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D	<div><div>1 ALL wire is 16 AWG TXL, SAE J1128-TXL, COLOR BLACK UNLESS OTHERWISE SPECIFIED</div><div>2 Wire to be secured in manner specified using approved materials.</div><div>3 Connector specified may be replaced with equivalent substitutions upon approval.</div><div>4 Terminal specifications are as appropriate for each connector and wire specified.</div><div>5 All crimp terminals are to be applied as per the appropriate application specification.</div><div>6 All harnesses are to be packaged together by harness assembly/sub-assembly, supplied bulk per order.</div><div>7 All harnesses will have a polyolefin heat shrink label applied 4.0 inches from the connector back shell when indicated on the drawing.</div></div> <div>The format for the label will be 2 lines:<div>[assembly name]</div><div>[vendor code – supplied with order][Order or Manufacturing Date in ISO-8601 ordinal date format without the hyphen]</div></div>																																																																																																																																																																																																																																			
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REV.	DESCRIPTION		DATE	BY
A	INITIAL REVISION		08/20/2022	BAF
B	ADDED ASSEMBLY NOTES, CHANGED		12/01/2022	BAF
	QUANTITIES, AND ADDED LABEL DATA			
C	FIXED X1 DESIGNATIONS AND X2/X3 PN		05/08/2023	BAF

NOTES:

This document lists the quantities required of each sub-assembly for each full harness assembly and which devices use which harness assemblies:

- AVWS Units require AVWS/ACU Power Harness Only
- ACU Units require AVWS/ACU Power Harness, ACU Zone Input Harness, ACU Zone Output Harness
- Both Units can use the optional AVWS/ACU Battery Power Adapter

DIMENSION STYLE INCH TOLERANCES +/- 0.125 Unless Otherwise Specified		AVWS/ACU HARNESS ASSEMBLIES			
		Alert Warning Systems, Inc 10758 Trenton Ave, St. Louis, Missouri 63132 (314) 635-6500			
DRAWN BY BAF	DATE 06/08/2022	SIZE 11x17	HARNESS VERSION 1.0	PART NO N/A	REV C
REVISED BY BAF	DATE 05/08/2023	SCALE	N/A	SHEET	1 OF 8

8	7	6	5	4	3	2	1
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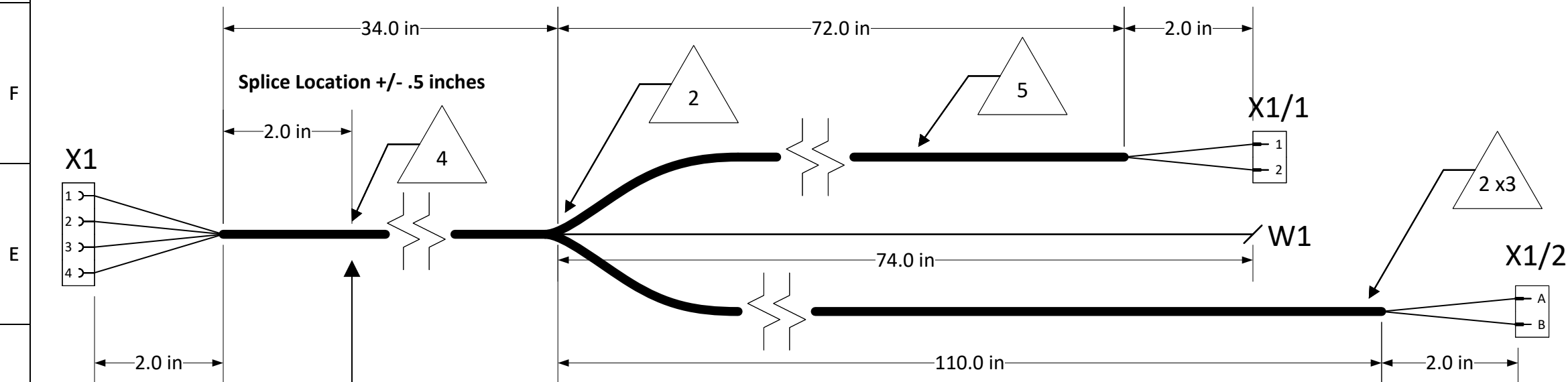
X1 – Molex 19418-0004 MX150L			
CAVITY	TO	AWG	COLOR
X1-1	X1/2-A	16	GREY
X1-2	X1/1-1	14	ORANGE
X1-3	W1	16	RED WHITE
X1-4	SPLICE (#4)	14	BLACK
SPLICE (#4)	X1/1-2	14	BLACK
SPLICE (#4)	X1/2-B	16	BLACK

REV.	DESCRIPTION	DATE	BY
A	INITIAL REVISION	08/20/2022	BAF
B	ADDED ASSEMBLY NOTES, CHANGED	12/01/2022	BAF
	QUANTITIES, AND ADDED LABEL DATA		
C	FIXED X1 DESIGNATIONS AND X2/X3 PN	05/08/2023	BAF

X1/1 – Molex 33481-2201 MX150			
CAVITY	TO	AWG	COLOR
X1/1-1	X1-2	14	ORANGE
X1/1-2	SPLICE (#4)	14	BLACK
SPLICE (#4)	X1-4	14	BLACK

W1 – See Note 3		
TO	AWG	COLOR
X1-3	16	RED WHITE

X1/2 – APTIV 12010973 WEATHER-PACK			
CAVITY	TO	AWG	COLOR
X1/2-A	X1-2	16	GREY
X1/2-B	SPLICE (#4)	16	BLACK
SPLICE (#4)	X1-4	14	BLACK



ACU-X1-MAIN
VCODEYYYYDDD

Label Data

ITEM	QTY.	PART NO.	DESCRIPTION
X1	1	19418-0004	MX150L Assy FEMALE RCPT, 2x2, CPA, BK, 14-16 AWG
X1/1	1	33481-2201	MX150 Assy MALE PLUG, 1x2, CPA, BK, KEY A, 14-16 AWG
		33481-0201	*MAY BE SUBSTITUTED FOR X2
X1/2	1	12010973	APTIV Assy, MALE, Weather-Pack Sealed, 1x2

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NOTES:

- 1 Terminals are appropriate for the connector, wire size, and crimp method utilized in accordance with manufacturer's guidelines. Refer to MOLEX Application Specification AS-19417-001 for MX150L and MOLEX Application Specification AS-33472-100 for MX150. Refer to APTIV Documentation as appropriate.
- 2 Exposed ends and junctions of braided sleeving are covered with black polyolefin adhesive lined heat shrink, minimum 1 inch total in length.
- 3 Free Wire end to be capped with black polyolefin adhesive lined heat shrink minimum 1 inch total in length OR polyolefin adhesive lined heat shrink "cap".
- 4 Splice Connection between wires to be made with a Terminal Crimp Band. Actual Terminal crimp Band selection and application to be in accordance with manufacturer's guidelines for the chosen wire size. Splices are to be sealed with adhesive lined polyolefin heat shrink.
- 5 Black TechFlex Flexo PET or equivalent sized according to the wire bundle.

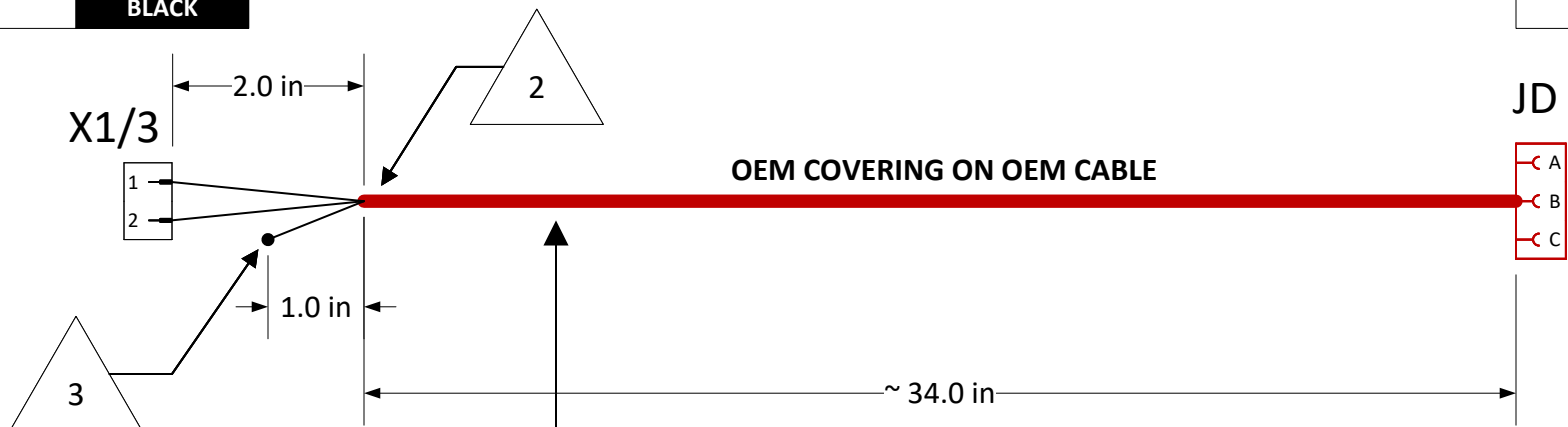
DIMENSION STYLE INCH TOLERANCES +/- 0.125 Unless Otherwise Specified		ACU-X1-MAIN			
		Alert Warning Systems, Inc 10758 Trenton Ave, St. Louis, Missouri 63132 (314) 635-6500			
DRAWN BY BAF	DATE 06/08/2022	SIZE 11x17	HARNES VERSION 1.0	PART NO N/A	REV C
REVISED BY BAF	DATE 05/08/2023	SCALE N/A		SHEET 2 OF 8	

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REV.	DESCRIPTION	DATE	BY
A	INITIAL REVISION	08/20/2022	BAF
B	ADDED ASSEMBLY NOTES, CHANGED	12/01/2022	BAF
	QUANTITIES, AND ADDED LABEL DATA		
C	FIXED X1 DESIGNATIONS AND X2/X3 PN	05/08/2023	BAF

JD – John Deere RE67013 Std Pwr Cbl			
CAVITY	TO	AWG	COLOR
A	CAPPED		RED
B	X1/3-2		BLACK
C	X1/3-1		ORANGE

X1/3 – Molex 33471-0206 MX150, CPA, BLK, KEY A			
CAVITY	TO	AWG	COLOR
X1/3-1	JD C		ORANGE
X1/3-2	JD B		BLACK



NOTES:

- 1 Terminals are appropriate for the connector, wire size, and crimp method utilized in accordance with manufacturer's guidelines. Refer to MOLEX Application Specification AS-19417-001 for MX150L and MOLEX Application Specification AS-33472-100 for MX150. Refer to APTIV Documentation as appropriate.
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- 5 ~~Black TechFlex Flexo PET or equivalent sized according to the wire bundle.~~

ITEM	QTY.	PART NO.	DESCRIPTION
X1/3	1	33471-0206	MX150 Assy FEMALE RCPT, 1x2, CPA, BLK, KEY A
JD	1	RE67013	John Deere Standard Power Cable, ~36.00 inches

DIMENSION STYLE INCH TOLERANCES +/- 0.125 Unless Otherwise Specified		ACU-X1-JD			
		Alert Warning Systems, Inc 10758 Trenton Ave, St. Louis, Missouri 63132 (314) 635-6500			
DRAWN BY BAF	DATE 06/08/2022	SIZE 11x17	HARNESS VERSION 1.0	PART NO N/A	REV C
REVISED BY BAF	DATE 05/08/2023	SCALE N/A		SHEET 3 OF 8	

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