

# MULTIPLEX INPUT 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 |
|-------------|------------------|---|------|-------------------|
| A36.JB:13   | I_BrkLtSeFrSig   | Brake Lights Sensor                               | 12.1 |                   |
| A36.JB:2    | I_IgnKeySw       | Ignition Key switch                               | 3.2  |                   |
| A36.JB:21   | I_RrCutOutSw     | Rear Junction Box CutOut Switch                   | 3.2  |                   |
| A36.JB:22   | I_FrEngStaSw     | Front Engine Start Switch                         | 3.2  |                   |
| A36.JB:23   | I_FireExt1stAl   |   | 40.1 | A130:3            |
| A36.JB:4    | I_HazardSw       | Hazard Switch                                     | 26.1 | Sw4:3             |
| A36.JB:5    | I_WakeUp         | Wake up signal (Fire alarm, horn, keyless module) | 9.1  | A41.J1:16         |
| A36.JB:6    | I_AccKeySw       | Accessories Key switch                            | 3.2  |                   |
| A36.JB:9    | I_ParkBrSe       | Paking Brake Sensor                               | 12.1 |                   |
| A41.J1:10   | I_FireSensorA36  | Fire Sensor On A36                                | 9.1  |                   |
| A41.J1:17   | I_LugDorLkSw     | Luggage Door Lock Switch                          | 33.1 |                   |
| A41.J1:18   | I_KeylessLuggUnl | Keyless luggages doors unlock signal              | 29.1 | A31.B:11          |
| A41.J1:19   | I_KeylessLockAll | Keyless lock all doors signal                     | 29.1 | A31.B:22          |
| A41.J1:2    | I_DrvLtSw        | Driver Light Switch                               | 19.1 | Sw24:3            |
| A41.J1:20   | I_LugDorULkSw    | Luggage Door Unlock Switch                        | 33.1 |                   |
| A41.J1:21   | I_KeylessEntReq  |   | 29.1 | A31.B:10          |
| A41.J1:3    | I_HornSw         | Horn Switch                                       | 9.1  | A103:5            |
| A41.J1:4    | I_KeylessDrUnl   | Keyless door unlock signal                        | 29.1 | A31.A:1           |
| A41.J1:5    | I_EntDorOpSe     | Entrance Door Open Sensor                         | 29.1 | D73:A             |
| A41.J1:6    | I_KeylessPanic   | Keyless panic button signal                       | 29.1 | A31.B:8           |
| A41.J1:7    | I_KeylessIntru   | Keyless intrusion signal                          | 29.1 | A31.B:9           |
| A41.J1:8    | I_EntDrUnlockSw  | Entrance door unlock switch                       | 29.1 | Sw104:4           |
| A41.J1:9    | I_EntDorLockSw   | VIP Entrance Door Lock Switch                     | 29.1 | Sw104:6           |
| A42.J1:20   | I_SwitchOption   |   |      |                   |
| A42.J1:21   | I_SwitchOption2  |   |      |                   |
| A42.J1:7    | I_LevelLowSw     | Level low switch                                  | 32.1 |                   |
| A42.J1:8    | I_LwWipIntSw     | Lower Wiper Intermitant Switch                    | 34.1 | Sw1.C258:7        |
| A43.J1:17   | I_FJBLtSw        | Front Junction Box Door Open                      | 25.1 |                   |
| A43.J1:19   | I_TgAxlSw        | Tag Axle Switch                                   | 32.1 | Sw64.B:1          |
| A43.J1:20   | I_BlinkSw        | Courtesy Blink Switch                             | 26.1 | Sw1.C258:5        |
| A43.J1:3    | I_HiBeamCallSw   | Hi/Low Beam Switch                                | 26.1 | Sw1.C259:4        |
| A43.J1:4    | I_HdLtPos1Sw     | Head Light Switch Position Markers                | 26.1 |                   |
| A43.J1:6    | I_RevAlrmSw      | Reverse alarm switch                              | 26.3 |                   |
| A43.J1:7    | I_HornSelectSw   | Horn Select switch                                | 9.1  | Sw63A:3           |
| A43.J1:8    | I_HdLtHiLowBmSw  | Head Lights High and Low Beam Switch              | 26.1 | Sw1.C258:8        |
| A43.J1:9    | I_DiffLockSw     | Differential lock switch                          | 37.1 | Shrk152           |
| A44.J1:10   | I_FireExt2ndAlm  |   | 40.1 | A130:11           |
| A45.J1:11   | I_IdleValidSw    | Idle Validation Switch                            | 14.1 |                   |
| A45.J1:12   | I_HdLtPos2SwLH   | Head Light Switch Beam Position 2 LH              | 26.1 |                   |
| A45.J1:24   | I_BatMonMod45    |   | 6.1  | A45.J1:28         |
| A45.J1:9    | I_LHFfshSw       | Left Hand Flasher Switch                          | 26.1 |                   |
| A46.J1:24   | I_BatMonMod46    |   | 6.1  | A46.J1:26         |
| A46.J1:9    | I_LwWshSw        | Lower Wiper Washer Switch                         | 34.1 | Sw1.C258:6        |

# MULTIPLEX INPUT 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 |
|-------------|-----------------|---|------|-------------------|
| A47.J1:10   | I_DefrostHighSw | Passenger defrost speed increase switch | 18.1 | Sw122:3           |
| A47.J1:11   | I_CoilTherSe    | Coil sensing thermostat                 | 18.3 | Se52.A:1          |
| A47.J1:12   | I_DefrostLowSw  | Passenger defrost speed decrease switch | 18.1 | Sw122:4           |
| A47.J1:24   | I_BatMonMod47   |   | 6.1  | A47.J1:27         |
| A48.J1:10   | I_HdLtPos2SwRH  | Head Light Switch Beam Position 2 RH    | 26.1 |                   |
| A48.J1:12   | I_RHFfshSw      | Right Hand Flasher Switch               | 26.1 |                   |
| A48.J1:24   | I_BatMonMod48   |   | 6.1  | A48.J1:28         |
| A48.J1:9    | I_EntDrUnSw     | Entrance door unlock switch             |      |                   |
| A49.J1:17   | I_RJBLtSw       | Rear Junction Light Switch              | 25.1 |                   |
| A49.J1:2    | I_WdoOpenSe     | Passenger Window Open Sensor            | 27.1 |                   |
| A49.J1:20   | I_WtrFiltSe     | Water Filter Sensor                     | 13.1 | Se12:B            |
| A49.J1:3    | I_AcDorOpSe     | Condensor Door Open Switch              | 25.1 |                   |
| A49.J1:4    | I_LuggDoorSw    | Luggage Door Switch                     | 25.1 |                   |
| A49.J1:5    | I_LuggDrUnSe    | Luggages doors unlock sensor            | 24.1 | Sw118:2           |
| A49.J1:7    | I_Alt3Voltage   |   |      |                   |
| A49.J1:8    | I_Alt1Voltage   |   | 3.2  | Alt1D.C:2         |
| A49.J1:9    | I_Alt2Voltage   |   | 3.2  |                   |
| A50.J1:11   | I_NeutralSe     | Neutral Signal Sensor                   | 15.1 | A1.A:41           |
| A50.J1:12   | I_RetdrSig      | Retarder Signal                         | 15.1 | A1.A:24           |
| A51.J1:10   | I_BrkLtSeRrSig  | Brake Lights Sensor                     | 12.1 |                   |
| A51.J1:12   | I_RHFfshSwRrSig | RH FlasherSwitch Rear Signal            | 26.2 |                   |
| A51.J1:24   | I_BatMonMod51   |   |      |                   |
| A51.J1:9    | I_LHFfshSwRrSig | LH FlasherSwitch Rear Signal            | 26.2 |                   |
| A52.J1:12   | I_EngDoorSe     | Engine Door Sensor                      | 25.1 | Se31:A            |
| A52.J1:13   | I_AcPresHiSse   | Ac Pressure High Side Sensor            | 18.2 | Se23:C            |
| A52.J1:14   | I_AcPresLoSse   | Ac Pressure Low Side Sensor             | 18.2 | Se24:C            |
| A53.J1:10   | I_RrStrtEnSw    | Rear Start Enable Switch                | 3.2  |                   |
| A53.J1:11   | I_EngStaRrSw    | Engine Start Rear Switch                | 3.2  | Sw59:2            |
| A53.J1:12   | I_StartLockOut  |   |      |                   |
| A53.J1:24   | I_BatMonMod53   |   | 6.1  | A53.J1:26         |
| A53.J1:9    | I_FrStrtEnSw    | Front Start Enable Switch               | 3.2  | Sw58:3            |
| A54.J1:24   | I_BatMonMod54   |   | 6.1  | A54.J1:29         |
| A55.J1:1    | I_DrvTempSe     | Driver Temperature sensor               | 18.1 | Se21:2            |
| A55.J1:10   | I_RetarderSel   | Retarder Selected                       | 12.1 | Sw16:3            |
| A55.J1:17   | I_BackUpCamSw   | Back up camera switch                   | 28.1 | Sw119:3           |
| A55.J1:18   | I_HeadLmpWshSw  |   | 34.1 | Sw6:4             |
| A55.J1:19   | I_UpWshSw       | Upper Washer Wiper Switch               | 34.1 | Sw6:3             |
| A55.J1:20   | I_UpWipIntSw    | Upper Wiper Intermitant Switch          | 34.1 |                   |
| A55.J1:21   | I_UpWipSw       | Upper Wiper Switch                      | 34.1 | Sw5:6             |
| A55.J1:6    | I_FogLightSw    | Fog Lights Switch                       | 26.3 | Sw3:3             |
| A55.J1:7    | I_CorneringLtSw | Cornering Light Switch                  | 26.3 | Sw99:1            |
| A55.J1:8    | I_DockingLtSw   | Docking Lights Switch                   | 26.3 | Sw99:3            |
| A55.J1:9    | I_LowDockLtsSw  | Low docking lights switch               | 26.3 | Sw102:3           |

# MULTIPLEX INTPUT 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 |
|-------------|------------------|--|------|-------------------|
| A56.J1:10   | I_SldO1CloseSw   | Slide-Out 1 Close Sw                   | 20.1 | SwSo1.A:4         |
| A56.J1:11   | I_SldO1LimitInSe | Slide-Out 1 Limit In Detection Sw      | 20.1 | SES02_SESO3:4     |
| A56.J1:12   | I_SldO1PBrakeSw  | Slide-Out 1 Parking Brake Sw           | 20.1 |                   |
| A56.J1:13   | I_SldO1VacPrSe   | Slide-Out 1 Vacuum Pressure Transducer | 20.1 | SES01:C           |
| A56.J1:14   | I_SldO1LimiOutSw | Slide-Out 1 Limit Out Detection Sw     | 20.1 | SES02_SESO3:2     |
| A56.J1:15   | I_SldO1Supply5v  | Slide Out 1 5v Supply                  | 20.1 |                   |
| A56.J1:24   | I_BatMonMod56    |  | 6.1  | A56.J1:27         |
| A56.J1:9    | I_SldO1OpenSw    | Slide-Out 1 Open Sw                    | 20.1 | SwSo1.A:5         |
| A57.J1:10   | I_SldO2CloseSw   | Slide-Out 2 Close Sw                   | 20.1 | SwSo2:4           |
| A57.J1:11   | I_SldO2LimitInSe | Slide-Out 2 Limit In Detection Sw      | 20.1 | SES05_SESO6:4     |
| A57.J1:12   | I_SldO2PBrakeSw  | Slide-Out 2 Parking Brake Sw           | 20.1 |                   |
| A57.J1:14   | I_SldO2LimiOutSw | Slide-Out 2 Limit Out Detection Sw     | 20.1 | SES05_SESO6:2     |
| A57.J1:15   | I_SldO2Supply5v  | Slide Out 2 5v Supply                  | 20.1 | SES05_SESO6:3     |
| A57.J1:24   | I_BatMonMod57    |  | 6.1  | A57.J1:29         |
| A57.J1:9    | I_SldO2OpenSw    | Slide-Out 2 Open Sw                    | 20.1 | SwSo2:5           |
| A58.J1:10   | I_SldO3CloseSw   |  | 20.2 | SwSo3:4           |
| A58.J1:11   | I_SldO3LimitInSe |  | 20.2 | SES07_SESO8:4     |
| A58.J1:12   | I_SldO3PBrakeSw  |  | 20.2 |                   |
| A58.J1:14   | I_SldO3LimiOutSw |  | 20.2 | SES07_SESO8:2     |
| A58.J1:15   | I_SldO3Supply5v  | Slide Out 3 Power Supply               | 20.2 | SES07_SESO8:3     |
| A58.J1:24   | I_BatMonMod58    |  | 6.1  | A58.J1:26         |
| A58.J1:9    | I_SldO3OpenSw    |  | 20.2 | SwSo3:5           |
| A59.J1:10   | I_SldO4CloseSw   |  | 20.2 | SwSo4:4           |
| A59.J1:11   | I_SldO4LimitInSe |  | 20.2 | SES09_SESO10:4    |
| A59.J1:12   | I_SldO4PBrakeSw  |  | 20.2 |                   |
| A59.J1:14   | I_SldO4LimiOutSw |  | 20.2 | SES09_SESO10:2    |
| A59.J1:15   | I_SldO4Supply5v  | Slide Out 1 5v Supply                  | 20.2 | SES09_SESO10:3    |
| A59.J1:24   | I_BatMonMod59    |  | 6.1  | A59.J1:27         |
| A59.J1:9    | I_SldO4OpenSw    |  | 20.2 | SwSo4:5           |
|             |                  |  |      |                   |
|             |                  |  |      |                   |
|             |                  |  |      |                   |
|             |                  |  |      |                   |
|             |                  |  |      |                   |
|             |                  |  |      |                   |
|             |                  |  |      |                   |
|             |                  |  |      |                   |
|             |                  |  |      |                   |
|             |                  |  |      |                   |
|             |                  |  |      |                   |
|             |                  |  |      |                   |
|             |                  |  |      |                   |
|             |                  |  |      |                   |
|             |                  |  |      |                   |
|             |                  |  |      |                   |
|             |                  |  |      |                   |
|             |                  |  |      |                   |