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CAN Communication Signal Chart

Refer to How to Use CAN Communication Signal Chart [How to Use CAN Communication Signal Chart](#)  for how to use CAN communication signal chart.

note Refer to [Abbreviation List](#)  for the abbreviations of the connecting units.

Signal name	ECM	ABS	IPDM-E	TCM	M&A	A-BAG	HVAC	8ch GW 2	HFM	EPS/DAST 3	BCM	SONAR	A-AMP.	LANE	ACC 2	LASER	CCM	Multi Around Monitor	RDR-R	RDR-L	AV	IVC	4WD	ADP	E-HUD	WL CHG	PWBD	E-SHIFT	STRG	EVTC
A/C compressor request signal	T		R																											
A/C relay control signal	T		R																											
Accelerator pedal position signal	T	R		R											R		R						R							
ASCD status signal	T																								R					
Battery warning request signal (ECM)	T				R																									
Brake torque request signal	T																R													
		R															T													
Closed throttle position signal	T			R											R															
Cooling fan control signal	T		R																											
Cooling fan speed request signal	T		R																											
Cranking enable (ECM) signal	T		R																											

Signal name	ECM	ABS	IPDM-E	TCM	M&A	A-BAG	HVAC	8ch GW 2	HFM	EPS/DAST 3	BCM	SONAR	A-AMP.	LANE	ACC 2	LASER	CCM	Multi Around Monitor	RDR-R	RDR-L	AV	IVC	4WD	ADP	E-HUD	WL CHG	PWBD	E-SHIFT	STRG	EVTC
ECO mode indicator signal	T				R																									
ECO pedal guide signal	T				R																									
Electrical power cut freeze signal	T										R																			
Engine and CVT integrated control signal	T			R																										
	R			T																										
Engine coolant temperature signal	T			R	R		R				R																			
Engine oil pressure warning light signal	T				R																	R								
Engine speed signal	T	R		R	R		R				R		R		R								R							
Engine status signal	T				R					R	R											R	R							
Engine torque signal	T	R															R													
EPS assist request signal	T									R																				
Fuel consumption monitor signal	T				R																									
Malfunction indicator light signal	T																					R								
	R			T																										
MI-PILOT Assist permission signal	T														R															
										T					R															
MI-PILOT Assist steering switch signal	T														R															
Refrigerant pressure	T						R																							

Signal name	ECM	ABS	IPDM-E	TCM	M&A	A-BAG	HVAC	8ch GW 2	HFM	EPS/DAST 3	BCM	SONAR	A-AMP.	LANE	ACC 2	LASER	CCM	Multi Around Monitor	RDR-R	RDR-L	AV	IVC	4WD	ADP	E-HUD	WL CHG	PWBD	E-SHIFT	STRG	EVTC
sensor signal																														
Remaining distance signal	T				R																									
Starter cut relay request signal	T										R																			
Stop/Start status signal	T									R																				
Valve timing target position	T																													R
Wheel torque signal	T																						R							
																	R						T							
ABS malfunction signal		T		R											R		R													
ABS operation signal		T		R											R		R						R							
ABS warning light signal		T			R										R							R								
Automatic brake hold status signal		T															R													
Battery voltage signal		T																							R					
			T										R																	
Brake fluid pressure signal		T													R		R													
Brake hold status signal		T															R													
Brake warning light signal		T			R																	R								
Brake wheel torque signal		R													T															
															R							T								

Signal name	ECM	ABS	IPDM-E	TCM	M&A	A-BAG	HVAC	8ch GW 2	HFM	EPS/DAST 3	BCM	SONAR	A-AMP.	LANE	ACC 2	LASER	CCM	Multi Around Monitor	RDR-R	RDR-L	AV	IVC	4WD	ADP	E-HUD	WL CHG	PWBD	E-SHIFT	STRG	EVTC
Buzzer output signal		T			R																									
					R				T																					
					R						T																			
					R										T															
					R													T												
Decel G sensor signal		T		R													R						R							
Driver brake signal		T															R													
Electric parking brake indicator light signal		T			R																									
Electric parking brake malfunction signal		T															R													
Electric parking brake operation signal		T													R															
Electric parking brake operation signal (switch)		T															R													
Electric parking brake status signal		T			R												R													
Electric parking brake warning light signal		T			R												R													
Front LH wheel speed signal		T															R	R					R							
Front RH wheel speed signal		T															R	R					R							
Odometer signal		T			R		R						R										R		R					
					T																	R								

Signal name	ECM	ABS	IPDM-E	TCM	M&A	A-BAG	HVAC	8ch GW 2	HFM	EPS/DAST 3	BCM	SONAR	A-AMP.	LANE	ACC 2	LASER	CCM	Multi Around Monitor	RDR-R	RDR-L	AV	IVC	4WD	ADP	E-HUD	WL CHG	PWBD	E-SHIFT	STRG	EVTC
Rear LH wheel speed signal		T															R	R					R							
Rear RH wheel speed signal		T															R	R					R							
Side G sensor signal		T													R		R						R							
TCS malfunction signal		T													R		R													
TCS operation signal	R	T		R											R		R						R							
ASC malfunction signal		T													R		R													
ASC OFF indicator light signal		T			R																									
ASC OFF signal		T													R		R													
ASC operation signal	R	T		R											R		R						R							
ASC status signal		T															R													
ASC warning light signal		T			R																	R								
Vehicle speed signal		T	R	R			R		R	R	R	R			R		R	R			R	R		R						
	R				T					R	R						R													
	T					R																								
														R	T	R			R	R										
Yaw rate signal		T													R								R							
A/C compressor feedback signal			T				R																							
Auto ACC status signal			T																		R									
											T														R					
Battery warning request			T		R																									

Signal name	ECM	ABS	IPDM-E	TCM	M&A	A-BAG	HVAC	8ch GW 2	HFM	EPS/DAST 3	BCM	SONAR	A-AMP.	LANE	ACC 2	LASER	CCM	Multi Around Monitor	RDR-R	RDR-L	AV	IVC	4WD	ADP	E-HUD	WL CHG	PWBD	E-SHIFT	STRG	EVTC
signal (IPDM E/R)																														
Front wiper status signal			T								R																			
Front wiper stop position signal			T								R																			
Generator voltage request signal	R		T																											
Headlight warning signal			T		R																									
Hood switch signal			T								R																			
Ignition ON signal			T								R																			
			R								T						R							R						
Ignition switch ON signal		R	T																											
Reverse position signal			T								R																			
Sleep-ready signal			T								R																			
					T						R																			
									T		R																			
											R						T													
											R														T					
											R																			
											R																			
											R																			
Starter cut relay status signal			T								R																			
Starter relay status signal			T		R																									
Cranking enable (TCM) signal			R	T																										
Current gear position signal		R		T											R		R						R							

Signal name	ECM	ABS	IPDM-E	TCM	M&A	A-BAG	HVAC	8ch GW 2	HFM	EPS/DAST 3	BCM	SONAR	A-AMP.	LANE	ACC 2	LASER	CCM	Multi Around Monitor	RDR-R	RDR-L	AV	IVC	4WD	ADP	E-HUD	WL CHG	PWBD	E-SHIFT	STRG	EVTC
CVT accept permission signal		R		T																										
CVT warning message signal				T	R																									
Electric shift warning light signal				T	R																									
Electric shift warning message signal				T	R																									
G sensor signal	R			T																										
Input speed signal				T											R															
Neutral hold mode signal				T	R																									
Output shaft revolution signal	R			T											R													R		
Shift position signal		R	R	T	R				R		R	R			R			R			R	R		R				R		
Shift P range request display signal				T	R																									
Shift refuse buzzer signal				T	R																									
Shift target signal				T																								R		
Ambient temperature signal					T		R				R																			
Automatic power liftgate setting signal					T																						R			
Brake fluid level switch signal		R			T																									

Signal name	ECM	ABS	IPDM-E	TCM	M&A	A-BAG	HVAC	8ch GW 2	HFM	EPS/DAST 3	BCM	SONAR	A-AMP.	LANE	ACC 2	LASER	CCM	Multi Around Monitor	RDR-R	RDR-L	AV	IVC	4WD	ADP	E-HUD	WL CHG	PWBD	E-SHIFT	STRG	EVTC
Driver seat belt switch signal					T										R															
HUD setting signal					T																				R					
MOD setting signal					T												R													
Parking brake status signal					T						R											R	R							
Seat belt buckle switch (driver side) signal											T						R													
System selection signal					T										R															
Vehicle speed display signal					T																				R					
	T				R																									
Car crush information signal						T					R											R								
Occupant detection signal					R	T																								
SRS air bag warning light signal					R	T																								
Seat belt buckle switch (rear) signal					R	T																								
Seat belt warning (front RH) signal					R	T																								
A/C ON signal	R						T																							
Blower fan ON signal	R						T				R																			
Cooling fan request signal	R						T																							
ECV control signal			R				T																							

Signal name	ECM	ABS	IPDM-E	TCM	M&A	A-BAG	HVAC	8ch GW 2	HFM	EPS/DAST 3	BCM	SONAR	A-AMP.	LANE	ACC 2	LASER	CCM	Multi Around Monitor	RDR-R	RDR-L	AV	IVC	4WD	ADP	E-HUD	WL CHG	PWBD	E-SHIFT	STRG	EVTC
Idle up request signal	R						T																							
PTC thermal request signal							T				R																			
Rear window defogger request signal							T				R																			
Charge stop request signal									T																	R				
Door lock/unlock request signal									T		R																			
Key ID verification completed signal									T																		R			
Meter display signal					R				T																					
					R										T															
					R												T													
Push-button ignition switch status signal									T		R																			
User identification signal									T																	R				
Battery supply current signal	R									T																				
EPS operation signal	R									T																				
Power steering warning light signal					R					T																				
Steering torque signal										T					R															
Power liftgate open											T																R			

Signal name	ECM	ABS	IPDM-E	TCM	M&A	A-BAG	HVAC	8ch GW 2	HFM	EPS/DAST 3	BCM	SONAR	A-AMP.	LANE	ACC 2	LASER	CCM	Multi Around Monitor	RDR-R	RDR-L	AV	IVC	4WD	ADP	E-HUD	WL CHG	PWBD	E-SHIFT	STRG	EVTC
request signal																														
Power liftgate switch signal											T							R												
Brake pedal position switch signal											T				R															
Brake pedal status signal		R									T							R												
Daytime running light request signal			R								T																			
Dimmer signal					R						T				R															
Door lock status signal											T											R		R						
Door switch (driver side) signal		R									T																			
Door switch signal				R	R				R		T		R		R			R						R						
Drive mode switch signal											T							R												
ECO advice signal					R						T																			
Front fog light request signal			R								T							R												
Front fog light status signal					R						T																			
Front wiper request signal			R								T											R								
Front washer motor request signal			R								T																			
Hazard warning light status signal			R								T																			
High beam assist indicator signal					R						T																			

Signal name	ECM	ABS	IPDM-E	TCM	M&A	A-BAG	HVAC	8ch GW 2	HFM	EPS/DAST 3	BCM	SONAR	A-AMP.	LANE	ACC 2	LASER	CCM	Multi Around Monitor	RDR-R	RDR-L	AV	IVC	4WD	ADP	E-HUD	WL CHG	PWBD	E-SHIFT	STRG	EVTC
High beam request signal			R								T							R												
High beam status signal					R						T																			
Horn request signal			R								T																			
Key ID signal											T													R						
Key ID verification request signal									R		T																			
Light reminder warning signal					R						T																			
Low beam request signal			R								T							R												
Low beam status signal					R						T																			
Low tire pressure warning light signal					R						T																			
Low tire pressure wheel location signal					R						T																			
Paddle shifter shift down signal				R							T																			
Paddle shifter shift up signal				R							T																			
Passing request signal			R								T																			
Position light request signal			R								T							R												
Position light status signal					R						T																			
Rear washer motor			R								T																			

Signal name	ECM	ABS	IPDM-E	TCM	M&A	A-BAG	HVAC	8ch GW 2	HFM	EPS/DAST 3	BCM	SONAR	A-AMP.	LANE	ACC 2	LASER	CCM	Multi Around Monitor	RDR-R	RDR-L	AV	IVC	4WD	ADP	E-HUD	WL CHG	PWBD	E-SHIFT	STRG	EVTC
request signal																														
Rear window defogger feedback signal							R				T																			
Remote engine start status signal							R				T																			
Seat belt buckle switch (front LH) signal				R	R	R					T																			
				R	T																									
Sleep wake up signal		R	R		R				R		T		R								R	R		R			R	R		
Stop light switch signal		R		R					R		T				R								R							
TPMS malfunction warning light signal					R						T																			
Turn indicator signal			R								T				R			R												
														R	T															
Vehicle status signal		R	R								T														R					
Parking sensor error signal					R							T																		
Sonar indicator signal					R							T						R												
Sonar sensor signal												T			R															
Detected lane condition signal														T	R															
Driver assistance buzzer signal														T	R															
															R				T											
															R					T										
Motor operation signal														T	R															

Signal name	ECM	ABS	IPDM-E	TCM	M&A	A-BAG	HVAC	8ch GW 2	HFM	EPS/DAST 3	BCM	SONAR	A-AMP.	LANE	ACC 2	LASER	CCM	Multi Around Monitor	RDR-R	RDR-L	AV	IVC	4WD	ADP	E-HUD	WL CHG	PWBD	E-SHIFT	STRG	EVTC
Pedestrian ahead signal														T	R															
Vehicle ahead signal														T	R															
AEB warning light signal					R										T															
Brake fluid pressure control signal		R													T															
BSW indicator dimmer signal															T				R	R										
BSW indicator signal															T				R	R										
Display signal															T											R				
														T											R					
MI-PILOT Assist operation signal	R									R					T															
RAB warning light signal					R										T															
Target yaw moment signal		R													T															
Wheel torque request signal	R														T															
Yaw moment request signal															T		R													
		R															T													
Distance sensor signal															R	T														
Active ride control signal		R															T													
Automatic brake hold					R												T													

Signal name	ECM	ABS	IPDM-E	TCM	M&A	A-BAG	HVAC	8ch GW 2	HFM	EPS/DAST 3	BCM	SONAR	A-AMP.	LANE	ACC 2	LASER	CCM	Multi Around Monitor	RDR-R	RDR-L	AV	IVC	4WD	ADP	E-HUD	WL CHG	PWBD	E-SHIFT	STRG	EVTC
indicator light signal																														
Automatic brake hold operation request signal		R															T													
Automatic brake hold release request signal		R															T													
Chassis control module malfunction signal		R															T													
Engine brake request signal				R													T													
Drive mode signal	R	R		R	R					R					R		T						R							
Electric parking brake operation request signal		R															T													
Intelligent engine brake signal		R															T													
Intelligent trace control signal		R															T													
Language setting signal																		T			R									
MOD setting status signal					R													T												
View change signal																		T			R									
Vehicle detection signal															R				T											
															R					T										
Auto ACC request signal											R										T									
											R											T								

Signal name	ECM	ABS	IPDM-E	TCM	M&A	A-BAG	HVAC	8ch GW 2	HFM	EPS/DAST 3	BCM	SONAR	A-AMP.	LANE	ACC 2	LASER	CCM	Multi Around Monitor	RDR-R	RDR-L	AV	IVC	4WD	ADP	E-HUD	WL CHG	PWBD	E-SHIFT	STRG	EVTC
Blower reduction request signal							R														T									
Camera switch signal																	R				T									
Curve signal															R						T									
Key link activation status signal																					T				R					
Door lock/unlock signal											R											T								
Engine start request signal											R											T								
Panic alarm request signal											R											T								
AWD warning display signal					R																		T							
Torque distribution indicator signal					R																		T							
Memory guidance display request signal					R																			T						
Mirror control signal											R													T						
CVT warning message request signal				R																								T		
Electric shift malfunction signal				R																								T		
Electric shift selector signal				R																								T		
Steering angle															R														T	

Signal name	ECM	ABS	IPDM-E	TCM	M&A	A-BAG	HVAC	8ch GW 2	HFM	EPS/DAST 3	BCM	SONAR	A-AMP.	LANE	ACC 2	LASER	CCM	Multi Around Monitor	RDR-R	RDR-L	AV	IVC	4WD	ADP	E-HUD	WL CHG	PWBD	E-SHIFT	STRG	EVTC
sensor malfunction signal																														
Steering angle sensor signal									R						R						R		R						T	
		T													T	R														
Steering angle speed signal															R														T	
Valve timing position trouble detection signal	R																													T