

Revision history	Volvo GTT		
TEA2+ EE Platform Management Team	Date 2022-07-06	Registration Number	Issue 0.1

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>xxxxx</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

Date

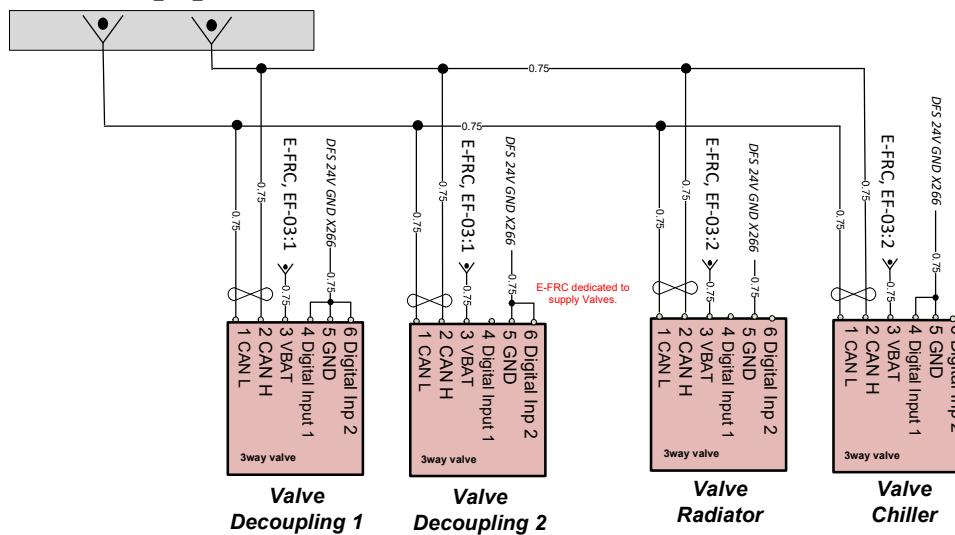
2022-07-06

Registration Number

Issue

0.1

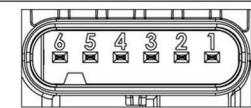
CAN DFS e_EP2_4285



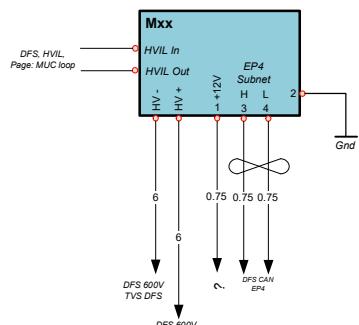
Valve	Current HPCU SW setup	Digital Input 1	Digital Input 2
TVV1 (D0)	Radiator	Disconnected	Disconnected
TVV2 (D1)	Chiller	Grounded	Disconnected
TVV3 (D2)	Decoupl	Grounded	Grounded
TVV4 (D3)	Decoupl2	Disconnected	Grounded

PIN OUT:
1. CAN LOW
2. CAN HIGH
3. Vbat
4. DIGITAL INPUT 1
5. GROUND
6. Digital Input 2

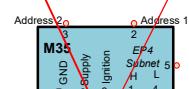
PIN #	ASSIGNMENT	CONNECTOR VIEW
1	CAN low	
2	CAN high	
3	Vbat	
4	Digital Input 1	
5	GND	
6	Digital Input 2	



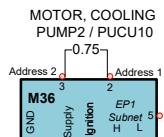
Coolant Pump 1 (MDS)
PN: 24259784
MOTOR, COOLANT PUMP



Coolant Pump EM
PN: 23981811 C01
MOTOR, COOLING PUMP1 / PUCU1



Coolant Pump Battery
PN: 23981811 C01
MOTOR, COOLING PUMP2 / PUCU10



1 Node addresses

Pump#	NA1	NA2	PumpAdress = xx	Name	Comment
1	Open	Open	0xA8	PUCU1	
2	Open	B+	0xB6	PUCU2	
3	B+	Open	0x88	PUCU3	
4	B+	B+	0xBE	PUCU4	
5	Open	B-	0xB7	PUCU5	
6	B-	Open	0x99	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					