

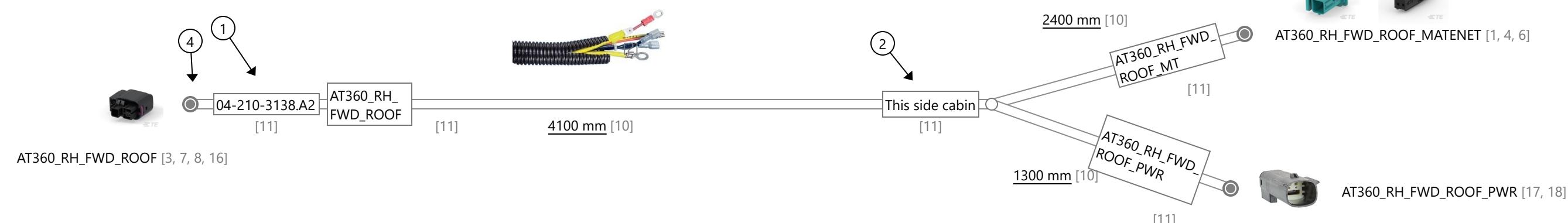
Revisions			
Rev.	Date	Author	Description
A1	11/7/2025	Jose Castellanos	Initial version
A2	1/28/2026	Emerson Sandoval	Wire Spec Updated and Leoni Ethernet Cable added

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	TE Connectivity	2302450-1	1
2	Panduit	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	Contact	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	Red	0.8 mm ²	5400 mm	PWR
AT360_RH_FWD_ROOF.4	AT360_RH_FWD_ROOF_PWR.1	W16.Black	Black	0.8 mm ²	5400 mm	GND
AT360_RH_FWD_ROOF.D1	AT360_RH_FWD_ROOF_MATENET.2	CBL1.Green	Green	0.35 mm ²	6500 mm	Eth-P
AT360_RH_FWD_ROOF.D2	AT360_RH_FWD_ROOF_MATENET.1	CBL1.White	White	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	White	0.35 mm ²	6500 mm	Eth-N
AT360_RH_FWD_ROOF_MATENET.2	AT360_RH_FWD_ROOF.D1	CBL1.Green	Green	0.35 mm ²	6500 mm	Eth-P



From	To	Conductor	Color	Size	Length	Notes
AT360_RH_FWD_ROOF_PWR.1	AT360_RH_FWD_ROOF.4	W16.Black	Black	0.8 mm ²	5400 mm	GND
AT360_RH_FWD_ROOF_PWR.2	AT360_RH_FWD_ROOF.1	W1.Red	Red	0.8 mm ²	5400 mm	PWR

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
Drawn By	Emerson S.	01-28-2026
Eng Approved	Zijian Zhu	01-28-2026
Mfg Approved	----	----
QA	----	----

Applied Intuition

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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:	HARNESS_AT360_RIGHT_FWD_ROOF_ISUZU_GEN2_BILL_OF_MATERIALS		
Part Number:	04-210-3138.A2		
Description:	HARNESS, 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:	HARNESS_AT360_RIGHT_FWD_ROOF_ISUZU_GEN2_WIRING_TABLE				
Part Number:	04-210-3138.A2				
Description:	HARNESS, 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