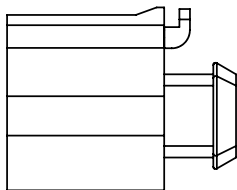
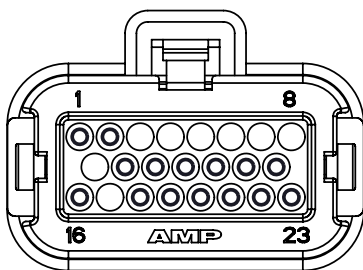
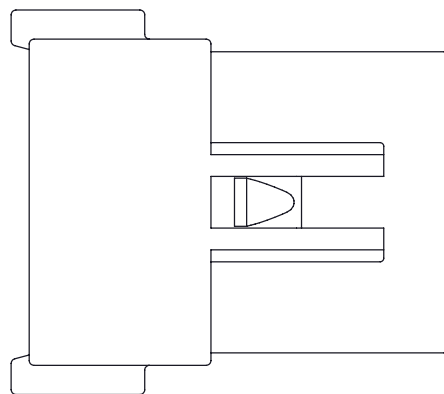
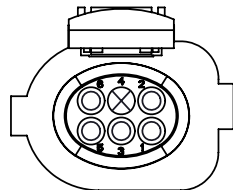


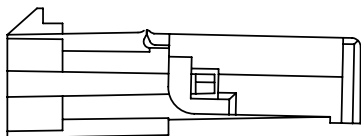
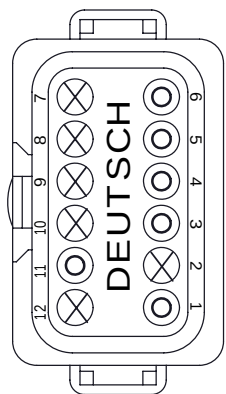
CONNECTOR A



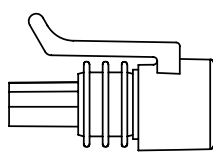
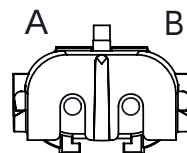
CONNECTOR B



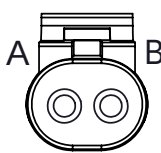
CONNECTOR C



CONNECTOR D

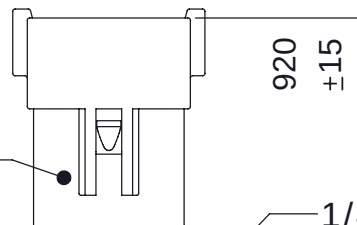


CONNECTOR E



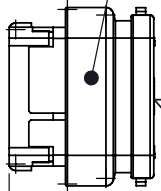
CONNECTOR C

DEUTSCH DT04-12PA
TERMINALS: 1060-16-0122
PLUGS: 114017
SECONDARY LOCK: W12P



CONNECTOR A

TYCO 770680-1
TERMINALS: 770520-1
PLUGS (OPTIONAL): 770678-1



CABLE TIE
AT BREAKOUT

1/4" NOMINAL
SPLIT SLEEVING
4 PLACES

3/8" NOMINAL
SPLIT SLEEVING

CONNECTOR D

DELPHI 12010973
TERMINALS: 12089188
SEALS: 12089444

0

200 ±20

CONNECTOR B

TYCO 284716-2RW
TERMINALS: 962876-1
SEALS: 963530-1
PLUG: 963531-1



CONNECTOR E

DELPHI 12162193
TERMINALS: 12124075

Primary Units		Third Angle Proj.	
☒ Metric (mm)			
☐ English (inch)			
Tolerances If Not Specified			
Metric:	English:		
0...6 ±.2	X.X ±.1		
>6...30 ±.3	X.XX ±.01		
>30 ±.5	X.XXX ±.005		
Angles ±1	Angles ±1		

K. HULTQUIST	8-FEB-2007	CAD
Drawn By	Date	Drawing

NOTES:

1. SPLIT SLEEVING TAPED AT ENDS WITH BLACK TAPE ASTM 75
2. SELF-LAMINATING LABEL WITH CUSTOMER P/N, CHIEF P/N, AND DATE CODE
3. CONNECTOR A (TYCO 770680-1) MAY HAVE SEALING PLUGS AT CHIEF'S OPTION
4. ALL WIRE 18 AWG TXL, WHITE
5. ULTRASONIC SPLICES COVERED WITH SHRINK TUBE
6. WIRES FROM CONNECTOR A TO CONNECTOR D ARE TWISTED MIN 6 FULL TURNS

PRELIMINARY



Connector A: Tyco 770680-1								
Pos	Ref	Terminal	Seal	Plug	Color	AWG	Connects	Wire #
1	A-1	770520-1	-	-	White	18	B-3	W4A
2	A-2	770520-1	-	-	White	18	B-5	W4A
3	A-3	-	-	(770678-1)	-	18	-	-
4	A-4	-	-	(770678-1)	-	18	-	-
5	A-5	-	-	(770678-1)	-	18	-	-
6	A-6	-	-	(770678-1)	-	18	-	-
7	A-7	-	-	(770678-1)	-	18	-	-
8	A-8	-	-	(770678-1)	-	18	-	-
9	A-9	-	-	(770678-1)	-	18	-	-
10	A-10	770520-1	-	-	White	18	C-5	W1
11	A-11	770520-1	-	-	White	18	A15, C-1	W2A
12	A-12	770520-1	-	-	White	18	B-1	W4A
13	A-13	770520-1	-	-	White	18	C-6	W1
14	A-14	770520-1	-	-	White	18	C-4	W1
15	A-15	770520-1	-	-	White	18	A11, C-1	W2A
16	A-16	770520-1	-	-	White	18	B-2	W4A
17	A-17	-	-	(770678-1)	-	18	-	-
18	A-18	770520-1	-	-	White	18	E-A	W6A
19	A-19	770520-1	-	-	White	18	B-6, E-B	W7A
20	A-20	770520-1	-	-	White	18	D-A	W5A
21	A-21	770520-1	-	-	White	18	D-B	W5A
22	A-22	770520-1	-	-	White	18	C-11	W1
23	A-23	770520-1	-	-	White	18	C-3	W1

Connector B: Tyco 284716-2RW

Pos	Ref	Terminal	Seal	Plug	Color	AWG	Connects	Wire #
1	B-1	962876-1	963530-1	-	White	18	A-12	W4A
2	B-2	962876-1	963530-1	-	White	18	A-16	W4A
3	B-3	962876-1	963530-1	-	White	18	A-1	W4A
4	B-4	-	-	963531-1	-	-	-	-
5	B-5	962876-1	963530-1	-	White	18	A-2	W4A
6	B-6	962876-1	963530-1	-	White	18	A-19, E-B	W7A

Connector C: Deutsch DT04-12PA

Pos	Ref	Terminal	Seal	Plug	Color	AWG	Connects	Wire #
1	C-1	1060-16-0122	-	-	White	18	A-11,A-15	W2A
2	C-2	-	-	114017	-	-	-	-
3	C-3	1060-16-0122	-	-	White	18	A-23	W1
4	C-4	1060-16-0122	-	-	White	18	A-14	W1
5	C-5	1060-16-0122	-	-	White	18	A-10	W1
6	C-6	1060-16-0122	-	-	White	18	A-13	W1
7	C-7	-	-	114017	-	-	-	-
8	C-8	-	-	114017	-	-	-	-
9	C-9	-	-	114017	-	-	-	-
10	C-10	-	-	114017	-	-	-	-
11	C-11	1060-16-0122	-	-	White	18	A-22	W1
12	C-12	-	-	114017	-	-	-	-

Connector D: Delphi 12010973

Pos	Ref	Terminal	Seal	Plug	Color	AWG	Connects	Wire #
A	D-A	12089188	12089444	-	White	18	A-20	W5A
B	D-B	12089188	12089444	-	White	18	A-21	W5A

Connector E: Delphi 12162193

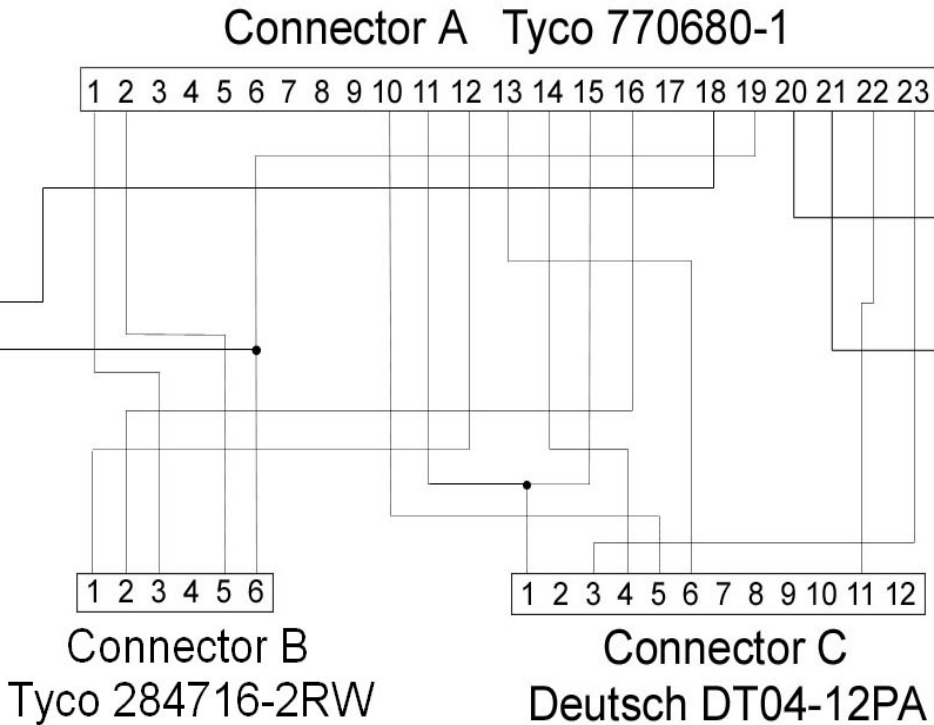
Pos	Ref	Terminal	Seal	Plug	Color	AWG	Connects	Wire #
A	E-A	12124075	-	-	White	18	A-18	W6A
B	E-B	12124075	-	-	White	18	B-6, A-19	W7A

Part Number

CEH119-03

PRELIMINARY

Connector E
Delphi 12162193



Connector D
Delphi 12010973

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It is the users responsibility to verify that this drawing is still active and that this is latest rev.

Primary Units ☒ Metric (mm) ☐ English (inch)		Third Angle Proj. 								 Chief Enterprises, Inc. Making Performance Products Perform for You		Part Number CEH119-03						
Tolerances If Not Specified Metric: English: 0...6 ±.2 X.X ±.1 >6...30 ±.3 X.XX ±.01 >30 ±.5 X.XXX ±.005 Angles ±1 Angles ±1						Part Name WIRE HARNESS												
						Scale NONE												
K. HULTQUIST		8-FEB-2007									Part Name							
Drawn By		Date				Rev	Change	By	Date	Chk	Title Block: b-format.slddrt		Do Not Scale Drawing		B Size 11 x 17		Sheet 2 of 2	