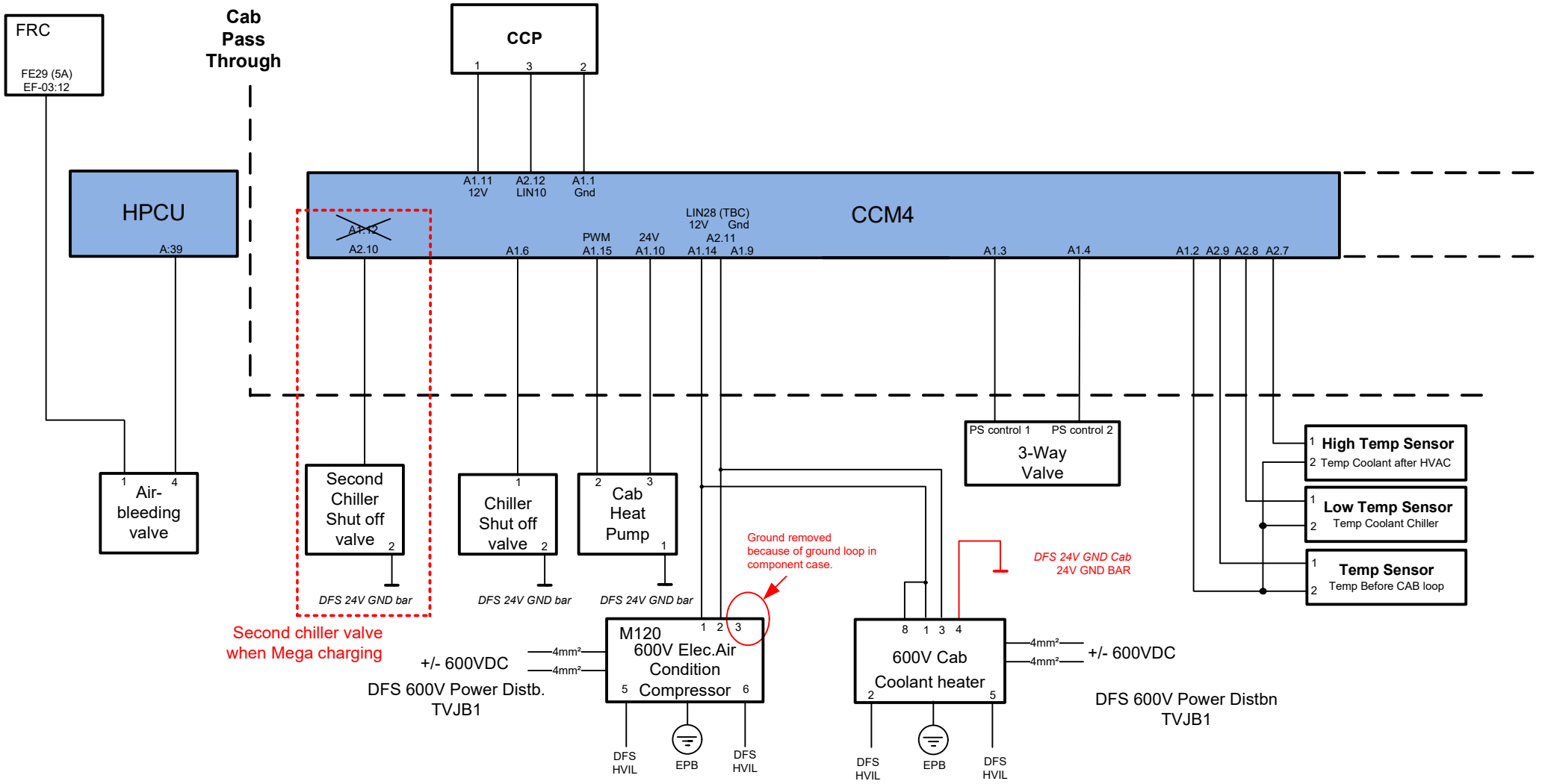
All wire dimensions to be 0,75 mm2, highest current level 2A.



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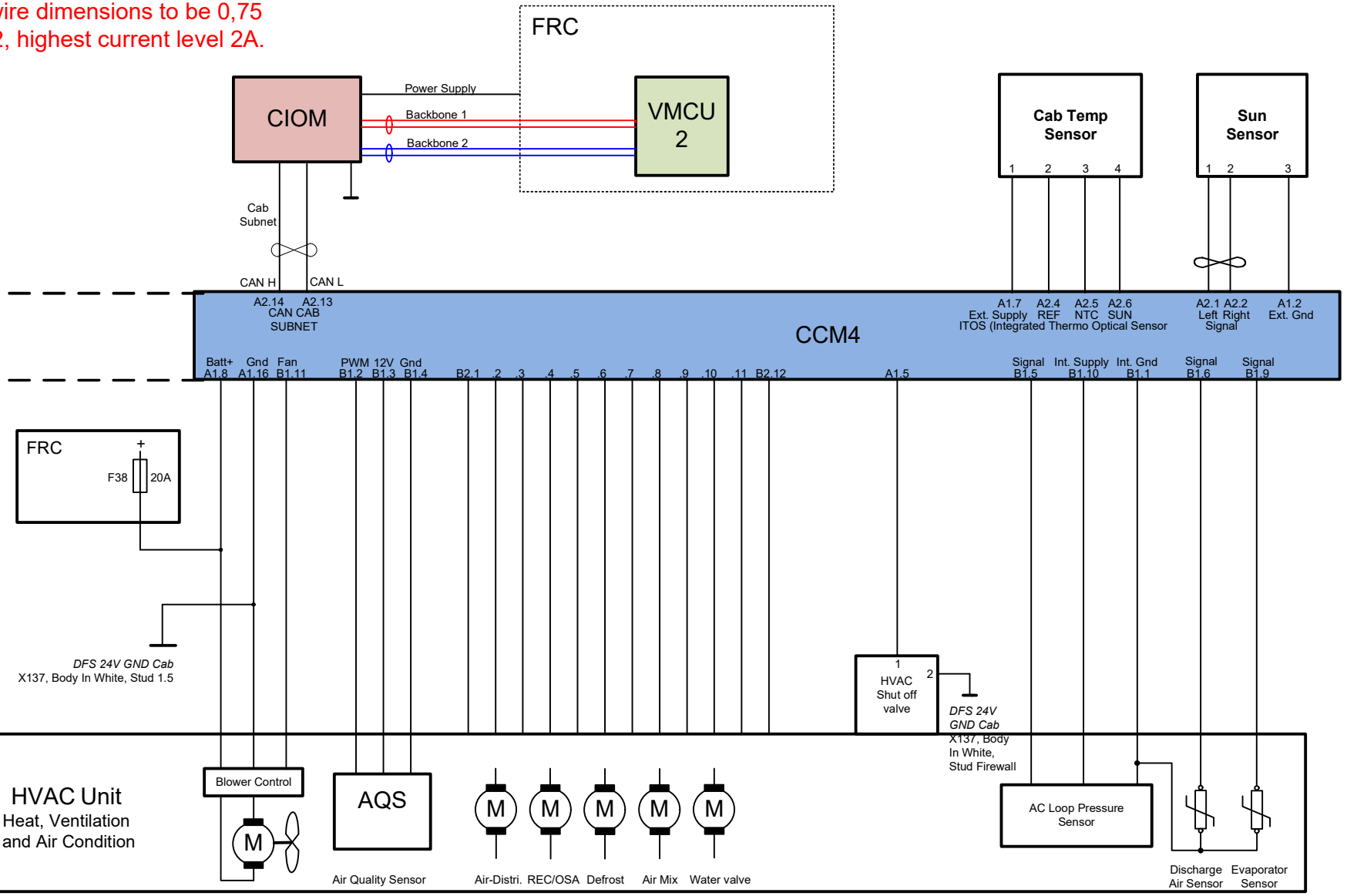

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Pin list CCM4

Function	Name	PCB 1 Connector
LIN10 ~~LIN1~~	LIN1_BUS	A2.12
	LIN1_GND	A1.1
	LIN1_12V	A1.11
LIN28 (TBC) ~~LIN2~~	LIN2_BUS	A2.11
	LIN2_GND	A1.9
	LIN2_12V	A1.14
CAN CAB SUB NET	CANH Cab Sub Net	A2.13
	CANL Cab Sub Net	A2.14
~~CAN Aux. Heater~~	~~CANH Aux Heater~~	~~A2.15~~
	~~CANL Aux Heater~~	~~A2.16~~
Sun Sensor	SUN_SENSOR_SIG_LEFT	A2.1
	SUN_SENSOR_SIG_RIGHT	A2.2
Air Quality Sensor	AQS_PWM	B1.2
	AQS_12V	B1.3
	AQS_GND	B1.4
Integrated Thermo Optical Sensor	ITOS_REF	A2.4
	ITOS_NTC	A2.5
	ITOS_SUN	A2.6
3-way Valve	3_WAY_VALE1_H1	A1.3
	3_WAY_VALE1_H2	A1.4
Cab Heat ~~Circulation~~ Pump	HEAT_CIRC_PUMP_PWM	A1.15
	HEAT_CIRC_PUMP_PWR	A1.10
Pressure sensor	PRES_SENS_SIG	B1.5

Discharge Sensors	DISCHARGE_SIG1	B1.6
Evaporation Sensors	EVAP_SIG1	B1.9
Supply	VBAT (K30)	A1.8
	ECU GND (K31)	A1.16
	SENSOR_SUPPLY_5V_EXT	A1.7
	SENSOR_SUPPLY_5V_INT	B1.10
	SENSOR_SUPPLY_GND_EXT	A1.2
	SENSOR_SUPPLY_GND_INT	B1.1
Matrix Actuators	Stepper motor 1&4 Pin 3	B2.9
	Stepper motor 1&4 Pin 4	B2.1
	Stepper motor 1&4 Pin 5	B2.3
	Stepper motor 1&4 Pin 6	B2.4
	Stepper motor 2&5 Pin 3	B2.6
	Stepper motor 2&5 Pin 4	B2.10
	Stepper motor 2&5 Pin 5	B2.7
	Stepper motor 2&5 Pin 6	B2.8
	Stepper motor 3&6 Pin 3	B2.2
	Stepper motor 3&6 Pin 4	B2.5
	Stepper motor 3&6 Pin 5	B2.11
	Stepper motor 3&6 Pin 6	B2.12
Supply Actuators	STEP_SUP1_24V	B1.8
	STEP_SUP2_24V	B1.7
Fan	FAN_ANALOGUE	B1.11
EMOB	TEMP COOLANT AFTER HVAC	A2.7
	TEMP COOLANT CHILLER	A2.8
	TEMP BEFORE CAB LOOP	A2.9
	HVAC SHUT OFF	A1.5
	CHILLER TXV SHUT OFF	A1.6

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