

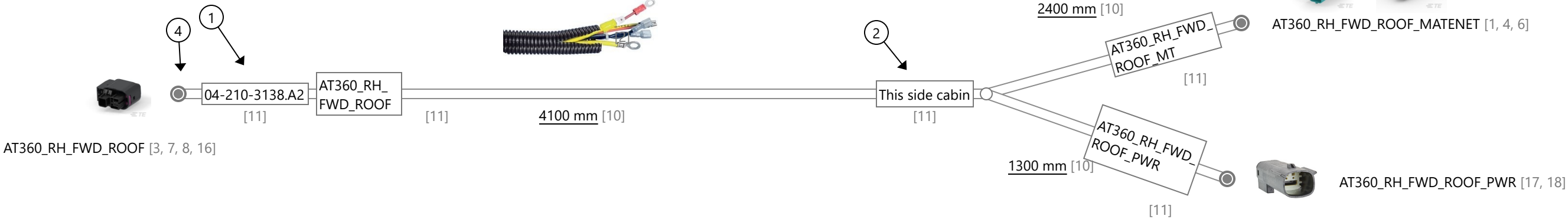
Revisions			
Rev.	Date	Author	Description
A1	11/7/2025	Jose Castellanos	Initial version
A2	1/28/2026	Emerson Sandoval	Wire Spec Updated and Leoni Ethernet Cable added

Notes	
①	Apply part number label every 1 meter.
②	Indicating this sides goes into the cab.
③	Minium of 1 twist per inch for twisted pairs
④	Place device labels 20mm from connectors


Bill of Materials				
Id	Type	Manufacturer	Part Number	Quantity
1		TE Connectivity	2302450-1	1
2		Panduit	CLT38N-C630	1
3	Connector	TE Connectivity / AMP	2397144-1	1
4	Connector	TE Connectivity / AMP	2302454-9	1
6	Contact	TE Connectivity	2-1703930-1	2
7	Contact	TE Connectivity	5-968221-1	2
8	Contact	TE Connectivity	2177909-1	2
10	Corrugated Tubing	McMaster Carr	7840K72	7800 mm
11	Label	Generic	Item Name Label	5
16	Wire Seal	TE Connectivity	2208113-2	4
17	Connector	Molex	33481-2201	1
18	Connector	Molex	33000-0002	2
19	Cable	Leoni	DACAR-546	6500 mm
20	Wire	Siechem	8196001	5400 mm
21	Wire	Siechem	8196004	5400 mm

From	To	Conductor	Color	Size	Length	Notes
AT360_RH_FWD_ROOF.1	AT360_RH_FWD_ROOF_PWR.2	W1.Red	<div></div>	0.8 mm ²	5400 mm	PWR
AT360_RH_FWD_ROOF.4	AT360_RH_FWD_ROOF_PWR.1	W16.Black	<div></div>	0.8 mm ²	5400 mm	GND
AT360_RH_FWD_ROOF.D1	AT360_RH_FWD_ROOF_MATENET.2	CBL1.Green	<div></div>	0.35 mm ²	6500 mm	Eth-P
AT360_RH_FWD_ROOF.D2	AT360_RH_FWD_ROOF_MATENET.1	CBL1.White	<div></div>	0.35 mm ²	6500 mm	Eth-N

From	To	Conductor	Color	Size	Length	Notes
AT360_RH_FWD_ROOF_MATENET.1	AT360_RH_FWD_ROOF.D2	CBL1.White	<div></div>	0.35 mm ²	6500 mm	Eth-N
AT360_RH_FWD_ROOF_MATENET.2	AT360_RH_FWD_ROOF.D1	CBL1.Green	<div></div>	0.35 mm ²	6500 mm	Eth-P



Title HARNESS, AT360, RIGHT, FWD, ROOF, ISUZU, GEN2		Part Number 04-210-3138.A2	
Description HARNESS, AT360, RIGHT, FWD, ROOF, ISUZU, GEN2		Revision A2	

	Name	Date	 This document contains confidential and proprietary information that cannot be reproduced or divulged, in whole or in part, without written authorization.
Drawn By	Emerson S.	01-28-2026	
Eng Approved	Zijian Zhu	01-28-2026	
Mfg Approved	----	----	
QA	----	----	

Title:	HARNESS_AT360_RIGHT_FWD_ROOF_ISUZU_GEN2_REVISIONS
Part Number:	04-210-3138.A2
Description:	HARNESS, AT360, RIGHT, FWD, ROOF, ISUZU, GEN2

Rev.	Date	Author	Description
A1	11/7/2025	Jose Castellanos	Initial version
A2	1/28/2026	Emerson Sandoval	Wire Spec Updated and Leoni Ethernet Cable added





Title:	HARNESS_AT360_RIGHT_FWD_ROOF_ISUZU_GEN2_NOTES
Part Number:	04-210-3138.A2
Description:	HARNESS, AT360, RIGHT, FWD, ROOF, ISUZU, GEN2

Flag	Quantity	Note
①	1	Apply part number label every 1 meter.
②	1	Indicating this sides goes into the cab.
③	1	Minium of 1 twist per inch for twisted pairs
④	1	Place device labels 20mm from connectors




Title:	HARNES_AT360_RIGHT_FWD_ROOF_ISUZU_GEN2_BILL_OF_MATERIALS
Part Number:	04-210-3138.A2
Description:	HARNES, AT360, RIGHT, FWD, ROOF, ISUZU, GEN2

Id	Type	Manufacturer	Part Number	Description	Quantity	Usage
1		TE Connectivity	2302450-1	TE Connectivity 2302450-1 MATENET Connector Female Black Unshrouded	1	See Drawing
2		Panduit	CLT38N-C630	Corrugated loom tubing slit wall .38 (9.7mm) x 100 (30.5m) heat stabilized black nylon 6.	1	See Drawing
3	Connector	TE Connectivity / AMP	2397144-1	Lidar Plug, side latch, cod A	1	AT360_RH_FWD_ROOF
4	Connector	TE Connectivity / AMP	2302454-9	Connector Housing Unsealed Receptacle 1 Position Crimp Straight Cable Mount	1	AT360_RH_FWD_ROOF_MATENET
6	Contact	TE Connectivity	2-1703930-1	Mini Terminals, NANOMQS, RECEPTACLE TERMINAL TE Connectivity 2-1703930-1	2	See Wiring Table
7	Contact	TE Connectivity	5-968221-1	Receptacle Terminal, 20 – 18 AWG, .5 – .75 mm ² Wire, .63 mm [.025 in] Tab Width, Tin (Sn), .63 mm [.025 in] Tab Thickness, Unsealed	2	See Wiring Table
8	Contact	TE Connectivity	2177909-1	Receptacle Terminal, 24 – 22 AWG, .22 – .35 mm ² Wire, .5 mm [.019 in] Tab Width, Tin (Sn), .4 mm [.015 in] Tab Thickness, Unsealed, MCON 0.50mm	2	See Wiring Table
10	Corrugated Tubing	McMaster Carr	7840K72	Slit Corrugated Sleeving 3/8" ID	7800 mm	See Drawing
11	Label	Generic	Item Name Label	Write Item Name in Label	5	See Drawing
16	Wire Seal	TE Connectivity	2208113-2	Cavity Plug, 1.2 mm [.047 in] Cavity Diameter, -40 – 130 °C [-40 – 266 °F], Green, PA 66, Nano MQS	4	See Wiring Table
17	Connector	Molex	33481-2201	MX150 Mat-Sealed Male Connector Assembly, Single Row, 2 Circuits, Keying Option A, Black	1	AT360_RH_FWD_ROOF_PWR
18	Contact	Molex	33000-0002	Crimp terminal, male, tin plating, 16-20awg Molex Incorporated 33000-0002	2	See Wiring Table
19	Cable	Leoni	DACAR-546	LEONI Dacar® 546 - 2x0,35mm ² CuSn Unshielded	6500 mm	CBL1
20	Wire	Siechem	8196001	TXL 0.8 mm ² Red Wire	5400 mm	W1
21	Wire	Siechem	8196004	TXL 0.8 mm ² Black Wire	5400 mm	W16

Title:	HARNES_AT360_RIGHT_FWD_ROOF_ISUZU_GEN2_WIRING_TABLE
Part Number:	04-210-3138.A2
Description:	HARNES, AT360, RIGHT, FWD, ROOF, ISUZU, GEN2

From	To	Conductor	Conductor PN	Twisted With	Size	Length	From Contact PN	Notes
AT360_RH_FWD_ROOF.1	AT360_RH_FWD_ROOF_PWR.2	 W1.Red	8196001		0.8 mm ²	5400 mm	5-968221-1	PWR
AT360_RH_FWD_ROOF.4	AT360_RH_FWD_ROOF_PWR.1	 W16.Black	8196004		0.8 mm ²	5400 mm	5-968221-1	GND
AT360_RH_FWD_ROOF.D1	AT360_RH_FWD_ROOF_MATENET.2	 CBL1.Green	DACAR-546	White	0.35 mm ²	6500 mm	2177909-1	Eth-P
AT360_RH_FWD_ROOF.D2	AT360_RH_FWD_ROOF_MATENET.1	 CBL1.White	DACAR-546	Green	0.35 mm ²	6500 mm	2177909-1	Eth-N

Title:	HARNESS_AT360_RIGHT_FWD_ROOF_ISUZU_GEN2_CUTLIST
Part Number:	04-210-3138.A2
Description:	HARNESS, AT360, RIGHT, FWD, ROOF, ISUZU, GEN2

#	Type	Reference Designator	Manufacturer	Part Number	Color	Size	From Strip	To Strip	Length	Twisted With	Notes
1	Cable	CBL1	Leoni	DACAR-546	 Black	0.35 mm ²			6500 mm	N/A	Eth-P Eth-N
2	Wire	W1	Siechem	8196001	 Red	0.8 mm ²			5400 mm		PWR
3	Wire	W16	Siechem	8196004	 Black	0.8 mm ²			5400 mm		GND

Title:	HARNESS_AT360_RIGHT_FWD_ROOF_ISUZU_GEN2_LABELS
Part Number:	04-210-3138.A2
Description:	HARNESS, AT360, RIGHT, FWD, ROOF, ISUZU, GEN2



#	Manufacturer	Part Number	Description	Label Text
1	Generic	Item Name Label	Write Item Name in Label	04-210-3138.A2
2	Generic	Item Name Label	Write Item Name in Label	AT360_RH_ FWD_ROOF
3	Generic	Item Name Label	Write Item Name in Label	AT360_RH_FWD_ ROOF_MT
4	Generic	Item Name Label	Write Item Name in Label	AT360_RH_FWD_ROOF_PWR
5	Generic	Item Name Label	Write Item Name in Label	This side cabin