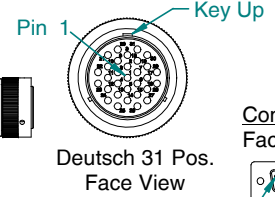


A

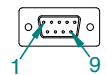
Deutsch  
31 Pos.

Pos.	Color	Function
1	Green	Com 2 Signal Ground
2	Orange	Com 2 Transmit Data
3	Red	Com 2 Receive Data
4	Orange	CAN High
5	Black	CAN Low
6	White	CAN Shield
7	Red	USB +5v
8	Green	Com 1 Signal Ground
9	Orange	Com 1 Transmit Data
10	Red	Com 1 Receive Data
11	n/a	
12	n/a	
13	n/a	
14	n/a	
15	Black	USB Shield
16	n/a	
17	Green	CAN Ground
18	Red	CAN +V Out
19	White	USB Data
20	Gray	Com 2 Clear to Send
21	Purple	Com 2 Request to Send
22	Purple	Com 1 Request to Send
23	Gray	Com 1 Clear to Send
24	n/a	
25	n/a	
26	n/a	
27	n/a	
28	n/a	
29	n/a	
30	Green	USB +Data
31	Black	USB Ground

B



Com 1 & 2  
Face View

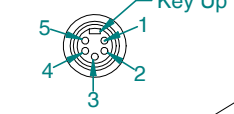


C

Com 1 & Com 2  
DB-9 Pin

Position	Color	Function
1	n/a	
2	Red	Receive Data
3	Orange	Transmit Data
4	n/a	
5	Green	Signal Ground
6	N/a	
7	Purple	Request to Send
8	Gray	Clear to Send
9	n/a	

CAN  
Female Side (Skts)  
Face View



D

CAN Cable  
5 Position Skts

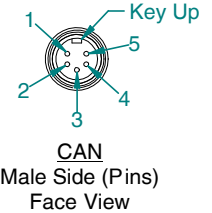
Position	Color	Function
1	White	CAN Shield
2	Red	CAN (+V) Out
3	Green	CAN Ground
4	Orange	CAN High
5	Black	CAN Low

USB  
Female 4 Pos Connector

Position	Color	Function
1	Red	(+5v)
2	White	(-) Data
3	Green	(+) Data
4	Black	Ground

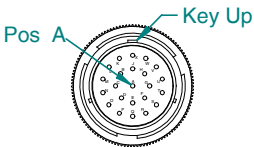
CAN Cable  
5 Position Pins

Pos.	Color	Function
1	White	CAN Shield
2	Red	CAN (+V) Out
3	Green	CAN Ground
4	Orange	CAN High
5	Black	CAN Low



9.00  
9.00

Deutsch 23 Pos.  
Face View

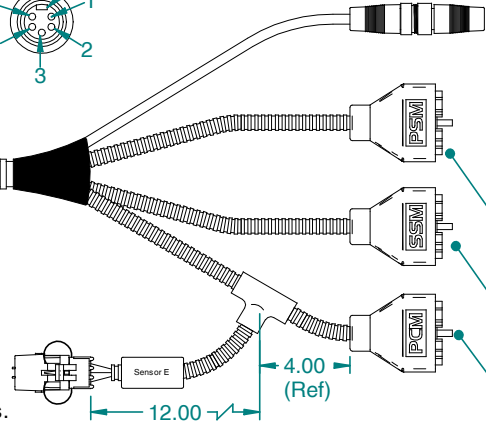


Deutsch  
23 Pos.

Pos.	Color	Function
A	Red	Bat. +V Input
B	Blk	Bat. Gnd Input
C	Red	Ignition Sense
D	n/a	
E	Brn	Boom Sense 1
F	Red	Boom Sense 2
G	Org	Boom Sense 3
H	Yel	Boom Sense 4
J	Grn	Boom Sense 5
K	Blu	Boom Sense 6
L	Pur	Boom Sense 7
M	Blk	Boom Sense 8
N	Wht	Boom Sense 9
O	n/a	
P	Wht	Sensor E Input (A/D)
Q	Blk	Valve Open
R	n/a	
S	Red	Sensor +V (PTC1)
T	Grn	Sensor Gnd
U	Brn	Sensor A Input (A/D)
V	n/a	
W	Wht	Freq. 1 Input
X	Blk	Ground

WeatherPack 3 Pos.

Pos	Color	Function
A	Black	Sensor Ground
B	Red	Sensor 'E' (+V) (PTC2)
C	White	Sensor 'E' Input (A/D)



PCM, SSM, PSM  
Position, Color, and Function  
on next page

Note: 1.0 All dimensions are displayed in "Inches" unless otherwise specified.

MATERIAL: n/a		Midwest Technologies IL, LLC	
FINISH: n/a		TITLE: Harness to SPX4260C	
PROJECTION:	SCALE: UNITS: INCH: X METRIC: n/a	DRAWN BY: Bryan Reiser	
UNLESS OTHERWISE SPECIFIED TOLERANCE:		CHECKED BY: Amy Neubauer	
RD 7/28/03 10258	0-1" +/- .1" 10-60" +/- 1" 3XX	APPROVED BY:	
REV. DATE NOC No	1-5" +/- .25" 60-120" +/- 2" 120" +/- 3"	SHEET No: 1 of 2 DWS No: C-45-10063	
Midwest Technologies IL, LLC. Claims proprietary right in the material disclosed hereon. This document is not to be used in any way detrimental to the interest of Midwest Technologies IL, LLC.			

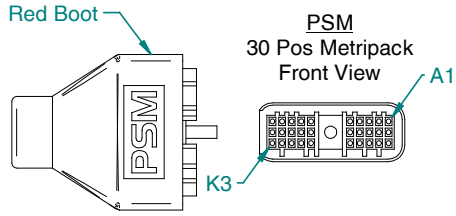
1

2

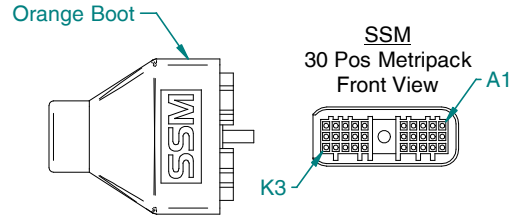
3

4

A



B

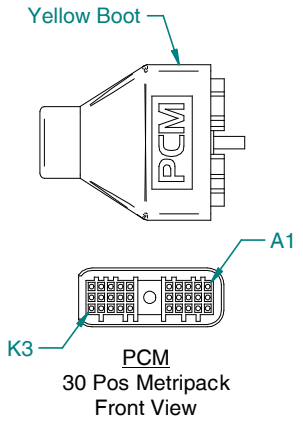


C

D

**PCM**  
30 Pos Metripack

Position	Color	Function
A1	Red	CAN (+V) Out
A2	Orange	CAN High
A3	Black	CAN Low
B1	Green	CAN Ground
B2	White	CAN Shield
B3	n/a	
C1	Green	Sensor 'A' Ground
C2	n/a	
C3	n/a	
D1	Brown	Sensor 'A' Signal
D2	n/a	
D3	White	Sensor 'E' Input (A/D)
E1	Red	Sensor 'A' +V (PTC1)
E2	n/a	
E3	Red	Sensor 'E' +V (PTC2a)
F1	Black	Valve Open
F2	n/a	
F3	Black	Sensor Ground
G1	Green	Valve Close
G2	n/a	
G3	n/a	
H1	n/a	
H2	Black	Bat. Ground Input
H3	n/a	
J1	n/a	
J2	n/a	
J3	n/a	
K1	Red	Bat. (+V) Input
K2	n/a	
K3	n/a	



**PSM**  
30 Pos Metripack

Position	Color	Function
A1	Red	CAN (+V) Out
A2	Orange	CAN High
A3	Black	CAN Low
B1	Green	CAN Ground
B2	White	CAN Shield
B3	n/a	
C1	n/a	
C2	n/a	
C3	n/a	
D1	n/a	
D2	n/a	
D3	n/a	
E1	n/a	
E2	n/a	
E3	n/a	
F1	White	Freq. 1 Input
F2	n/a	
F3	n/a	
G1	n/a	
G2	Black	Ground
G3	n/a	
H1	n/a	
H2	Black	Bat. Ground Input
H3	n/a	
J1	Red/Wht	Ignition
J2	n/a	
J3	n/a	
K1	Red	Bat. (+V) Input
K2	n/a	
K3	n/a	

**SSM**  
30 Position Metripack

Pos	Color	Function
A1	Red	CAN (+V) Out
A2	Orange	CAN Hi
A3	Black	CAN Low
B1	Green	CAN Ground
B2	White	CAN Shield
B3	Red/Wht	GSO (+V) ptc 2
C1	n/a	
C2	Red/Blk	IMP Status (+V) ptc 2
C3	n/a	
D1	n/a	
D2	n/a	
D3	n/a	
E1	n/a	
E2	n/a	
E3	n/a	
F1	n/a	
F2	n/a	
F3	n/a	
G1	n/a	
G2	White	Boom 9
G3	Black	Boom 8
H1	Purple	Boom 7
H2	Blue	Boom 6
H3	Green	Boom 5
J1	Yellow	Boom 4
J2	Orange	Boom 3
J3	Red	Boom 2
K1	Brown	Boom 1
K2	Red/Blk	IMP Status 12v Active
K3	Red/Wht	GSO 12v Active

MATERIAL:	n/a	
FINISH:	n/a	
PROJECTION:		TITLE: Harness to SPX4260C
SCALE: INCH: $\frac{x}{n/a}$ METRIC: $\frac{x}{n/a}$		DRAWN BY: <i>Rayon Reiser</i>
UNLESS OTHERWISE SPECIFIED TOLERANCE:		CHECKED BY: <i>Ray Reiser</i>
0-1" +.1-.1"	10-60" +.1-.1"	SHEET No: <b>2of2</b>
1-5" +.25-.25"	60-120" +.5-.5"	DWS No: <b>C-45-10063</b>
5-10" +.5-.5"	120" +.5-.5"	APPROVED BY: <i>Scott Leutner</i>
RD 7/28/03 10258	REV. DATE NDC No	Midwest Technologies IL, LLC. Claims proprietary right in the material disclosed herein. This document is not to be used in any way detrimental to the interest of Midwest Technologies IL, LLC.