

X 12 pinouts

AHL pinouts

X12 up to 02/2005	X12 from 03/2005 up to 02/2007 NOT P524	X12 from 03/2005 up to 08/2006 WITH P524	X12 up to 02/2005 - original pin names	
1	2	2	Not used	
2	1	1	USA Signal, front side markerlight	
3	3	3	Signal, licence plate light L	
4	4	4	Signal, left direction indicator light	E46
5	5	Not used	without xenon headlight - Signal, parking light	
6	6	6	Signal, fog light	
7	7	7	with xenon headlight without adaptive headlight - Signal, rear level sensor	B69
8	8	8	Not used	
9	9	9	Supply, terminal 30 (FUSE box front - FUSE nr.5)	
10	10	10	Signal, right tail light	E47
11	11	11	Not used	
12	12	12	Signal, high beam L	
13	13	13	manual transmission Reverse gear signal	
14	14	14	CAN bus high	
15	15	15	Signal, low beam R	
16	16	16	Not used	
17	17	17	Not used	
18	18	18	Not used	
19	19	Not used	without xenon headlight - Signal, headlight vertical aim control	
20	20	Not used	Signal, headlight vertical aim control Q21 motor, right	
21	21	Not used	Signal, headlight vertical aim control Q21 motor, left	
22	22	22	Signal, left auxiliary direction indicator light	
23	23	23	Signal, rear fog light	
24	24	24	Signal, front right direction indicator	
25	25	25	Signal, parking light	
26	26	26	Signal, reversing light	
27	27	27	with xenon headlight without adaptive headlight - Signal, front level sensor	B42
28	28	28	Serial signal (Steering column switch cluster)	
29	29	29	Signal, brake light (auxiliary)	
30	30	30	Signal, brake light	E47
31	31	31	Supply, terminal 15 (from CAS)	
32	32	32	CAN bus low	
33	33	33	Signal, rear fog light	
34	34	34	Signal, fog light	
35	35	35	Signal, low beam	S8
36	36	36	Signal, parking light	
37	37	Supply, Stepper motor R	Signal, headlight vertical aim control Q11 motor, right	
38	38	Supply, Stepper motor L	Signal, headlight vertical aim control Q11 motor, left	
39	39	39	Signal, right auxiliary direction indicator light	
40	40	40	Signal, parking light	
41	41	41	Signal, reversing light	
42	42	42	Signal, brake light	E46
43	43	43	Terminal 58g	
44	44	44	Signal, fog light	
45	45	45	Signal, LED hazard flasher switch	
46	46	46	with xenon headlight without adaptive headlight - Signal, rear level sensor	B69
47	47	47	Supply, terminal 30 (FUSE box front - FUSE nr.6)	
48	48	48	Signal, bi-xenon electric magnet (Conn X13637)	
49	49	49	Signal, licence plate light R	
50	50	50	Signal, high beam R	
51	51	51	Brake light switch signal	S29
52	52	52	Signal, hazard flasher switch	
53	53	53	Signal, low beam L	
54	54	54	with xenon headlight without adaptive headlight - Signal, front level sensor	B42
55	55	55	with xenon headlight without adaptive headlight - Signal, rear level sensor	B69
56	56	56	Ground	
57	57	57	Ground	
58	58	Not used	Signal, headlight vertical aim control Q12 motor, right	
59	59	Not used	Signal, headlight vertical aim control Q12 motor, left	
60	60	60	Signal, LED automatic high beam	S8
61	61	61	Signal, right direction indicator light	E47
62	62	Not used	with xenon headlight - Signal, parking light	
63	63	63	Not used	
64	64	64	Signal, left tail light	E46
65	65	65	Reversing signal	
66	66	66	with xenon headlight without adaptive headlight - Signal, front level sensor	B42
67	67	67	Signal, rear fog light	
68	68	68	Signal, left direction indicator light	
69	69	69	5 V supply	
70	70	70	Ground	S8
71	71	Signal, PT-CAN high	Not used	
72	72	Signal, PT-CAN low	Not used	
73	73	73	Signal, locator lighting	
74	74	74	Signal, instrument lighting dimmer	S8
75	75	Signal, LIN bus R	Signal, headlight vertical aim control Q22 motor, right	
76	76	Signal, LIN bus L	Signal, headlight vertical aim control Q22 motor, left	

Pins: 33,34,35,36,60,69,70,73,74 from LIGHT SWITCH UNIT (Conn X13339)

AHL modul up to 02/2005	
1	Supply, terminal 30
2	Supply, stepper motors L
3	Supply, stepper motors R
4	Ground
5	Sensor ground - Front
6	Sensor ground - Rear
7	Wake-up signal, terminal 15
8	Signal Rear right level sensor
9	Signal Front right level sensor
10	Brake light switch signal
11	Not used
12	Not used
13	Signal PT-CAN high
14	Signal PT-CAN low
15	Supply Front right level sensor
16	Supply Rear right level sensor
17	Signal, LIN bus L
18	Signal, LIN bus R

Prepojenie pinov	
AHL	LM2
2	38
3	37
5	27
6	7
8	55
9	54
13	71
14	72
15	66
16	46
17	76
18	75