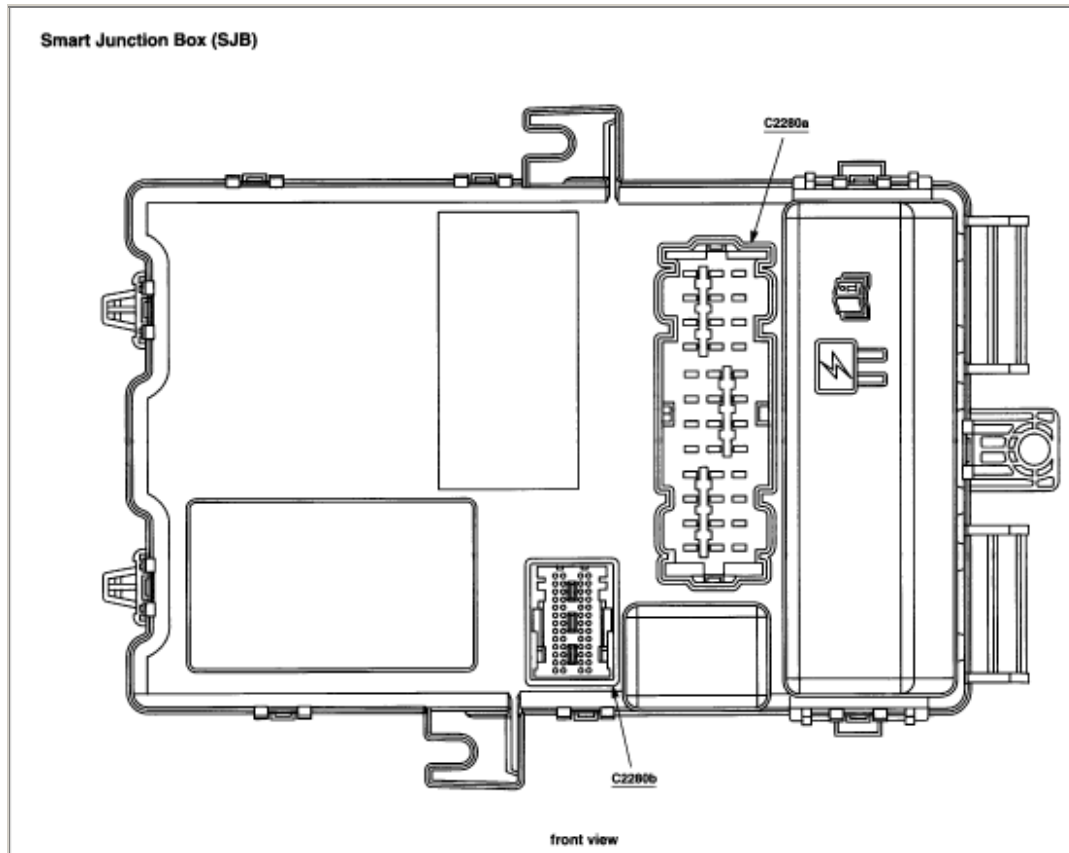
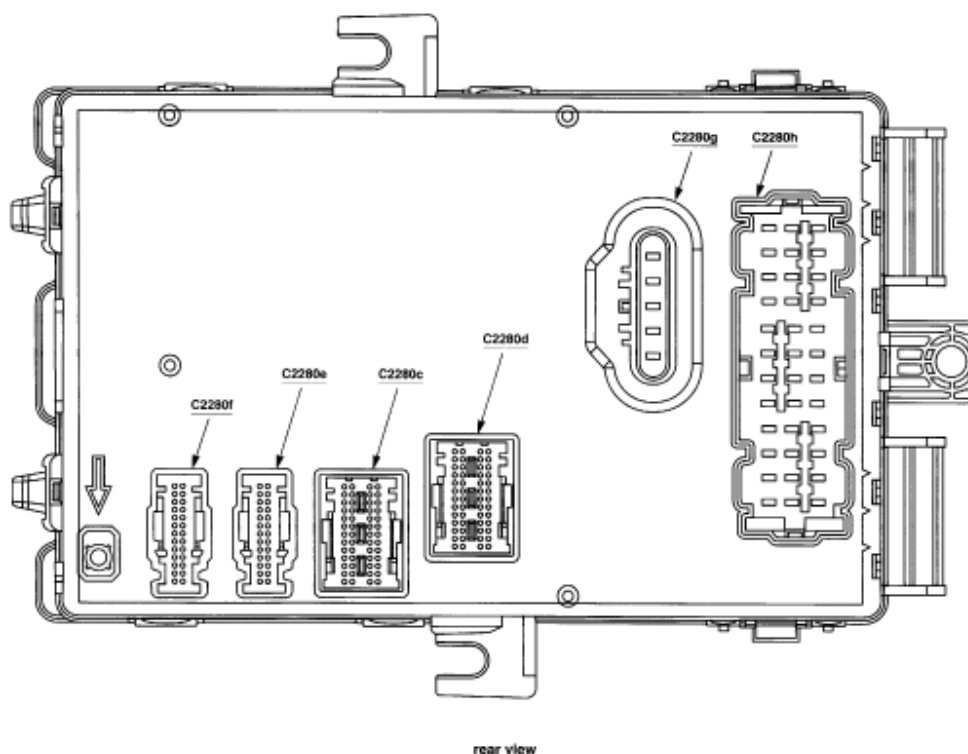


[Notes](#)



[Notes](#)

Smart Junction Box (SJB)

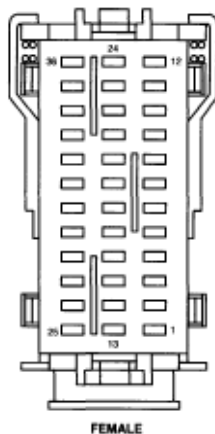


Notes

C2280a (BK)

14401

Smart Junction Box
(SJB) (15604)



Pin	Circuit	Circuit function
1	1205 (BK)	Ground
2	—	not used
3	—	not used
4	—	not used
5	—	not used
6	—	not used
7	—	not used
8	—	not used

Pin	Circuit	Circuit function
9	1266 (RD/YE)	Voltage supplied in Start and Run (overload protected)
	1266 (RD/YE)	Voltage supplied in Start and Run (overload protected)
10	—	not used
11	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
12	1522 (DG)	Voltage supplied in Start (overload protected)
13	—	not used
14	687 (GY/YE)	Accessory relay, switched power, output
15	—	not used
16	—	not used
17	—	not used
18	—	not used
19	—	not used
20	—	not used
21	1566 (RD/YE)	Voltage supplied at all times (overload protected)
22	489 (PK/BK)	Voltage supplied in Start and Run (overload protected)
23	1850 (YE)	Voltage supplied in Start and Run (overload protected)
24	—	not used
25	—	not used
26	—	not used
27	—	not used
28	—	not used
29	—	not used
30	—	not used
31	—	not used
32	1001 (WH/YE)	Voltage supplied at all times (overload protected)
	1047 (LG/RD)	Voltage supplied at all times (overload protected)
33	1812 (BN/WH)	Voltage supplied in Run (overload protected)
34	1000 (RD/BK)	Voltage supplied in Start (overload protected)
35	937 (RD/WH)	Voltage supplied in Start and Run (overload protected)
36	1044 (WH/YE)	Voltage supplied in Start and Run (overload protected)

C2280b

(BU)

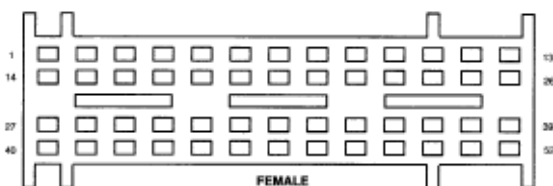
14401

Smart Junction Box
(S-JB) (19694)

The diagram shows a 52-pin female connector. The pins are arranged in two rows of 26 pins each. The top row is labeled with pin numbers 1, 14, 27, and 40. The bottom row is labeled with pin numbers 13, 26, 39, and 52. The word 'FEMALE' is centered below the connector.

Pin	Circuit	Circuit function
1	1405 (LB/BK)	Illumination dimmer, return
2	—	not used
3	—	not used
4	1396 (VT/WH)	Multifunction switch, Signal return
5	—	not used
6	2023 (YE/LB)	Illumination, output
7	1427 (TN/LB)	indicator, Rear window defrost, control
8	1403 (BK/WH)	Illumination, output
9	2030 (YE/WH)	Illumination, output
10	203 (OG/LB)	Illumination, output
11	2029 (LB/WH)	Illumination, output
12	—	not used
13	—	not used
14	2085 (VT/YE)	Front dome lamp, On, signal
15	—	not used
16	—	not used
17	1392 (LG/OG)	Right turn signal, signal
18	1426 (PK)	Rear window defrost, On/Off signal
19	—	not used
20	—	not used
21	—	not used
22	—	not used
23	1425 (GY/WH)	Illumination, Power
24	1689 (RD/WH)	Hazard, switch, signal
25	—	not used
26	—	not used

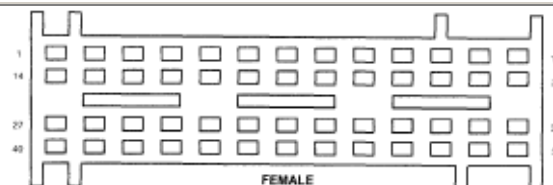
Pin	Circuit	Circuit function
27	1400 (TN/WH)	Headlamps, Off, signal
28	—	not used
29	1397 (GY/RD)	A/C demand signal
30	—	not used
31	1401 (BK/LG)	Park lamps, On, signal
32	1036 (BN/WH)	Illumination dimmer, Reference voltage
33	—	not used
34	1669 (OG/LG)	Fog lamps, On, signal
35	—	not used
36	—	not used
37	—	not used
38	—	not used
39	1 (DB)	Horn switch, control
40	1395 (RD/PK)	Low beam, signal
41	—	not used
42	—	not used
43	1035 (OG/RD)	Illumination dimmer, signal
44	—	not used
45	1394 (WH/RD)	High Beam/Flash-to-Pass, signal
46	1402 (RD/WH)	Headlamps, On, signal
47	—	not used
48	1393 (LB/RD)	Left turn signal, signal
49	—	not used
50	1847 (WH/OG)	Medium speed CAN +
51	1848 (PK/OG)	Medium speed CAN -
52	—	not used

C2280c (BK)**14A005**Smart Junction Box
(SJB) (15604)

Pin	Circuit	Circuit function
1	1708 (LG/BK)	High beam relay, control
2	1347 (DB/WH)	Fog lamp relay, control
3	—	not used
4	—	not used
5	—	not used
6	—	not used
7	—	not used
8	—	not used
9	—	not used
10	—	not used
11	586 (VT)	Convertible top raise relay, control
12	1389 (WH)	Rear window defrost relay, control
13	26 (WH/VT)	Trailer tow relay, parking lamp, control
14	—	not used
15	1711 (VT/OG)	Anti-theft hood switch, switch sense
16	—	not used
17	1351 (TN)	Luggage compartment lid ajar switch, signal
18	1558 (TN/BK)	Convertible Top, Up
19	700 (WH/VT)	Convertible Top, Down
20	2012 (RD/BK)	rear window, Down
21	1350 (WH/PK)	Anti-theft luggage compartment switch, disarm
22	—	not used
23	—	not used
24	—	not used
25	—	not used
26	1174 (WH/RD)	Convertible top lower relay, control

Pin	Circuit	Circuit function
27	—	not used
28	—	not used
29	1323 (OG/RD)	Horn relay, control
30	—	not used
31	1357 (LB/YE)	Fuel sender, Level, return
32	—	not used
33	—	not used
34	—	not used
35	512 (TN/LG)	Signal return
36	—	not used
37	—	not used
38	—	not used
39	—	not used
40	—	not used
41	—	not used
42	208 (GY)	Oil pressure switch, signal
43	29 (YE/WH)	Fuel sender, Level 2, signal
44	1356 (LG/VT)	Fuel sender, Level 1, signal
45	—	not used
46	—	not used
47	—	not used
48	547 (LG/YE)	Brake fluid level switch, signal
49	—	not used
50	1309 (RD/YE)	Parking brake switch, signal
51	—	not used
52	2014 (YE/LB)	rear window, Down

Notes

C2280d (GY)**14A005**Smart Junction Box
(SJB) (15604)

Pin	Circuit	Circuit function
1	—	not used
2	—	not used
3	—	not used
4	—	not used
5	2032 (LB)	Power window motor, left front, pulse data
6	2031 (GY/PK)	Power window motor, right front, pulse data
7	—	not used
8	—	not used
9	—	not used
10	—	not used
11	—	not used
12	1324 (BK/LG)	Anti-theft horn, output
13	1367 (WH/YE)	Voltage supplied in reverse
14	1363 (WH/RD)	Turn lamps, feed, left rear
15	1361 (RD/PK)	Power, Exterior lamps
16	667 (WH/RD)	Side lamp, left front, feed
17	14 (BN)	Side lamp, right front, feed
18	1728 (LB/OG)	Turn lamps, feed, left rear
19	2020 (GY/YE)	Power window motor, left rear, pulse data
20	2021 (WH/YE)	Power window motor, right rear, pulse data
21	—	not used
22	—	not used
23	—	not used
24	1784 (TN/RD)	Tail lamp, left, feed
25	—	not used
26	1362 (DG/OG)	Voltage supplied in reverse
27	—	not used

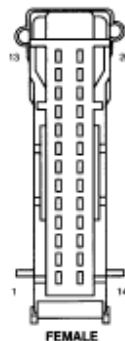
Pin	Circuit	Circuit function
28	—	not used
29	1340 (DG)	Power, Exterior lamps
30	1364 (DB/YE)	Power, Exterior lamps
31	1339 (BK/PK)	Power, Exterior lamps
32	1366 (TN/RD)	Power, Exterior lamps
33	—	not used
34	—	not used
35	—	not used
36	—	not used
37	1370 (DG/LG)	License lamps, feed
38	1729 (DB/YE)	Tail lamp, right, feed
39	1374 (TN/LB)	Second brake pedal position switch, output
40	1783 (RD/WH)	Turn lamps, feed, right rear
41	1341 (DB/OG)	Turn lamps, feed, right front
42	—	not used
43	—	not used
44	1040 (RD/BK)	Park interlock solenoid, control
45	—	not used
46	1342 (GY/BK)	Turn lamps, feed, left front
47	1783 (RD/WH)	Turn lamps, feed, right rear
48	1336 (LG/WH)	Low beam lamp, right front, feed
49	—	not used
50	—	not used
51	1338 (WH)	Low beam lamp, left front, feed
52	—	not used

Notes

C2280e (BK)

14A005

Smart Junction Box
(SJB) (15504)



Pin	Circuit	Circuit function
1	1317 (DB/LG)	Driver front door lock switch, Door unlock, signal
2	1312 (LG/BK)	Door ajar switch, left front, signal
3	1316 (WH/VT)	Driver front door lock switch, Door lock, signal
4	—	not used
5	1297 (YE/RD)	Door lock switch, passenger side, Door unlock, signal
6	1314 (YE/LG)	Door ajar switch, right front, signal
7	—	not used
8	1296 (OG/BK)	Door lock switch, passenger side, Door lock, signal
9	1313 (LB/BK)	Anti-theft inhibit switch, disarm
10	—	not used
11	—	not used
12	19 (LB/RD)	Illumination, Power
13	—	not used

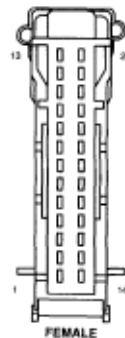
Pin	Circuit	Circuit function
14	—	not used
15	707 (WH/YE)	Luggage compartment lamp, feed
16	882 (BN/YE)	Accessory delay relay, output, (overload protected)
17	193 (YE/LG)	Accessory delay relay, output, (overload protected)
18	1315 (LB/PK)	Anti-theft inhibit switch, Set
19	958 (OG/LG)	Voltage supplied at all times (overload protected)
20	—	not used
21	—	not used
22	—	not used
23	333 (YE/RD)	Accessory delay relay, output, (overload protected)
24	—	not used
25	984 (YE/LB)	Accessory delay relay, output, (overload protected)
26	985 (RD/LB)	Accessory delay relay, output, (overload protected)

Notes

C2280f (GY)

14A005

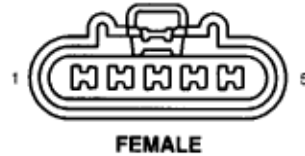
Smart Junction Box
(SJB) (15504)



Pin	Circuit	Circuit function
1	—	not used
2	—	not used
3	—	not used
4	—	not used
5	—	not used
6	293 (OG/RD)	Convertible top switch, Illumination, feed
7	—	not used
8	645 (WH/LB)	Voltage supplied at all times (overload protected)
9	—	not used
10	—	not used
11	—	not used
12	—	not used
13	—	not used

Pin	Circuit	Circuit function
14	340 (RD/LB)	Intrusion sensor module, TX/RX
15	2052 (VT/OG)	Convertible top switch, Up
16	2038 (LB/OG)	Convertible top switch, Down
17	—	not used
18	—	not used
19	—	not used
20	—	not used
21	—	not used
22	—	not used
23	—	not used
24	—	not used
25	54 (LG/YE)	Interior lamps, return
26	53 (BK/LB)	Interior lamps, feed

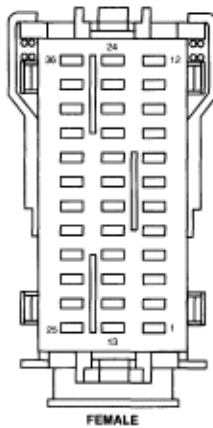
Notes

C2280g (BK)**14A005**Smart Junction Box
(SJB) (15604)

Pin	Circuit	Circuit function
1	1329 (YE)	Door lock actuator, left front, Unlock
2	170 (RD/LB) 400 (LB/BK)	Accessory delay relay 1, output
3	1328 (RD/OG)	Door lock actuator, left front, Lock
4	—	not used
5	—	not used

[Notes](#)**C2280h** (GY)**14A005**Smart Junction Box
(SJB) (15604)

* with ABS



Pin	Circuit	Circuit function
1	294 (WH/LB)	Voltage supplied at all times (overload protected)
2	—	not used
3	—	not used
4	599 (PK/LG)	Brake pedal position switch (13480), signal
5	1415 (LB/YE)	Voltage in Run or Accessory (overload protected)
6	2025 (RD/YE)	Voltage in Run or Accessory (overload protected)
7	1322 (BN/WH)	Voltage in Run or Accessory (overload protected)
8	—	not used
9	1205 (BK)	Ground
10	—	not used

Pin	Circuit	Circuit function
10	10 (LG/RD)	Voltage supplied at all times (overload protected)
11	1523 (DG)	Voltage supplied at all times (overload protected)
12	1140 (VT)	Voltage supplied in Start and Run (overload protected)
13	—	not used
14	1384 (LB)	Door lock actuator, right front, Unlock
15	—	not used
16	511 (LG)	signal Hot with BPP switch engaged
17	—	not used
18	32 (RD/LB)	Voltage supplied in Start (overload protected)
19	—	not used
20	—	not used
21	—	not used
22	1205 (BK)	Ground
23	1715 (RD)	Voltage supplied in Start and Run (overload protected)
24	1890 (RD)	Voltage supplied in Start and Run (overload protected)
25	*1844 (LG/RD)	Voltage supplied in Start and Run (overload protected)
26	—	not used
27	1383 (RD)	Door lock actuator, right front, Lock
28	—	not used
29	1679 (WH/YE)	Voltage supplied at all times (overload protected)
30	—	not used
31	905 (GY/LB)	Voltage supplied at all times (overload protected)
32	1052 (TN/BK)	Voltage supplied at all times (overload protected)
33	—	not used
34	298 (VT/OG)	Voltage supplied in Start and Run (overload protected)
35	—	not used
36	937 (RD/WH)	Voltage supplied in Start and Run (overload protected)