

## Revision history

## Volvo GTT

TEA2+ EE Platform Management Team

Date	2022-07-06
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Registration Number
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Issue	0.1
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Issue	Date	Sheet	Change description	Author
0.1	2022-04-28	All	First Version taken from P4285_DFS_P-Trucks_Valves_Pumps, PUCU1 replaced with 600V Coolant Pump1 found on TVS DFS topo and CAN EP4, HVIL MUC loop. Problem: +12V supply needed.	Krister Thander
0.2	xxx	xx	<u>xxxxxx</u>	xxxx

	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						

# Valves & Pumps

## Volvo GTT

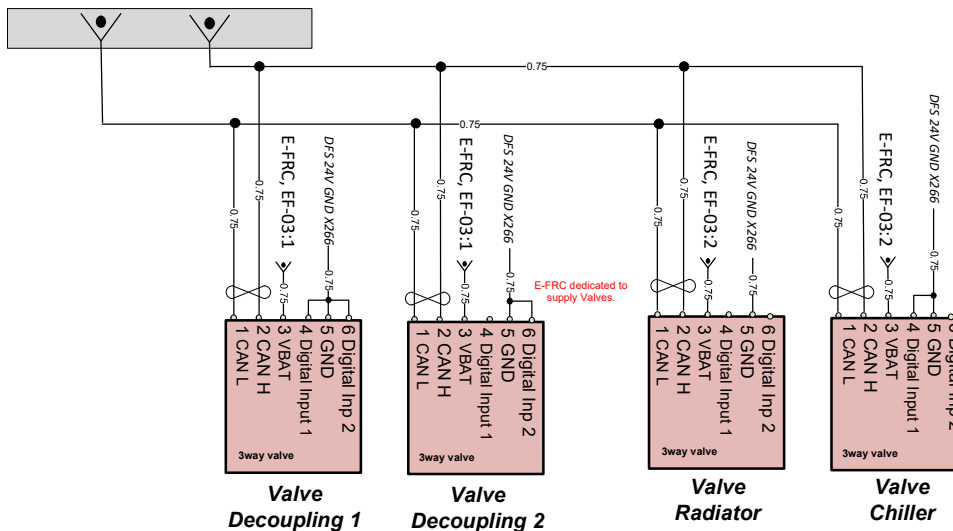
TEA2+ EE Platform Management Team

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CAN DFS e\_EP2\_4285



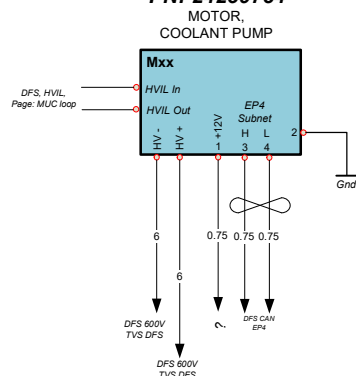
Valve	Current HPCU SW setup	Digital Input 1	Digital Input 2
TWV1 (D0)	Radiator	Disconnected	Disconnected
TWV2 (D1)	Chiller	Grounded	Disconnected
TWV3 (D2)	Decoup1	Grounded	Grounded
TWV4 (D3)	Decoup2	Disconnected	Grounded

PIN OUT:

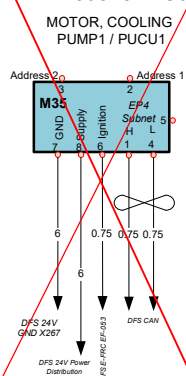
- CAN LOW
- CAN HIGH
- Vbat
- DIGITAL INPUT 1
- GROUND
- DIGITAL INPUT 2

PIN #	ASSIGNMENT	CONNECTOR VIEW
1	CAN low	
2	CAN high	
3	Vbat	
4	Digital Input 1	
5	GND	
6	Digital Input 2	

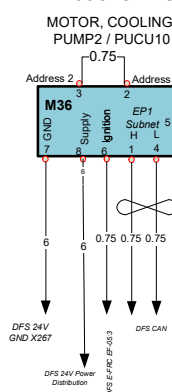
**Coolant Pump 1 (MDS)**  
PN: 24259784



**Coolant Pump EM**  
PN: 23981811 C01



**Coolant Pump Battery**  
PN: 23981811 C01



### 1 Node addresses

Pump#	NA1 Pin 2 set to	NA2 Pir 3 set to	PumpAddress = xx	Name	Comment
1	Open	Open	0xA8	PUCU1	
2	Open	B+	0xB6	PUCU2	
3	B+	Open	0xB8	PUCU3	
4	B+	B+	0xBE	PUCU4	
5	Open	B-	0xB7	PUCU5	
6	B-	Open	0xB9	PUCU6	
7	B-	B-	0xAA	PUCU7	
8	B+	B-	0xAB	PUCU8	
9	B-	B+	0xAC	PUCU9	
10	Pir 6 (NA2)	Pin 2 (NA1)	0xAD	PUCU10	
11	not possible	not possible	0xAE	PUCU11	Maximum 10 pumps

	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					