



Dearborn Protocol Adapter (DPA) Pinouts Series 2 through 4



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The DPA Product line has been awarded the following U.S. Patents:

6,772,248 - Protocol adapter for in-vehicle networks (8-3-04)

7,152,133 - Expanded functionality protocol adapter for in-vehicle networks (12-19-06)

7,337,245 - Protocol Adapter for Passing Diagnostic Messages between Vehicle Networks and a Host Computer (2-26-08)

1. SERIES 4: DPA4/4+

Pin	DPA 4/4+
Ground	6
Power (9-32vdc)	8
J1708-	14
J1708+	15
CAN1 Shield	7
CAN1 Lo	12
CAN1 Hi	13
CAN1 Term 1	3
CAN1 Term 2	4
SW CAN	10
ALDL	1
ALDL RX	NC
9141 K Line	NC
9141 L Line	NC
J1850 Hi	5
J1850 Lo	NC
CAN2 Term 1	NC
CAN2 Term 2	NC
CAN2 Shield	NC
CAN2 Lo	NC
CAN2 Hi	NC

2. DPA 3 AND 2 SERIES AND LEGACY DPA PRODUCTS

Pin	DPA III	DPA III+ /m	DPA III+ /t DPA III+ /i	DPA III+ /scp	DPA III+ /mh	DPA III+ /c	DPA III+ /tsw	DPA III+ /mhsw	DPA II	DPA II /t	DPA II DDE	DPA ISA	DPA PC/104
Ground	9	9	6	6	9	9	6	9	9	6	6	6	11
Power (9-32vdc)	10	10	8	8	10	10	8	10	10	8	8	NC	NC
J1708 Lo	11	11	14	14	11	11	14	11	11	14	14	14	12
J1708 Hi	12	12	15	15	12	12	15	12	12	15	15	15	14
CAN Shield	13	13	7	7	13	13	7	13	13	7	7	7	13
CAN Lo	14	14	12	12	14	14	12	14	14	12	12	12	8
CAN Hi	15	15	13	13	15	15	13	15	15	13	13	13	10
CAN Term 1	7	3	3	3	3	7	3	3	7	3	3	3	5
CAN Term 2	8	4	4	4	4	8	4	4	8	4	4	4	7
CAN TX	3	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
CAN RX	4	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
SW CAN	NC	NC	NC	10	NC	NC	10	6	NC	NC	NC	NC	NC
ALDL	1	1	1	1	1	1	1	1	NC	NC	NC	1	1
ALDL RX	NC	NC	NC	NC	2	NC	NC	2	NC	NC	NC	NC	NC
Master/Slave 1	2	2	2	2	NC	2	2	NC	NC	NC	NC	2	3
Master/Slave 2	6	6	10	NC	6	6	NC	NC	NC	NC	NC	10	4
9141 K Line	NC	NC	NC	NC	NC	1	NC	NC	NC	NC	NC	NC	NC
9141 L Line	NC	NC	NC	NC	NC	3	NC	NC	NC	NC	NC	NC	NC
J1850 Hi	5	5	5	5	5	5	5	5	NC	NC	NC	5	9
J1850 Lo	NC	NC	NC	9	NC	NC	NC	NC	NC	NC	NC	NC	NC
External Power	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	8	15
External Ground	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	9	2
ATEC Data	NC	7	NC	NC	7	NC	NC	7	NC	NC	NC	NC	NC
ATEC Diag	NC	8	NC	NC	8	NC	NC	8	NC	NC	NC	NC	NC
Discrete In	NC	NC	9	NC	NC	4	9	NC	NC	NC	NC	NC	NC
Discrete Out	NC	NC	11	11	NC	NC	11	NC	NC	NC	NC	NC	NC