

# ICS Korea - Cable별 핀맵 List

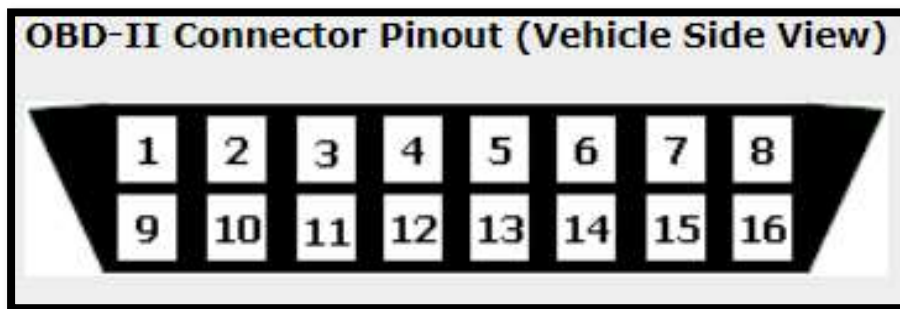
1. neoVI FIRE 2 OBD Cable with Diagnostics over IP (DoIP) Support (HD-26F to DB-25M + DB-9M + OBD-II)



Signal	HD-26F Pin #	DB-25M Pin #	DB-9M Pin #	OBD-II Pin #
ETH ACTIVATE	25		4	8
ETH RX-	20			13
ETH RX+	11			12
ETH TX -	9			11
ETH TX+	1			3
GND	10	13	5	5
HS CAN 1 H	14			6
HS CAN 1 L	4			14
HS CAN 2 H	16	16		
HS CAN 2 L	6	17		
HS CAN 3 H	17	19		
HS CAN 3 L	n	20		
HS CAN 4 H	12	14		
HS CAN 4 L	2	15		
HS CAN 5 H	13	5		
HS CAN 5 L	3	6		
HS CAN 6 H / LSFT CAN 1 H / SW CAN 2	18	3		
HS CAN 6 L /	8	4		

LSFT CAN 1 L				
HS CAN 7 H / LSFT CAN 2 H / SW CAN 1	26	1		
HS CAN 7 L / LSFT CAN 2 L	21			
ISO K / LIN 1	22	8	1	
LIN 2	23		2	
LIN 3	24		3	
MS CAN 1 H	15			1
MS CAN 1 L	5			9
V BATT	19	25		16

## 2. neoVI-OBD-1 Cable (DB-25F to OBD-II)



OBD-II Pin #	OBD-II Signal	DB-25F Signal	DB-25F Pin #
6	Discretionary* (GMLAN HS CAN H)	HS CAN 1 H	14
14	Discretionary* (GMLAN HS CAN L)	HS CAN 1 L	15
12	Discretionary*	HS CAN 2 H	16
13	Discretionary*	HS CAN 2 L	17
9	Discretionary* (GM ALDL)	HS CAN 3 H	19
10	SAE J1850 -	HS CAN 3 L	20
15	L line of ISO 9141-2	ISO L	7
7	ISO9141/K	ISO9141/K/LIN1	8
2	SAE J1850 +	J1850 VPW	2
3	Discretionary* (GMLAN MS CAN H)	MS CAN H	5
11	Discretionary* (GMLAN MS CAN L)	MS CAN L	6
4	Chassis Ground	N/C	N/C
8	Discretionary*	N/C	N/C
5	Signal Ground	PWR GND	13

1	Discretionary* (GMLAN SW CAN)	SW CAN	1
16	Unswitched Vehicle Battery Positive	VBATT	25

### 3. neoVI-OBD-MULTI Cable (DB-25F to OBD-II)



OBD-II Pin #	OBD-II Signal	DB-25F Signal	DB-25F Pin #
6	CAN H (ISO15765-4 and SAE-J2284)	HS CAN 1 H	14
14	CAN L (ISO15765-4 and SAE-J2284)	HS CAN 1 L	15
12	Discretionary*	HS CAN 2 H	16
13	Discretionary*	HS CAN 2 L	17
1	Discretionary*	HS CAN 3 H	19
9	Discretionary*	HS CAN 3 L	20
15	L line of ISO9141-2	ISO L	7
7	ISO9141/K	ISO9141/K/LIN1	8
3	Discretionary*	MS CAN H	5
11	Discretionary*	MS CAN L	6
2	SAE J1850 +	N/C	N/C
4	Chassis Ground	N/C	N/C
8	Discretionary*	N/C	N/C
10	SAE J1850 -	N/C	N/C
5	Signal Ground	PWR GND	13
16	Unswitched Vehicle Battery Positive	VBATT	25

4. neoVI FIRE 2 Ethernet Cable Adapter (DB26HD-F to DB-25M + DB-9M + RJ-45)



Signal	HD-26F Pin #	DB-25M Pin #	DB-9M Pin #	RJ-45 Pin #
ETH ACTIVATE	25		4	
ETH RX-	20			6
ETH RX+	11			3
ETH TX -	9			2
ETH TX+	1			1
GND	10	13	5	
HS CAN 1 H	14	14		
HS CAN 1 L	4	15		
HS CAN 2 H	16	16		
HS CAN 2 L	6	17		
HS CAN 3 H	17	19		
HS CAN 3 L	7	20		
HS CAN 4 H	12	18		
HS CAN 4 L	2	23		
HS CAN 5 H	13	21		
HS CAN 5 L	3	22		
HS CAN 6 H / LSFT CAN 1 H / SW CAN 2	18	3		
HS CAN 6 L / LSFT CAN 1 L	8	4		
HS CAN 7 H / LSFT CAN 2 H	26	1		

/ SW CAN 1				
HS CAN 7 L / LSFT CAN 2 L	21	7		
ISO K / LIN 1	22	8	1	
LIN 2	23		2	
LIN 3	24		3	
MS CAN 1 H	15	5		
MS CAN 1 L	5	6		
V BATT	19	25		

#### 5. neoVI FIRE VNET Cable Adapter (HD-26F to DB-25M + DB-9M)



/ PLASMA Signal	FIRE 2 Signal	HD-26F Pin #	DB-25M Pin #	DB-9M Pin #
LIN 4	ETH ACTIVATE	25	9	--
MISC 4 (DIO/AI)	ETH RX-	20	--	6
MISC 3 (DIO/AI)	ETH RX+	11	11	--
MISC 2 (DIO/AI)	ETH TX -	9	2	--
MISC 1 (DIO)	ETH TX+	1	10	--
GND	GND	10	13	5
HS CAN 1 H	HS CAN 1 H	14	14	--
HS CAN 1 L	HS CAN 1 L	4	15	--
HS CAN 2 H	HS CAN 2 H	16	16	--
HS CAN 2 L	HS CAN 2 L	6	17	--
HS CAN 3 H	HS CAN 3 H	17	19	--
HS CAN 3 L	HS CAN 3 L	7	20	--
HS CAN 4 H	HS CAN 4 H	12	--	7

HS CAN 4 L	HS CAN 4 L	2	--	2
HS CAN 5 H	HS CAN 5 H	13	--	8
HS CAN 5 L	HS CAN 5 L	3	--	4
LSFT CAN H	HS CAN 6 H / LSFT CAN 1 H / SW CAN 2	18	3	--
LSFT CAN L	HS CAN 6 L / LSFT CAN 1 L	8	--	--
SW CAN	HS CAN 7 H / LSFT CAN 2 H / SW CAN 1	26	1	--
ISO L/LIN 5	HS CAN 7 L / LSFT CAN 2 L	21	7	--
ISO K/LIN 1	ISO K / LIN 1	22	8	--
LIN 2	LIN 2	23	--	1
LIN 3	LIN 3	24	--	3
MS CAN H	MS CAN 1 H	15	5	--
MS CAN L	MS CAN 1 L	5	6	--
V BATT	V BATT	19	25	--

6. RAD-Galaxy Ethernet Cable Adapter (HD-26F to HD-26M + DB-9F + RJ-45)



Cable HD-26F Input Signal	HD-26F In Pin #	HD-26M Out Pin #	DB-9M Pin #
HS CAN 7 L	1	21	
HS CAN 3 L	2	7	
HS CAN 4 L	3	2	
HS CAN 6 L	4	8	
HS CAN 1 L	5	4	
MS CAN L	6	5	
HS CAN 2 L	7	6	
HS CAN 5 L	8	3	
AOUT1	9		7
GND	10	10	5
HS CAN 7 H / SW CAN 1	11	26	
HS CAN 3 H	12	17	
HS CAN 4 H	13	12	
HS CAN 6 H / SW CAN 2	14	18	
HS CAN 1 H	15	14	
MS CAN H	16	15	
HS CAN 2 H	17	16	
HS CAN 5 H	18	13	
V BATT	19	19	
AOUT 2	20		8
AOUT 3	21		9
LIN	22	22, 25	1
PWMIO/AIN 1	23		2
PWMIO/AIN 2	24		3
PWMIO/AIN 3	25		4
PWMIO/AIN 4	26		6
Cable HD-26M Signal	HD-26M In Pin #	RJ-45 Pin #	
ETH TX +	1	1	
ETH TX -	9	2	
ETH RX +	11	3	



## 7. neoVI-OBD-MULTI Cable (DB-25F to OBD-II) - Right Angle



BD-II Pin #	OBD-II Signal	DB-25F Signal	DB-25F Pin #
6	CAN H (ISO16765-4 and SAE-J2284)	HS CAN 1 H	14
14	CAN L (ISO16765-4 and SAE-J2284)	HS CAN 1 L	15
12	Discretionary*	HS CAN 2 H	16
13	Discretionary*	HS CAN 2 L	17
1	Discretionary*	HS CAN 3 H	19
9	Discretionary*	HS CAN 3 L	20
15	L line of ISO9141-2	ISO L	7
7	ISO9141/K	ISO9141/K/LIN1	8
3	Discretionary*	MS CAN H	5
11	Discretionary*	MS CAN L	6
2	SAE J1850 +	N/C	N/C
4	Chassis Ground	N/C	N/C
8	Discretionary*	N/C	N/C
10	SAE J1850 -	N/C	N/C
5	Signal Ground	PWR GND	13
16	Unswitched Vehicle Battery Positive	VBATT	25

8. neoVI FIRE 2  $\mu$ DB-9F to DB-9M Cable Adapter



Signal	$\mu$ DB-9F Pin #	DB-9M Pin #
LIN 1	1	1
LIN 2	2	2
LIN 3	3	3
LIN 4	4	4
GND	5	5
MISC DIO 5	6	6
MISC DIO 6	7	7
EMISC 1	8	8
EMISC 2	9	9

9. ValueCAN Network Splitter Cable (DB-9F to 2x DB-9M)



Signal	DB-9F Pin #	DB-9M CAN1 Pin #	DB-9M CAN2 Pin #
CAN 1 High	7	7	N/C
CAN 1 Low	2	2	N/C
CAN 2 High	8	N/C	7
CAN 2 Low	4	N/C	2
GND	3	3	3
GND	6	6	6
GND (Shield)	5	5	5

Trigger	1	N/C	N/C
V+	9	9	9