

MULTIPLEX OUTPUT LIST

O_xx... = Physical Output Pin ; I_xx... = Physical Input Pin ; D_xx... = CAN Network Signal from the HVAC control Head ; B_xx... = Multiplex system global Network Variable

Module.Pin#	Signal name	Description	Page	Connected devices	Input involved		
A36.JA:13	O_EngineRun	Engine Run Signal	3.2		B_EngineRun	.	
					B_OneAltCharging	.	
					D_OnOffDrvSw	.	
					I_AccKeySw	A36.JB:6	3.2
					I_BatMonMod53	A53.J1:24	6.1
					I_BatMonMod54	A54.J1:24	6.1
					I_FrStrtEnSw	A53.J1:9	3.2
					I_IgnKeySw	A36.JB:2	3.2
					I_RrStrtEnSw	A53.J1:10	3.2
					A36.JA:15	O_WakeUp	WakeUp Relay
I_EntDorOpSw	A36.JB:15	29.1					
I_FireSensorA36	A36.JB:5	38.1					
I_FrStrtEnSw	A53.J1:9	3.2					
I_HazardSw	A36.JB:4	26.1					
I_IgnKeySw	A36.JB:2	3.2					
I_NeutralSe	A50.J1:11	3.2					
I_ParkBrSe	A36.JB:9	12.1					
I_RrCutOutSw	A36.JB:21	3.2					
I_RrStrtEnSw	A53.J1:10	3.2					
I_WCLLoDorSe	A53.J1:12	36.1					
I_WCLPlungSw	A49.J1:4	36.1					
I_WCLSmallLowDor	A49.J1:17	36.1					
I_WclSw	A42.J1:6	36.1					
A36.JA:24	O_CutOutRel	Emergency CutOut Relay	3.2	R21:+	I_FireExt2ndAlm	A44.J1:10	38.1
A41.J1:12	O_HillStSolNeg		32.1	So16:1	I_IgnKeySw	A36.JB:2	3.2
					I_BrkLtSeFrSig	A36.JB:13	12.1
					I_BrkLtSeRrSig	A51.J1:10	12.1
					I_InvalidSw	A45.J1:11	15.2
					I_ParkBrSe	A36.JB:9	12.1
A41.J1:13	O_NextStopSign		22.2C		I_ChimeWcl	A52.J1:10	22.2
					I_EntDorClInSw	A36.JB:10	29.1
					I_IgnKeySw	A36.JB:2	3.2
					I_NextStop	A42.J1:9	22.2C
A41.J1:14	O_KneeDwSol	Kneeling Down Solenoid	32.1	So16:2	I_EntDorClSe	A47.J1:10	29.1
					I_IgnKeySw	A36.JB:2	3.2
					I_KneeDwSw	A41.J1:7	32.1
					I_KneeLevelSe	A46.J1:13	32.1
					I_KneeUpSw	A41.J1:6	32.1
					I_NeutralSe	A50.J1:11	3.2
					I_ParkBrSe	A36.JB:9	12.1
					I_WCLLoDorSe	A53.J1:12	36.1
I_WCLSmallLowDor	A49.J1:17	36.1					

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A41.J1:14	O_KneeDwSol	Kneeling Down Solenoid	32.1	So16:2	I_WclSw	A42.J1:6	36.1
A41.J1:16	O_ReHiBoySolRtn	Rear Hi Buoy Solenoid Return	32.1	So14:1	I_IgnKeySw	A36.JB:2	3.2
					I_KneeLevelSe	A46.J1:13	32.1
					I_KneeUpSw	A41.J1:6	32.1
A42.J1:11	O_BrakeApply		12.1	So55.A:2	I_AuxByPassSw	A42.J1:10	12.1
					I_BrakIntrlk	A45.J1:13	12.1
					I_BrakPresDriver	A45.J1:14	12.1
					I_EntDorClInSw	A36.JB:10	29.1
					I_EntDorClOutSw	A36.JB:17	29.1
					I_EntDorClSe	A47.J1:10	29.1
					I_EntDorOpSw	A36.JB:15	29.1
					I_IgnKeySw	A36.JB:2	3.2
					I_IntDorOpSw	A41.J1:9	29.1
					I_MasterSwIntlk	A36.JB:16	29.1
					I_ParkBrSe	A36.JB:9	12.1
A42.J1:12	O_ParkBrSolNeg	Park Brake Solenoid Return	32.1		I_IgnKeySw	A36.JB:2	3.2
A42.J1:15	O_BrakeApplyNeg		15.2		I_AuxByPassSw	A42.J1:10	12.1
					I_BrakIntrlk	A45.J1:13	12.1
					I_BrakPresDriver	A45.J1:14	12.1
					I_EntDorClInSw	A36.JB:10	29.1
					I_EntDorClOutSw	A36.JB:17	29.1
					I_EntDorClSe	A47.J1:10	29.1
					I_EntDorOpSw	A36.JB:15	29.1
					I_IgnKeySw	A36.JB:2	3.2
					I_IntDorOpSw	A41.J1:9	29.1
					I_MasterSwIntlk	A36.JB:16	29.1
					I_ParkBrSe	A36.JB:9	12.1
A43.J1:11	O_Gong_NextStop		22.2C		I_ChimeWcl	A52.J1:10	22.2
					I_IgnKeySw	A36.JB:2	3.2
					I_NextStop	A42.J1:9	22.2C
A43.J1:13	O_HornSol	Electric Horn	9.2	L1A:1	I_HornSelectSw	A43.J1:7	9.2
					I_HornSw	A45.J1:10	9.1
A43.J1:15	O_Alt	Alternator	10.1	A14A.C:7	B_EngineRun	.	
					B_OneAltCharging	.	
					I_Alt1Voltage	A49.J1:8	3.2
					I_IgnKeySw	A36.JB:2	3.2
A43.J1:16	O_BrkRedCompat	Brake Redundant Compatible	41.1		I_BrkLtSeFrSig	A36.JB:13	12.1
					I_BrkLtSeRrSig	A51.J1:10	12.1
A43.J1:30	O_StepLed		29.1	L20A:1	I_EntDorClSe	A47.J1:10	29.1
A44.J1:1	O_DashTrapPMo	Dash Trap Motor	18.1	Mo3:1	D_AirFlapBit0	.	
					D_AirFlapBit1	.	
					D_AirFlapBit2	.	
					I_IgnKeySw	A36.JB:2	3.2

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A44.J1:2	O_DashTrapNMo	Dash Trap Motor Return	18.1	Mo3:3	D_AirFlapBit0	.	
					D_AirFlapBit1	.	
					D_AirFlapBit2	.	
					I_IgnKeySw	A36.JB:2	3.2
A44.J1:20	O_BackUpMon	Backup Monitor Signal	28.1		B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					B_TstModHvacNext	.	
A44.J1:3	O_DriverLtLb	Driver Light Bulb	19.1	L16:1	B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					I_AccKeySw	A36.JB:6	3.2
					I_DrvLtSw	A55.J1:5	19.1
					I_IgnKeySw	A36.JB:2	3.2
A44.J1:4	O_EnDoorSwLb		29.1		I_HdLtPos1Sw	A43.J1:4	26.1
A44.J1:5	O_EntDorLtLb	Entrance Door Light Bulb	29.1	L17:1	B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					I_EntDorCISe	A47.J1:10	29.1
A44.J1:6	O_HillStartSol	Hill Start Assist	15.2		I_BrkLtSeFrSig	A36.JB:13	12.1
					I_BrkLtSeRrSig	A51.J1:10	12.1
					I_IdleValidSw	A45.J1:11	15.2
					I_IgnKeySw	A36.JB:2	3.2
					I_ParkBrSe	A36.JB:9	12.1
A44.J1:7	O_DashBackLit	Dash BackLighting	19.1	Pot1.C:1	I_HdLtPos1Sw	A43.J1:4	26.1
A44.J1:8	O_FrClearLb	Front Clearance Lights Bulb	26.1		B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_FogLightSw	A55.J1:6	26.5
					I_HdLtPos1Sw	A43.J1:4	26.1
					I_HdLtPos2SwLH	A45.J1:12	26.1
					I_ParkBrSe	A36.JB:9	12.1
A45.J1:1	O_FootTrpPSol	Foot Trap Solenoid	18.1	Mo4:A	D_AirFlapBit0	.	
					D_AirFlapBit1	.	
					D_AirFlapBit2	.	
					I_IgnKeySw	A36.JB:2	3.2
A45.J1:2	O_FootTrpNSol	Foot Trap Solenoid	18.1	Mo4:B	D_AirFlapBit0	.	
					D_AirFlapBit1	.	
					D_AirFlapBit2	.	
					I_IgnKeySw	A36.JB:2	3.2
A45.J1:20	O_HornElectric	Horn Electric	9.1		I_FireExt1stAl	A36.JB:23	38.1

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A45.J1:20	O_HornElectric	Horn Electric	9.1		I_FireExt2ndAlm	A44.J1:10	38.1
					I_FireSensorA36	A36.JB:5	38.1
					I_HornSelectSw	A43.J1:7	9.2
					I_HornSw	A45.J1:10	9.1
					I_IgnKeySw	A36.JB:2	3.2
A45.J1:21	O_LHFrMkrLb	Left Hand Front Markers Light Bulb	26.1		B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_FogLightSw	A55.J1:6	26.5
					I_HdLtPos1Sw	A43.J1:4	26.1
					I_HdLtPos2SwLH	A45.J1:12	26.1
I_ParkBrSe	A36.JB:9	12.1					
A45.J1:3	O_LHFrFlshLb	Left Hand Front Flasher Light Bulb	26.1		B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					B_TstModHvac	.	
					B_TstModHvacNext	.	
					I_HazardSw	A36.JB:4	26.1
					I_LHFFlshSw	A45.J1:9	26.1
I_LHFFlshSwRrSig	A51.J1:9	26.2					
I_RHFFlshSwRrSig	A51.J1:12	26.2					
A45.J1:4	O_LHFogLb	Left Hand Fog Light Bulb	26.5	L95:A	B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_FogLightSw	A55.J1:6	26.5
					I_HdLthiLowBmSw	A43.J1:8	26.1
					I_HdLtPos2SwLH	A45.J1:12	26.1
I_ParkBrSe	A36.JB:9	12.1					
A45.J1:5	O_LHCornerLmpX3		26.5	L97.B:1	B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_CorneringLtSw	A55.J1:8	26.5
					I_LHFFlshSw	A45.J1:9	26.1
A45.J1:6	O_LHHiBmLb	Left Hand Hi Beam Light Bulb	26.1	L60B:1	I_ParkBrSe	A36.JB:9	12.1
					B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
I_HdLtPos2SwLH	A45.J1:12	26.1					

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A45.J1:6	O_LHHiBmLb	Left Hand Hi Beam Light Bulb	26.1	L60B:1	I_ParkBrSe	A36.JB:9	12.1
A45.J1:7	O_LHLwBmLb	Left Hand Low Beam Light Bulb	26.1	L60:1	B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_HdLtPos2SwLH	A45.J1:12	26.1
					I_ParkBrSe	A36.JB:9	12.1
A46.J1:1	O_UpDefHeater1	Upper Defroster Heater #1	18.4	Mo5:3	B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					D_OnOffDrvSw	.	
A46.J1:2	O_UpDefHeater2	Upper Defroster Heater #2	18.4	Mo5:2	B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					D_OnOffDrvSw	.	
A46.J1:21	O_HeadLmpWsh		34.1		I_HeadLmpWshSw	A55.J1:19	34.1
A46.J1:3	O_LwWshPmp	Lower Wiper Washer Pump	34.1		B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					I_LwWshSwRetro	A46.J1:9	34.1
A46.J1:4	O_AisleLb	Aisle and Emergency Lamps	20.1		B_EngineRun	.	
					B_LowVoltage	.	
					B_OneAltCharging	.	
					I_HdLtPos1Sw	A43.J1:4	26.1
A46.J1:5	O_DrvRfgSol	Driver refrigerent solenoid	18.1		B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					D_OnOffDrvSw	.	
					I_AcPresHiSse	A52.J1:13	18.2
					I_AcPresLoSse	A52.J1:14	18.2
A46.J1:6	O_DrvHeatSol	Driver Heat Solenoid	18.1	So8:1	B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_AirFlapBit0	.	
					D_AirFlapBit1	.	

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A46.J1:6	O_DrvHeatSol	Driver Heat Solenoid	18.1	So8:1	D_AirFlapBit2	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					D_DriverSetPts	.	
					D_DrvFnSpdBit0	.	
					D_DrvFnSpdBit1	.	
					D_DrvFnSpdBit2	.	
					D_OnOffDrvSw	.	
					D_OnOffPassSw	.	
					D_PassSetPts	.	
					I_BatMonMod46	A46.J1:24	6.1
					I_BatMonMod54	A54.J1:24	6.1
					I_DrvTempSe	A55.J1:1	18.1
A46.J1:7	O_IVN_WCL		18.4		I_FireExt1stAl	A36.JB:23	38.1
					I_FireExt2ndAlm	A44.J1:10	38.1
					I_FireSensorA36	A36.JB:5	38.1
					I_NeutralSe	A50.J1:11	3.2
					I_ParkBrSe	A36.JB:9	12.1
A47.J1:1	O_DrvDefFanMo	Driver Defroster Fan Motor	18.1	A24.B:B	I_WCLPlungSw	A49.J1:4	36.1
					I_WclSw	A42.J1:6	36.1
					B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
A47.J1:20	O_UdrFlrLb	Under Floor Light Bulb	25.2		D_DrvFnSpdBit0	.	
					D_DrvFnSpdBit1	.	
					D_DrvFnSpdBit2	.	
					D_OnOffDrvSw	.	
					I_BatMonMod47	A47.J1:24	6.1
A47.J1:3	O_LwWipSpd1	Lower Wiper Speed 1	34.1	R23:86	I_IgnKeySw	A36.JB:2	3.2
					B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					I_LwWipIntSwRetr	A42.J1:8	34.1
A47.J1:4	O_DrvRecTrap	Driver Recycle Trap	18.1		I_LwWshSwRetro	A46.J1:9	34.1
					B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_RecSw	.	

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A47.J1:4	O_DrvRecTrap	Driver Recycle Trap	18.1		I_BrakIntrlk	A45.J1:13	12.1
					I_EntDorClnSw	A36.JB:10	29.1
					I_EntDorCLOutSw	A36.JB:17	29.1
					I_EntDorCISe	A47.J1:10	29.1
					I_EntDorOpSw	A36.JB:15	29.1
					I_IntDorOpSw	A41.J1:9	29.1
					I_MasterSwIntlk	A36.JB:16	29.1
A47.J1:5	O_EntDorStpLb	Entrance Door Step Light Bulb	29.1		I_EntDorCISe	A47.J1:10	29.1
A47.J1:6	O_EntDorCIsol	Entrance Door Close Solenoid Valve	29.1	So6:2	I_BrakIntrlk	A45.J1:13	12.1
					I_EntDorClnSw	A36.JB:10	29.1
					I_EntDorCLOutSw	A36.JB:17	29.1
					I_EntDorCISe	A47.J1:10	29.1
					I_EntDorOpSw	A36.JB:15	29.1
					I_IgnKeySw	A36.JB:2	3.2
					I_IntDorOpSw	A41.J1:9	29.1
					I_MasterSwIntlk	A36.JB:16	29.1
					I_ParkBrSe	A36.JB:9	12.1
A47.J1:7	O_EntDorOpSol	Entrance Door Open Solenoid Valve	29.1		I_BrakIntrlk	A45.J1:13	12.1
					I_EntDorClnSw	A36.JB:10	29.1
					I_EntDorCLOutSw	A36.JB:17	29.1
					I_EntDorCISe	A47.J1:10	29.1
					I_EntDorOpSw	A36.JB:15	29.1
					I_IgnKeySw	A36.JB:2	3.2
					I_IntDorOpSw	A41.J1:9	29.1
					I_MasterSwIntlk	A36.JB:16	29.1
					I_ParkBrSe	A36.JB:9	12.1
A47.J1:8	O_EntDorULkSo	Entrance Door UnLock Solenoid Valve	29.1		I_BrakIntrlk	A45.J1:13	12.1
					I_EntDorClnSw	A36.JB:10	29.1
					I_EntDorCLOutSw	A36.JB:17	29.1
					I_EntDorCISe	A47.J1:10	29.1
					I_EntDorOpSw	A36.JB:15	29.1
					I_IgnKeySw	A36.JB:2	3.2
					I_IntDorOpSw	A41.J1:9	29.1
					I_MasterSwIntlk	A36.JB:16	29.1
					I_ParkBrSe	A36.JB:9	12.1
A48.J1:20	O_RHFrSidFlshLb	RH Front Side Flasher L-Bulb	26.1	L64:1	B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					B_TstModHvac	.	
					B_TstModHvacNext	.	
					I_EntDorCISe	A47.J1:10	29.1
					I_HazardSw	A36.JB:4	26.1

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A48.J1:20	O_RHFrSidFishLb	RH Front Side Flasher L-Bulb	26.1	L64:1	I_KneeDwSw	A41.J1:7	32.1
					I_KneeLevelSe	A46.J1:13	32.1
					I_KneeUpSw	A41.J1:6	32.1
					I_LHFishSwRrSig	A51.J1:9	26.2
					I_NeutralSe	A50.J1:11	3.2
					I_RHFlashSw	A48.J1:12	26.1
					I_RHFlashSwRrSig	A51.J1:12	26.2
					I_WCLLoDorSe	A53.J1:12	36.1
					I_WCLSmallLowDor	A49.J1:17	36.1
					I_WclSw	A42.J1:6	36.1
A48.J1:3	O_RHHiBeamLb	Right Hand Hi Beam Light Bulb	26.1	L59B:1	B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_HdLtPos2SwLH	A45.J1:12	26.1
					I_ParkBrSe	A36.JB:9	12.1
A48.J1:4	O_RHLwBeamLb	Right Hand Low Beam Light Bulb	26.1	L59:1	B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_HdLtPos2SwRH	A48.J1:10	26.1
					I_ParkBrSe	A36.JB:9	12.1
A48.J1:5	O_RHCornerLmpX3		26.5	L98.B:1	B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_CorneringLtSw	A55.J1:8	26.5
					I_ParkBrSe	A36.JB:9	12.1
A48.J1:6	O_RHFrFishLb	Right Hand Front Flasher Light Bulb	26.1		B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					B_TstModHvac	.	
					B_TstModHvacNext	.	
					I_HazardSw	A36.JB:4	26.1
					I_LHFishSwRrSig	A51.J1:9	26.2
					I_RHFlashSw	A48.J1:12	26.1
					I_RHFlashSwRrSig	A51.J1:12	26.2
A48.J1:7	O_RHFrMrkLb	Right Hand Front Markers Light Bulb	26.1		B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	

MULTIPLEX OUTPUT LIST

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Module.Pin#	Signal name	Description	Page	Connected devices	Input involved		
A48.J1:7	O_RHFrMrkLb	Right Hand Front Markers Light Bulb	26.1		I_FogLightSw	A55.J1:6	26.5
					I_HdLtPos1Sw	A43.J1:4	26.1
					I_HdLtPos2SwLH	A45.J1:12	26.1
					I_ParkBrSe	A36.JB:9	12.1
A48.J1:8	O_RHFogLb	Right Hand Fog Light	26.5	L96:A	B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_FogLightSw	A55.J1:6	26.5
					I_HdLTHiLowBmSw	A43.J1:8	26.1
					I_HdLtPos2SwLH	A45.J1:12	26.1
I_ParkBrSe	A36.JB:9	12.1					
A49.J1:11	O_DirLtsRel	Interior Light Direct relay	24.1	R6:86	B_EngineRun	.	
					B_LowVoltage	.	
					B_OneAltCharging	.	
					I_AccKeySw	A36.JB:6	3.2
					I_IgnKeySw	A36.JB:2	3.2
A49.J1:12	O_IndirLtsRel	Interior Lights Indirect Relay	23.1	R13:86	B_EngineRun	.	
					B_LowVoltage	.	
					B_OneAltCharging	.	
					I_AccKeySw	A36.JB:6	3.2
					I_IgnKeySw	A36.JB:2	3.2
A49.J1:13	O_EmergencyLt	Emergency Lights	20.1	R15:86	B_EngineRun	.	
					B_LowVoltage	.	
					B_OneAltCharging	.	
					I_HdLtPos1Sw	A43.J1:4	26.1
A49.J1:14	O_RetardEna	Retarder Enable	12.1		I_IgnKeySw	A36.JB:2	3.2
					I_RetarderSel	A55.J1:10	12.1
A49.J1:15	O_ReadLtsRel	Passenger Reading Light Relay	22.1	R14:86	B_EngineRun	.	
					B_LowVoltage	.	
					B_OneAltCharging	.	
					I_AccKeySw	A36.JB:6	3.2
					I_IgnKeySw	A36.JB:2	3.2
A49.J1:16	O_CndSpd2Rel	Condensor Fan Speed 2 Relay	18.2		I_ReadLtsSw	A41.J1:10	22.1
					B_BatterySaver	.	
					B_EngineRun	.	
					B_LowVoltage	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
D_OnOffPassSw	.						
D_PassSetPts	.						

MULTIPLEX OUTPUT LIST

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Module.Pin#	Signal name	Description	Page	Connected devices	Input involved		
A49.J1:16	O_CndSpd2Rel	Condensor Fan Speed 2 Relay	18.2		I_AcPresHiSse	A52.J1:13	18.2
					I_AcPresLoSse	A52.J1:14	18.2
					I_BatMonMod53	A53.J1:24	6.1
					I_FireExt1stAl	A36.JB:23	38.1
					I_FireExt2ndAlm	A44.J1:10	38.1
					I_FireSensorA36	A36.JB:5	38.1
A49.J1:30	O_TagAxlValve	Tag Axle Valve	32.1		I_IgnKeySw	A36.JB:2	3.2
					I_TagPitManSW	A43.J1:6	32.1
					I_TgAxlSw	A43.J1:19	32.1
A50.J1:1	O_WCLSDoorLb		36.1		I_ParkBrSe	A36.JB:9	12.1
A50.J1:2	O_TransInhibit	Transmission Inhibit	15.1	A1:1	I_WCLPlungSw	A49.J1:4	36.1
					I_BrkLtSeFrSig	A36.JB:13	12.1
					I_BrkLtSeRrSig	A51.J1:10	12.1
					I_NeutralSe	A50.J1:11	3.2
					I_ParkBrSe	A36.JB:9	12.1
					I_WCLLoDorSe	A53.J1:12	36.1
					I_WCLPlungSw	A49.J1:4	36.1
					I_WCLSmallLowDor	A49.J1:17	36.1
A50.J1:20	O_BackUpAlrm		26.3	L187:A	I_WclSw	A42.J1:6	36.1
					B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TestSwBuz2	.	
					B_TestSwBuzzer	.	
					B_TstModExtLight	.	
					B_TstModHvac	.	
					B_TstModHvacNext	.	
					B_TstSwBuz3	.	
					D_NextWheel	.	
					I_BackUpAlCancel	A55.J1:20	26.3
					I_RrStrtEnSw	A53.J1:10	3.2
A50.J1:21	O_BackUpLt		26.3		B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					B_TstModHvacNext	.	
A50.J1:4	O_ReClearLb	Rear Clearance Light Bulb	26.2		B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_FogLightSw	A55.J1:6	26.5
					I_HdLtPos1Sw	A43.J1:4	26.1
I_HdLtPos2SwLH	A45.J1:12	26.1					

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Module.Pin#	Signal name	Description	Page	Connected devices	Input involved		
A50.J1:4	O_ReClearLb	Rear Clearance Light Bulb	26.2		I_ParkBrSe	A36.JB:9	12.1
A50.J1:5	O_LHctrFishLb	Water Filter Indicator Warning	26.2	L70:1	B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					B_TstModHvac	.	
					B_TstModHvacNext	.	
					I_HazardSw	A36.JB:4	26.1
					I_LHFishSwRrSig	A51.J1:9	26.2
					I_RHFishSwRrSig	A51.J1:12	26.2
A50.J1:6	O_BrLtLowerLb		12.1		B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_BrkLtSeFrSig	A36.JB:13	12.1
					I_BrkLtSeRrSig	A51.J1:10	12.1
					I_EngBrOnSe	A42.J1:18	
					I_IgnKeySw	A36.JB:2	3.2
					I_RetdrSig	A50.J1:12	12.1
A50.J1:7	O_RHctrFishLb	Wheel Chair Lift Warning Indicator	26.2	L68:1	B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					B_TstModHvac	.	
					B_TstModHvacNext	.	
					I_HazardSw	A36.JB:4	26.1
					I_LHFishSwRrSig	A51.J1:9	26.2
					I_RHFishSwRrSig	A51.J1:12	26.2
A50.J1:8	O_CtrSdMrkLb	Tag Axle Warning Indicator	26.2	L67:1	B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_FogLightSw	A55.J1:6	26.5
					I_HdLtPos1Sw	A43.J1:4	26.1
					I_HdLtPos2SwLH	A45.J1:12	26.1
					I_ParkBrSe	A36.JB:9	12.1
A51.J1:1	O_SerBrkTrans	Servise Brake Signal For	15.1	A1:62	I_BrkLtSeFrSig	A36.JB:13	12.1
A51.J1:21	O_LHReFishLb	Left Hand Rear Flasher Light Bulb	26.2		B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					B_TstModHvac	.	
					B_TstModHvacNext	.	

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Module.Pin#	Signal name	Description	Page	Connected devices	Input involved		
A51.J1:21	O_LHReFishLb	Left Hand Rear Flasher Light Bulb	26.2		I_HazardSw	A36.JB:4	26.1
					I_LHFishSwRrSig	A51.J1:9	26.2
					I_RHFishSwRrSig	A51.J1:12	26.2
A51.J1:3	O_RHReFishLb	Right Hand Rear Flasher Light Bulb	26.2	L73:3	B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					B_TstModHvac	.	
					B_TstModHvacNext	.	
					I_HazardSw	A36.JB:4	26.1
					I_LHFishSwRrSig	A51.J1:9	26.2
					I_RHFishSwRrSig	A51.J1:12	26.2
A51.J1:6	O_BrLtUpperLb		26.2		B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_BrkLtSeFrSig	A36.JB:13	12.1
					I_BrkLtSeRrSig	A51.J1:10	12.1
A51.J1:7	O_CyclopeLt	Cyclope Brake Light	26.2		B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_BrkLtSeFrSig	A36.JB:13	12.1
					I_BrkLtSeRrSig	A51.J1:10	12.1
A51.J1:8	O_ReTailMkLb	Rear Tail Markers Light Bulb	26.2		B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_FogLightSw	A55.J1:6	26.5
					I_HdLtPos1Sw	A43.J1:4	26.1
					I_HdLtPos2SwLH	A45.J1:12	26.1
					I_ParkBrSe	A36.JB:9	12.1
A52.J1:1	O_EngFanSpd1	Engine Fan Radiator Speed 1	14.1		B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					D_RadFanSpd1	.	
					D_StopTestMode	.	
					I_AcPresHiSse	A52.J1:13	18.2
					I_Alt2Voltage	A49.J1:9	3.2
					I_FireExt1stAl	A36.JB:23	38.1

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Module.Pin#	Signal name	Description	Page	Connected devices	Input involved		
A52.J1:1	O_EngFanSpd1	Engine Fan Radiator Speed 1	14.1		I_FireExt2ndAlm	A44.J1:10	38.1
					I_FireSensorA36	A36.JB:5	38.1
					I_FrStrtEnSw	A53.J1:9	3.2
					I_IdleValidSw	A45.J1:11	15.2
					I_IgnKeySw	A36.JB:2	3.2
					I_ParkBrSe	A36.JB:9	12.1
					I_PRRackFanSw	A41.J1:20	18.2
					I_RrStrtEnSw	A53.J1:10	3.2
A52.J1:2	O_EngFanSpd2	Engine Fan Radiator Speed 2	14.1		B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					D_RadFanSpd2	.	
					D_StopTestMode	.	
					I_AcPresHiSse	A52.J1:13	18.2
					I_Alt2Voltage	A49.J1:9	3.2
					I_FireExt1stAl	A36.JB:23	38.1
					I_FireExt2ndAlm	A44.J1:10	38.1
					I_FireSensorA36	A36.JB:5	38.1
					I_IdleValidSw	A45.J1:11	15.2
					I_IgnKeySw	A36.JB:2	3.2
					I_ParkBrSe	A36.JB:9	12.1
I_PRRackFan2ndSpd	A54.J1:12	18.3					
I_PRRackFanSw	A41.J1:20	18.2					
A52.J1:20	O_AcCluSol	Hvac AC Clutch Solenoid	18.2		B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					I_AcPresHiSse	A52.J1:13	18.2
					I_AcPresLoSse	A52.J1:14	18.2
A52.J1:21	O_AcUnldRH	Hvac Right Hand Cylinder Unloader	18.2		B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					D_PassSetPts	.	
					I_AcPresHiSse	A52.J1:13	18.2
					I_AcPresLoSse	A52.J1:14	18.2
					A52.J1:4	O_LavFanMo	Lavatory Fan Motor
B_EngineRun	.						

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Module.Pin#	Signal name	Description	Page	Connected devices	Input involved		
A52.J1:4	O_LavFanMo	Lavatory Fan Motor	11.1		B_OneAltCharging	.	
					B_TstModHvac	.	
					I_BatMonMod52	A52.J1:24	6.1
A52.J1:5	O_EngCmptLb	Engine Compartment Light Bulb	25.1		I_EngCmptLtSw	A52.J1:11	
					I_EngDoorSe	A49.J1:2	25.1
A52.J1:6	O_OilSeparator		37.1	L350A:A	B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_BrkLtSeFrSig	A36.JB:13	12.1
					I_BrkLtSeRrSig	A51.J1:10	12.1
					I_EngBrOnSe	A42.J1:18	
					I_IgnKeySw	A36.JB:2	3.2
					I_RetdrSig	A50.J1:12	12.1
A52.J1:8	O_AcUnldLH	Hvac Left Hand Cylinder Unloader	18.2		B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					D_PassSetPts	.	
					I_AcPresHiSse	A52.J1:13	18.2
					I_AcPresLoSse	A52.J1:14	18.2
A53.J1:1	O_ReadLtTestSw		22.1		I_ReadLtTestSw	A42.J1:19	22.2C
A53.J1:2	O_EvaSpd2Pilot	Evaporator Fan Speed 2	18.2	TermMo9	B_BatterySaver	.	
					B_EngineRun	.	
					B_LowVoltage	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					D_OnOffPassSw	.	
					D_PassSetPts	.	
					I_AcPresHiSse	A52.J1:13	18.2
					I_AcPresLoSse	A52.J1:14	18.2
					I_BatMonMod54	A54.J1:24	6.1
					I_FireExt1stAl	A36.JB:23	38.1
					I_FireExt2ndAlm	A44.J1:10	38.1
					I_FireSensorA36	A36.JB:5	38.1
A53.J1:20	O_PrackACClch		18.3		B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	

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Module.Pin#	Signal name	Description	Page	Connected devices	Input involved		
A53.J1:20	O_PrackACClch		18.3		D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					I_PRackFanSw	A41.J1:20	18.2
					I_PrackLowPre	A54.J1:11	18.3
A53.J1:5	O_WCLOn	Wheel Chair Lift Enabled	36.1		I_NeutralSe	A50.J1:11	3.2
					I_ParkBrSe	A36.JB:9	12.1
					I_WCLLoDorSe	A53.J1:12	36.1
					I_WCLSmallLowDor	A49.J1:17	36.1
					I_WclSw	A42.J1:6	36.1
A53.J1:6	O_StarterRel	Starter Relay	3.2		B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					I_FrStrtEnSw	A53.J1:9	3.2
					I_NeutralSe	A50.J1:11	3.2
					I_RrStrtEnSw	A53.J1:10	3.2
A53.J1:7	O_WCLUpDoorSig	WCL Upper Door Open Signal For TWU	36.1		I_ParkBrSe	A36.JB:9	12.1
					I_WCLPlungSw	A49.J1:4	36.1
A54.J1:1	O_LHPRckFan	Left Hand Parcel Rack Fan	18.3		B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					I_PRackFanSw	A41.J1:20	18.2
A54.J1:2	O_RHPRckFan	Right Hand Parcel Rack Fan	18.3		B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					I_PRackFanSw	A41.J1:20	18.2
A54.J1:20	O_ACRecPass	A/C Pass. Gaz Cylinder Recycle	18.2	L205:1	B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_RecSw	.	
					I_BrakIntrk	A45.J1:13	12.1
					I_EntDorClnSw	A36.JB:10	29.1
					I_EntDorClnOutSw	A36.JB:17	29.1
					I_EntDorCISE	A47.J1:10	29.1
					I_EntDorOpSw	A36.JB:15	29.1
					I_IntDorOpSw	A41.J1:9	29.1
					I_MasterSwIntlk	A36.JB:16	29.1
					A54.J1:21	O_PassOnOff	Output HVAC Passenger ON/OFF
B_EngineRun	.						
B_OneAltCharging	.						

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Module.Pin#	Signal name	Description	Page	Connected devices	Input involved		
A54.J1:21	O_PassOnOff	Output HVAC Passenger ON/OFF	18.2	R26:85	B_TstModHvac	.	
					I_BatMonMod54	A54.J1:24	6.1
A54.J1:3	O_PasRfgSol	Passenger Refrigerent Solenoid	18.2	D11:A	B_BatterySaver	.	
					B_EngineRun	.	
					B_LowVoltage	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					D_OnOffPassSw	.	
					D_PassSetPts	.	
					I_BatMonMod54	A54.J1:24	6.1
					I_FireExt1stAl	A36.JB:23	38.1
					I_FireExt2ndAlm	A44.J1:10	38.1
					I_FireSensorA36	A36.JB:5	38.1
A54.J1:4	O_ACWaterPmp	Hvac Water Pump	18.2	D9:A	B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					D_DrvFnSpdBit0	.	
					D_DrvFnSpdBit1	.	
					D_DrvFnSpdBit2	.	
					D_HvacPump	.	
					D_OnOffPassSw	.	
					D_PassSetPts	.	
					D_StopTestMode	.	
					I_BatMonMod54	A54.J1:24	6.1
					I_FireExt1stAl	A36.JB:23	38.1
					I_FireExt2ndAlm	A44.J1:10	38.1
					I_FireSensorA36	A36.JB:5	38.1
					I_IgnKeySw	A36.JB:2	3.2
A54.J1:5	O_CndSpd1Rel	Condensor Fan Speed 1 Relay	18.2	R10:2	B_BatterySaver	.	
					B_EngineRun	.	
					B_LowVoltage	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					D_OnOffPassSw	.	
					D_PassSetPts	.	
					I_AcPresHiSse	A52.J1:13	18.2

MULTIPLEX OUTPUT LIST

O_xx... = Physical Output Pin ; I_xx... = Physical Input Pin ; D_xx... = CAN Network Signal from the HVAC control Head ; B_xx... = Multiplex system global Network Variable

Module.Pin#	Signal name	Description	Page	Connected devices	Input involved		
A54.J1:5	O_CndSpd1Rel	Condensor Fan Speed 1 Relay	18.2	R10:2	I_AcPresLoSSe	A52.J1:14	18.2
					I_BatMonMod54	A54.J1:24	6.1
					I_FireExt1stAl	A36.JB:23	38.1
					I_FireExt2ndAlm	A44.J1:10	38.1
					I_FireSensorA36	A36.JB:5	38.1
A54.J1:7	O_EvaSpd1Rel	Evaporator Fan Speed 1 Relay	18.2	R12:2	B_BatterySaver	.	
					B_EngineRun	.	
					B_LowVoltage	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_OnOffPassSw	.	
					I_BatMonMod54	A54.J1:24	6.1
					I_FireExt1stAl	A36.JB:23	38.1
					I_FireExt2ndAlm	A44.J1:10	38.1
					I_FireSensorA36	A36.JB:5	38.1
A54.J1:8	O_PasHeatSol	Passenger Heat Solenoid Valve	18.2	R26:87	B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					D_DrvFnSpdBit0	.	
					D_DrvFnSpdBit1	.	
					D_DrvFnSpdBit2	.	
					D_OnOffPassSw	.	
					D_PassSetPts	.	
					I_BatMonMod54	A54.J1:24	6.1
					I_FireExt1stAl	A36.JB:23	38.1
					I_FireExt2ndAlm	A44.J1:10	38.1
					I_FireSensorA36	A36.JB:5	38.1
A55.J1:12	O_JacobBrk1	Jacob Brake 1	41.1		I_IgnKeySw	A36.JB:2	3.2
					I_RetarderSel	A55.J1:10	12.1
A55.J1:14	O_JacobBrk2	Jacob Brake 2	41.1		I_IgnKeySw	A36.JB:2	3.2
					I_RetarderSel	A55.J1:10	12.1