

# Global Transport Label Requirements

VWAG 22 / 01E75		Päckmitteltyp 004314	
123456	Verbrauchsstelle 12345678901234	Füllmenge 1234567 PCL	
1B0 867 212 AH DNX			
Barcode 1J UN 049977473 123456789		Brutto-Gew. / Netto-Gew. 56 / 51 KG Lieferscheindatum / Verfalldatum / E 2000-12-2 Teilegenerationsstand 01SH0100 Chargenr 1234	
Verwendungsschl		Artikebezeichn	

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# Global Transport Label: Handling Units

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**By transitioning to SAP globally Adient will require a Global Label Standard for received and produced goods:**

- One single barcode identifier (License Plate / Handling Unit Number) will be used for all logistical transaction reporting within Adient. Adient will not require label requirement variants regionally anymore like Odette, VDA, etc...
- The Handling Unit Number identifies packed goods internally and externally with the same unique ID, including intercompany relations

**This Documentation shows how to create the Labels and represent them in the Advanced Shipping Notice EDI message (EDIFACT DESADV).**

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# Global Transport Label: Handling Units

## Global Transport Label and EDIFACT DESADV D96A

SHIP FROM: Zulieferer Hamburg Teststrasse 2 D-200111 HAMBURG MADE IN EUROPE		SHIP TO: OEM Walldorf Nuerottstrasse 16 D-69190 WALLDORF  PLANT / DOCK: <b>1432 / UP01</b>			
QUANTITY: <b>50</b>		MATERIAL HANDLING CODE: <b>HW10</b>		KANBAN NUMBER: <b>A123</b>	
MATERIAL NUMBER: <b>2120511-74</b>				SECURITY SIGN: 	
LICENSE PLATE (1J):  <b>UN 358971324 100003422</b>				SHIPMENT DATE: <b>20130417</b> CONTAINER TYPE: <b>LEI11111111111123</b> GROSS WEIGHT: <b>160 KG</b>	
ENGINEERING CHANGE LEVEL: <b>001</b>		COMMISSION NUMBER: <b>123456</b>		DELIVERY NOTE: <b>800000260</b>	
BATCH NUMBER: <b>123456</b>				PUS NUMBER: <b>143200456</b>	

RFF+AAJ+011012345678'  
 NAD+CZ+0968060:92++JC REDDITCH'  
 NAD+SE+0310968:92++SELLER NAME'  
 NAD+CN+129816:92++JOHNSON CONTROLS BOCHUM'  
 EQD+TE+6641 WX 37'  
 CPS+1++1'  
 PAC+1++BOX:92'  
 QTY+52:30:PCE'  
 PCL+17'  
**GIR+3+UN+358971324100003422+1J'**  
 LIN+++11821013:1N'  
 QTY+3:990:PCE'  
 QTY+12:30:PCE'  
 ALI+DE'  
 GIN+BX+BATCH1'  
 DEC+0M:205212:000110'



**HU-Number transferred into GIR-Segment**

**Last 18 digits of Licence Plate = Handling Unit Number**

EDI Implementation Guidelines:  
DESADV UN D96A

# Global Transport Label: License Plate

The **LICENSE PLATE** is the key to the unique identification of the transport unit which enables systems to track and trace individual transport units as described in ISO 15394. The “license plate” provides access to information stored in computer files and may be transmitted by EDI. The barcode shall contain all 4 fields as described below. Spaces shall be used only in the human readable field, no spaces are allowed in the barcode itself

License Plate (1J) — 1



UN 358971324 100003422

2

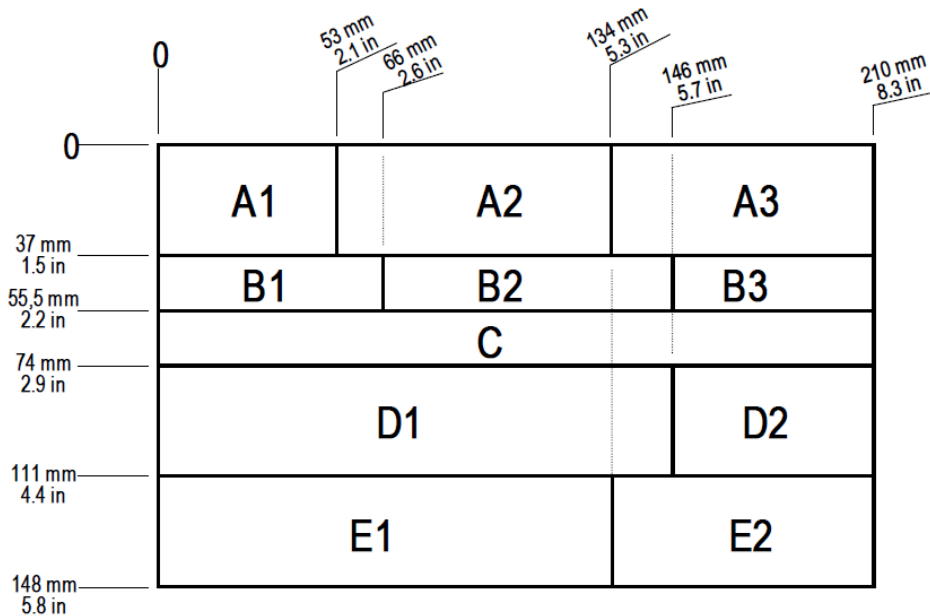
3

4

ID	Title	Format	Function
1	Data Identifier	2 Digits fixed	The DI shall be in the barcode as well as the title. The value shall be one of the following: 1J - Unbreakable unit (Individual Container) 6J – Master Load of like Material numbers 5J – Mixed Load consisting of multiple Material numbers
2	Issuing Agency Code	2 Digits fixed	A unique company identifier issued by an agency acknowledged by ISO/IEC 15459 as a registration authority. The Issuing Agency Code shall be DUNS (UN)
3	Supplier's DUNS Number	9 Digits fixed	Provides the unique identifier issued by Duns & Bradsheet (DUNS) To request a DUNS number go to <a href="http://www.dnb.com/">http://www.dnb.com/</a> and choose your country When the length of the number is less then 9 digits, please fill up with leading zero's.
4	Serial Number	9 Digits fixed	A string of numeric characters, generated by and maintained within the issuer's information system, used for uniquely identifying an individual transport unit. This character string shall not be repeated within 5 years. When the length of the number is less then 9 digits, please fill up with leading zero's.




# Global Transport Label: Standard Size (EMEA)

## Required Dimensions:



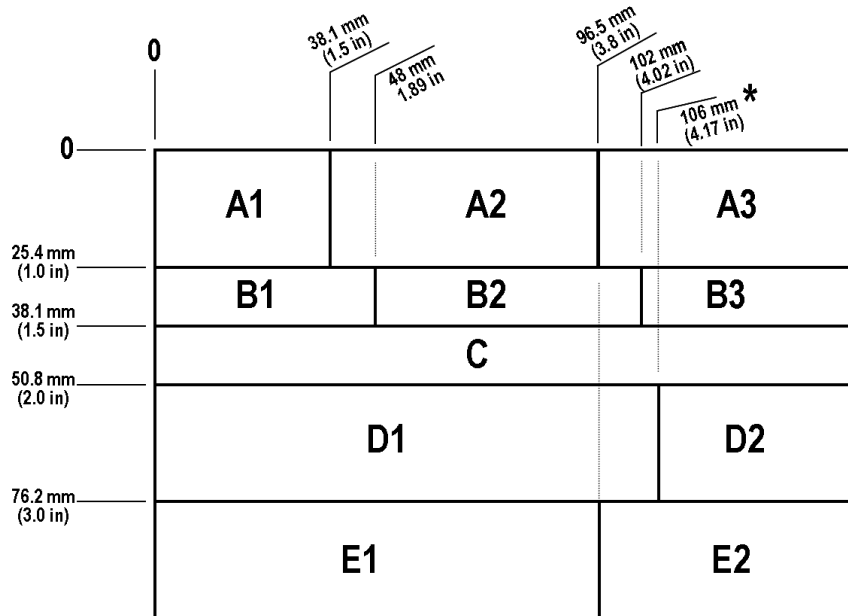
For the EMEA region the GTL is designed around ISO A5 label; 210 mm x 148 mm (8.27 inches x 5.83 inches). The label provider shall determine a label that shall not be smaller than these recommended minimums

## Label Example:

SHIP FROM: Zulieferer Hamburg Teststrasse 2 D-200111 HAMBURG MADE IN EUROPE		SHIP TO: OEM Walldorf Nuerottstrasse 16 D-69190 WALLDORF PLANT / DOCK: 1432 / UP01			
QUANTITY: <b>50</b>		MATERIAL HANDLING CODE: <b>HW10</b>		KABAN NUMBER: <b>A123</b>	
MATERIAL NUMBER: <b>2120511-74</b>					
LICENSE PLATE (L1):  UN 358971324 100003422				SHIPMENT DATE: 20130417 CONTAINER TYPE: LEI11111111111123 GROSS WEIGHT: 160 KG	
ENGINEERING CHANGE LEVEL: <b>001</b>		COMMISSION NUMBER: <b>123456</b>		DELIVERY NOTE: <b>800000260</b>	
BATCH NUMBER: <b>123456</b>				PUS NUMBER: <b>143200456</b>	

# Global Transport Label: Standard Size (US)

## Required Dimensions:






Not to scale – for illustrative purposes

This dimension based on an X dimension of 0.38 mm (0.015 in) for the Code 128 bar code license plate. The label provider must ensure quiet zone requirement of 6.4mm (0.25 in) is maintained. See Linear Bar Code.

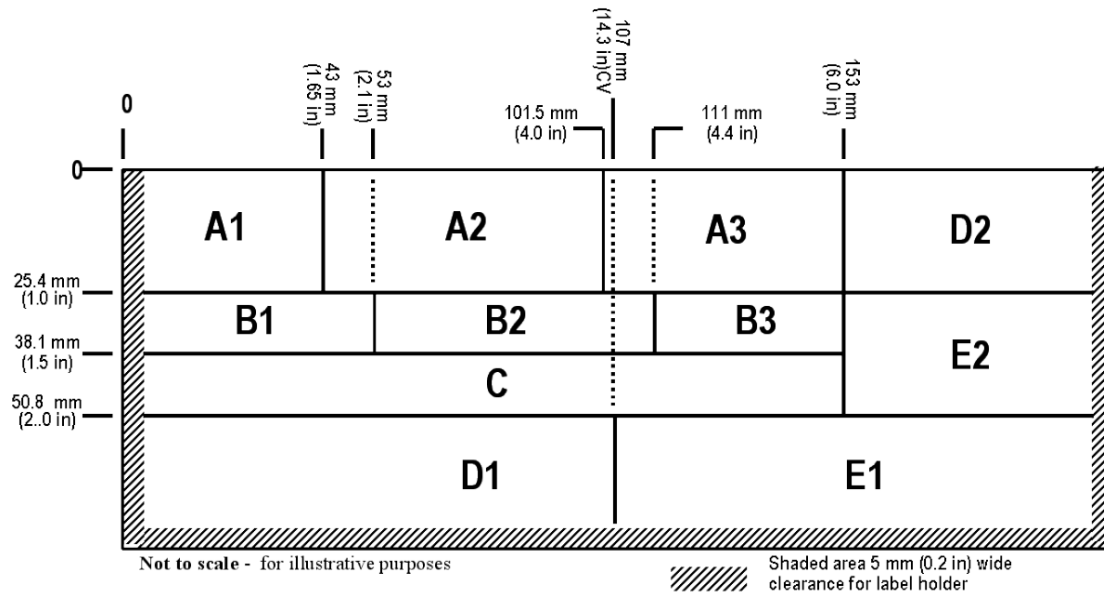
For the US region the GTL is designed around ISO A6 label; 148 mm x 105 mm (5.82 inches x 4.13 inches) and the AIAG B-10 152.4 mm x 101.6 mm (6 inches x 4 inches). The label provider shall determine a label that shall not be smaller than these recommended minimums

## Label Example:

SHIP FROM: Zulieferer Hamburg Teststrasse 2 D-200111 HAMBURG MADE IN EUROPE		SHIP TO: OEM Walldorf Nuerottstrasse 16 D-69190 WALLDORF PLANT / DOCK: 1432 / UP01		
QUANTITY: <b>50</b>	MATERIAL HANDLING CODE: <b>HW10</b>	KABAN NUMBER: <b>A123</b>		
MATERIAL NUMBER: <b>2120511-74</b>				SECURITY SIGN: 
LICENSE PLATE (1):  UN 358971324 10003422			SHIPMENT DATE: 20130417 CONTAINER TYPE: LEI11111111111123 GROSS WEIGHT: 160 KG	
ENGINEERING CHANGE LEVEL: <b>001</b>	COMMISSION NUMBER: <b>123456</b>	DELIVERY NOTE: <b>80000260</b>		
BATCH NUMBER: <b>123456</b>		PUS NUMBER: <b>143200456</b>		

# Global Transport Label: Alt. Size for small containers (KLT)

## Required Dimensions:







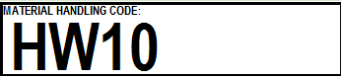

## Label Example:

SHIP FROM: Firma Zulieferer Hamburg Teststrasse 2 D-20111 HAMBURG	SHIP TO: OEM Walldorf Neurottstraße 16 D-69190 WALLDORF PLANT/ DOCK: 5000 Tor 23	SHIPMENT DATE: <b>10MAY2007</b>
QUANTITY: <b>50</b>	MISC: <b>PVB 0001</b>	KANBAN NO: <b>A123</b>
PART NUMBER: <b>EXT-AS1-2022</b>		SID: <b>80000260</b>
LICENSE PLATE (LJ):  <b>UN 358971324 100003422</b>		COMMISSION NUMBER: 123456
ENGINEERING CHANGE LEVEL: 001		BATCH NUMBER: 70000325



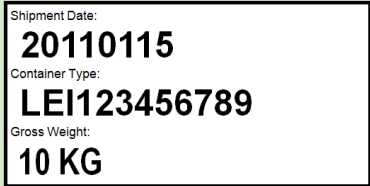

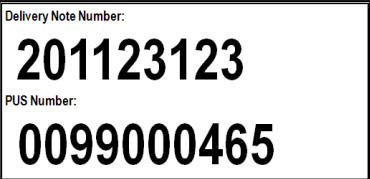
The GTL standard also describes an alternative label with dimensions of 210mm x 74 mm (8.26 inches x 2.91 inches) and identical data content, designed for small height packages. Because of European requirements for label holders, a non-printable area, as illustrated above shall be maintained in order for the printable area not to be obstructed by the holder.



# Global Transport Label: Data Elements

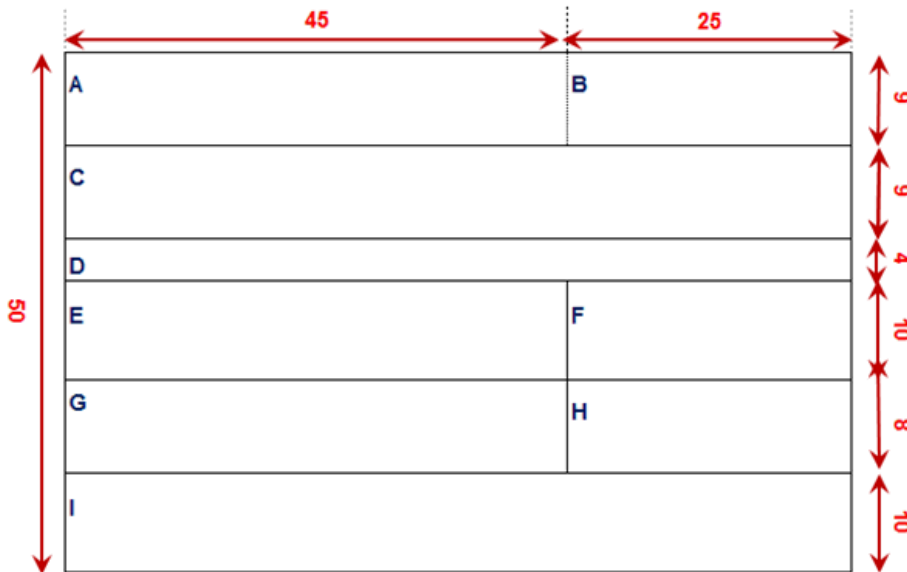
ID	Title	Function	Content Required	Data Identifier	Example
A1	Ship From:	Shows information about the Sender and Country of Origin of the goods/materials	Company Name Company Address MADE IN/ ASSEMBLED IN	N/A	
A2	Ship To:	Shows information about the receiving party, including Receiver's Plant/Dock code if applicable	Company Name Company Address  Plant and/or dock (dock if applicable)	N/A	
A3		2D Barcode in PDF417 containing the data required for our scanning programs to handle material movements. <i>(MFG Material Number &amp; Production Date only when possible. They are required for electronics suppliers)</i>	Vendor Number Adient Material number MFG Material number Quantity Delivery Number Shipment Date Production Date Vendor Batch/Lot/Serial License Plate Container Type Engineering Change Level	V P M Q 2S 12D 17D 1T 1J/5J/6J B 2P	
B1	Quantity	The quantity of material packed (standard pack quantity)	Quantity	Q	
B2	Material Handling Code	Delivery Location within the plant	Material Handling Code	20L	
B3	Kanban Number	Kanban numbers will be used as part of the kanban process	Only required if a Kanban Process is in place	15K	

# Global Transport Label: Data Elements

ID	Title	Function	Content Required	Data Identifier	Example
C	Customer Material Number:	Identifies the Adient Material number	Material Number	P	
D1	Licence Plate:	Uniquely identifies a transport unit <small>(1J – Unbreakable unit (Individual Container)            6J – Master Load of like Material numbers            5J – Mixed Load consisting of multiple Material numbers)</small>	Code 128 Barcode containing License Plate Number	1J	
D2	Shipment Date: Container Type: Gross Weight:	Provide information on shipping date, container type and gross weight	Shipment date Container type Gross weight	12D (Shipment Date) B (Container Type) 7Q ...GT <small>(Gross Weight)</small>	
E1	<small>To be filled by Supplier at request by Adient Plant</small> Engineering Change Level: Batch Number: Commission Number:	Adient Engineering Change Level  Suppliers Batch Number Commission Number for Steel Coils	Include Barcode  Include Barcode No Barcode	2P  1T	
E2	Delivery Note Number: PUS Number:	Provide Shipment ID generated by Supplier and PUS Number generated by Adient <small>(PUS number only if PUS process in use)</small>	Delivery Note Number PUS Number <small>(Only if PUS process in use)</small>	2S	

# Global Transport Label: Alternative size for Electronics Reels/Trays

Required Dimensions:



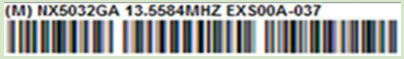
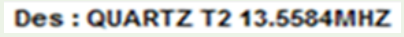





As Electronics Reels/Trays are smaller than the small height KLT containers, we have defined another variant of the GTL for suppliers of those types of material

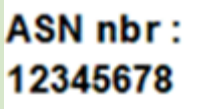
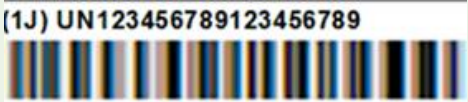
Label Example:

(P) 1495995 		
(M) NX5032GA 13.5584MHZ EXS00A-037 		
Des : QUARTZ T2 13.5584MHZ		
Lot (1T): 12400111193000MTAI 	Mfg D(17D):20120427 	
(Q) 5000 	ASN nbr : 12345678	
(1J) UN123456789123456789 		

# Global Transport Label: Alternative size for Electronics Reels/Trays – Data Elements

ID	Title	Function	Content Required	Barcode	DI	Example
A	(P)	Identifies the Adient Material number	Adient Material Number	Code 128 Required	P	
B	N/A		2D Barcode in PDF417 containing the data required for our scanning programs to handle material movements. (MFG Material Number & Production Date only when possible. They are required e.g. for electronics suppliers)	Vendor Number Adient Material number MFG Material number Quantity Delivery Number Shipment Date Production Date Vendor Batch/Lot/Serial License Plate Container Type	V P M Q 2S 12D 17D 1T 1J B	
C	(M)	Identifies the Manufacturing Material Number	Manufacturing Material Number	Code 128 Required	M	
D	(D)	Shows a readable Material Description	Material Description	N/A	N/A	
E	(1T)	Shows Supplier Traceability information	Supplier Traceability code	Code 128 Required	1T	
F	(17D)	Shows Production Date Information	Production Date (YYYYMMDD)	Code 128 Required	17D	
G	(Q)	The quantity of material packed (standard pack quantity)	Quantity	Code 128 Required	Q	

# Global Transport Label: Alternative size for Electronics Reels/Trays – Data Elements

ID	Title	Function	Content Required	Barcode	DI	Example
H	ASN Nbr:	Provide Shipment ID generated by Supplier and PUS Number generated by Adient <small>(PUS number only if PUS process in use)</small>	Shipment ID	Code 128 Optional	2S	
I	(1J) (5J) (6J)	Uniquely identifies a transport unit <small>(1J – Unbreakable unit (Individual Container) 6J – Master Load of like Material numbers 5J – Mixed Load consisting of multiple Material numbers)</small>	License Plate Number	Code 128 Required	1J	

## Rules:

- All Data Identifiers must be included in the bar Code  
(The Brackets are not to be included).
- Each bar code must be at least 4 mm high.
- Barcode type to be used: Code 128.
- License Plate number must be unique

# Global Transport Label: Master Label layout

Not to scale – for illustrative purposes only

It is recommended that this vertical separator line should not be printed. (See Quiet Zone)

<b>A1</b> SHIP FROM	<b>A2</b> SHIP TO	<b>MASTER LABEL</b>
<b>B1</b> CUSTOMER REFERENCE #1	<b>B2</b> CUSTOMER ROUTING INFORMATION	
<b>C</b> CUSTOMER PART NUMBER		
<b>D1</b> LICENSE PLATE 6J		<b>D2</b> CUSTOMER REFERENCE #2
<b>E</b> 2D SYMBOL		






Data contained in a single 2D symbol

The License plate number which uniquely identifies a transport unit containing multiple containers of like parts is Data Identifier 6J. For example, such a transport unit could be a pallet containing two or more identical DI “1J”-identified individual containers/packages. Typically referred to as a “Master Load Container”.



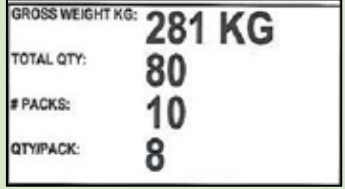
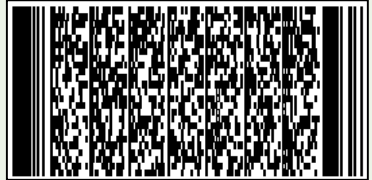
## Label Example:

<b>FROM:</b> Firma Zulieferer Hamburg Teststrasse 2 D-20111 HAMBURG MADE IN DE	<b>TO:</b> Firma OEM Walldorf Neurottstraße 16 D-69190 WALLDORF PLANT/ DOCK: 5000 Tor 67	<b>MASTER LABEL</b>
<b>MATERIAL HANDLING CODE:</b> PTC 123		<b>ENGINEERING CHANGE LEVEL:</b> 001
<b>PART NUMBER:</b> EXT-AS1-2000		
<b>LICENSE PLATE (6J):</b> UN 358971324 100007455	<b>GROSS WEIGHT KG:</b> 281 KG <b>TOTAL QTY:</b> 80 <b># PACKS:</b> 10 <b>QTY/PACK:</b> 8	

# Global Transport Label: Master Label Data Elements

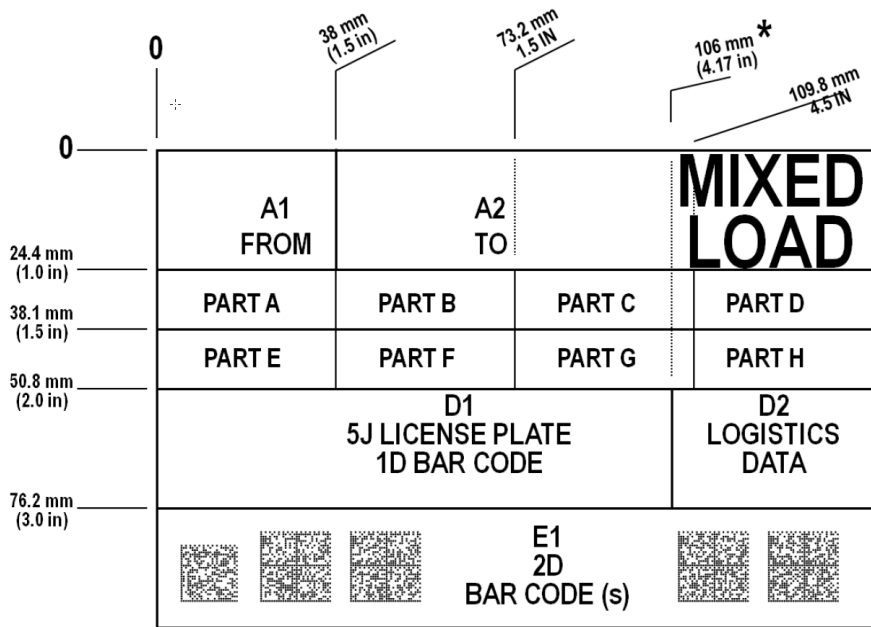
ID	Title	Function	Content Required	Data Identifier	Example
A1	Ship From:	Shows information about the Sender and Country of Origin of the goods/materials	Company Name Company Address MADE IN/ ASSEMBLED IN	N/A	
A2	Ship To:	Shows information about the receiving party, including Receiver's Plant/Dock code if applicable	Company Name Company Address  Plant and/or dock (dock if applicable)	N/A	
A3	MASTER LABEL				
B1	N/A	Leave empty in case of master label	N/A	N/A	N/A
B2	Material Handling Code	Delivery Location within the plant	Material Handling Code	20L	
B3	Engineering Change Level	Describes the customers engineering change level	Engineering Change Level	2P	

# Global Transport Label: Master Label Data Elements

ID	Title	Function	Content Required	Data Identifier	Example
C	Customer Material Number:	Identifies the Adient Material number	Material Number	P	
D1	Licence Plate:	Uniquely identifies a transport unit <small>(1J – Unbreakable unit (Individual Container) 6J – Master Load of like Material numbers 5J – Mixed Load consisting of multiple Material numbers)</small>	Code 128 Barcode containing License Plate Number	6J	
D2	Gross Weight KG: Total Qty: #Packs: Qty/Pack	Provide information on gross weight, total quantity packed, number of packages and quantity per pack	Gross weight (in KG) Total Quantity # Packs Qty/Pack	7Q....GT Q 7Q....PK	
E		2D Barcode in PDF417 containing the data required for our scanning programs to handle material movements. <small>(MFG Material Number &amp; Production Date only when possible. They are required e.g. for electronics suppliers)</small>	Vendor Number Adient Material number MFG Material number Quantity Delivery Number Shipment Date Production Date Vendor Batch/Lot/Serial License Plate Container Type Engineering Change Level	V P M Q 2S 12D 17D 1T 1J/5J/6J B 2P	



# Global Transport Label: Mixed Load layout







\* This dimension based on nominal 0.38 mm (0.015 in) Code 128 bar code license plate. The label provider must ensure quietzone requirement of 6.4 mm (0.25 in) is maintained.

The License plate number that uniquely identifies a transport unit containing multiple entities of unlike parts is Data Identifier 5J. For example, such a transport unit could be a pallet containing two or more dissimilar DI “1J”-identified items. Typically referred to as a “Mixed Load Container”.

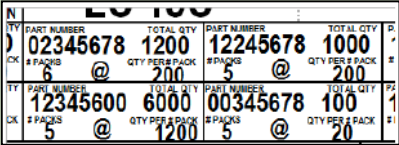



## Label Example

FROM: Firma Zulieferer Hamburg Teststrasse 2 D-20111 HAMBURG		TO: Firma OEM Walldorf Neurottstraße 16 D-69190 WALLDORF PLANT / DOCK: <b>Tor 23</b>		<b>MIXED LOAD</b>	
PART NUMBER EXT-AS1-1000	TOTAL QTY 20	PART NUMBER EXT-AS3-7000	TOTAL QTY 20	PART NUMBER	TOTAL QTY
# PACKS 4	@ QTY PER # PACK 5	# PACKS 4	@ QTY PER # PACK 5	# PACKS	@ QTY PER # PACK
PART NUMBER	TOTAL QTY	PART NUMBER	TOTAL QTY	PART NUMBER	TOTAL QTY
# PACKS	@ QTY PER # PACK	# PACKS	@ QTY PER # PACK	# PACKS	@ QTY PER # PACK
LICENSE PLATE (5J): 				GROSS WEIGHT: <b>152 KG</b>	

# Global Transport Label: Mixed Load Label Data Elements

ID	Title	Function	Content Required	Data Identifier	Example
A1	Ship From:	Shows information about the Sender and Country of Origin of the goods/materials	Company Name Company Address MADE IN/ ASSEMBLED IN	N/A	
A2	Ship To:	Shows information about the receiving party, including Receiver's Plant/Dock code if applicable	Company Name Company Address  Plant and/or dock (dock if applicable)	N/A	
A3	MIXED LOAD				
B1	N/A	Leave empty in case of master label	N/A	N/A	
B2	Material Handling Code	Delivery Location within the plant	Material Handling Code	20L	
B3	N/A	Leave empty in case of master label	N/A	N/A	

# Global Transport Label: Mixed Load Label Data Elements

ID	Title	Function	Content Required	Data Identifier	Example
PART A-H	Part Number Total Qty # Packs Qty PER#PACK	Identifies the mix of packed material numbers, their total quantity and packaging quantities	Material Number Total Quantity #Packs Qty per # pack	N/A	
D1	Licence Plate:	Uniquely identifies a transport unit <small>1J – Unbreakable unit (Individual Container) 6J – Master Load of like Material numbers 5J – Mixed Load consisting of multiple Material numbers</small>	Code 128 Barcode containing License Plate Number	5J	
D2	Gross Weight:	Provide information on gross weight	Gross weight in KG	7Q <small>(Gross Weight)</small>	
E		2D Barcode in PDF417 containing the data required for our scanning programs to handle material movements. <small>(MFG Material Number &amp; Production Date only when possible. They are required e.g. for electronics suppliers)</small>	Vendor Number Adient Material number MFG Material number Quantity Delivery Number Shipment Date Production Date Vendor Batch/Lot/Serial License Plate Container Type	V P M Q 2S 12D 17D 1T 5J B	

# Global Transport Label: EDI Reference

The section below describes how the data coming from our supplier releases (DELFOR/DELJIT EDI messages) can be mapped into the suppliers system and into their outbound ASN DESADV EDI message

Label Block	Data Field on the Adient-GTL Label	Barcode Data Identifier	Big Label Font Size Arial Narrow in points	KLT Label Font Size Arial Narrow in points	Field Length	EDI Reference
A1	Ship From	N/A	14	14	N/A	From Supplier into DESADV/NAD
A2	Ship To	N/A	18	14	N/A	From Supplier into DESADV/NAD
A2	Plant	N/A	18	24	5	If available from PCI 12Z If not then from / DELFOR/DELJIT/NAD+ST into DESADV/NAD+ST
A2	Dock	21L	18	24	<=4	If available from PCI 12Z If not then from DELFOR/DELJIT/LOC+11 into DESADV/LOC+11
B1	Quantity	Q	44	40	<=9	From Supplier into DESADV/QTY
B2	Material Handling Code	20L	44	40	<=9	DELFOR/DELJIT/LOC+159 into DESADV/LOC+159
B3	Kanban Number	15K		40	4	DELFOR/DELJIT/PIA into DESADV/PIA
C	Adient Material Number	P		40	<=18	DELFOR/DELJIT/LIN into DESADV/LIN

# Global Transport Label: EDI Reference

Label Block	Data Field on the Adient GTL Label	Barcode Data Identifier	Big Label Font Size Arial Narrow in points	KLT Label Font Size Arial Narrow in points	Field Length	EDI Reference
D1	License Plate	1J/5J/6J	28	24	22	From Supplier into DESADV/GIR+3
D2	Shipment Date	12D	38	32	8	From Supplier into DESADV/DTM+11
D2	Container Type	B	28	14	<=17	From DELFOR/DELJIT/PAC into DESADV/PAC
D2	Gross Weight	7Q	28	14	<=18	From Supplier into DESADV/MEA
E1	Supplier Traceability information	1T	28	14	<=35	From Supplier into DESADV/GIN (Only required when requested by your Adient Customer)
E2	Shipment ID	2S	38	32	<=10	From Supplier into DESADV/BGM
E2	PUS Number	2S	38	32	<=10	From DELJIT/BGM into DESDAV/RFF+AAJ

# Global Transport Label: 2D Symbology - Separators

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The 2D Barcode consists of different data segments which are separated partially by special characters (some printable, some non-printable) and data identifiers (see next slides):

## Printable characters:

ASCII/ISO 646 Character	DECIMAL	HEXADECIMAL	Description
[	91	5B	Part of Message Header
)	41	29	Part of Message Header
>	62	3E	Part of Message Header

## Non-printable characters:

ASCII/ISO 646 Character	DECIMAL	HEXADECIMAL	Description
$R_S$	30	1E	Record Separator
$F_S$	28	1C	File Separator
$G_S$	29	1D	Group Separator
$EO_T$	04	04	End Of Transmission

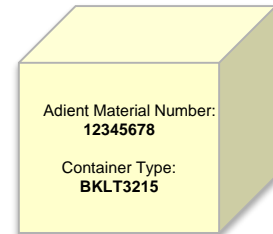
---

# Global Transport Label: 2D Symbology – Single Label

## Raw Data:

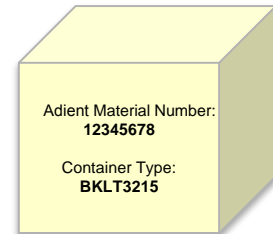
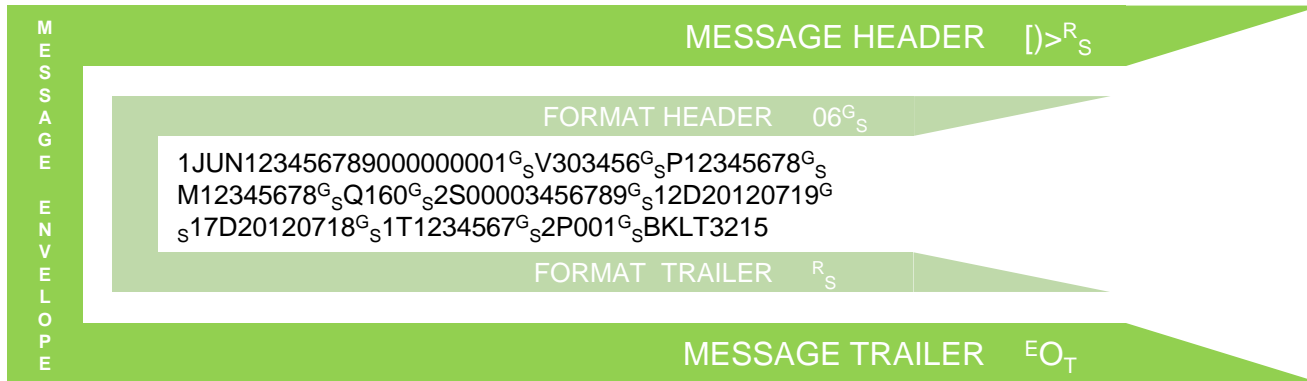
[><sup>R</sup><sub>S</sub>06<sup>G</sup><sub>S</sub>1JUN123456789000000001<sup>G</sup><sub>S</sub>V303456<sup>G</sup><sub>S</sub>P12345678<sup>G</sup><sub>S</sub>M12345678<sup>G</sup><sub>S</sub>Q160<sup>G</sup><sub>S</sub>2S00003456789<sup>G</sup><sub>S</sub>12D20120719<sup>G</sup><sub>S</sub>17D20120718<sup>G</sup><sub>S</sub>1T1234567<sup>G</sup><sub>S</sub>2P001<sup>G</sup><sub>S</sub>AP123456-1<sup>G</sup><sub>S</sub>BKLT3215<sup>R</sup><sub>S</sub><sup>E</sup>O<sub>T</sub>

Data	DI	Description
[> <sup>R</sup> <sub>S</sub>		Message Header (Compliance Indicator + Record Separator)
06 <sup>G</sup> <sub>S</sub>		Format Header (Format Indicator + Group Separator)
1JUN123456789000000001 <sup>G</sup> <sub>S</sub>	1J	License Plate
V303456 <sup>G</sup> <sub>S</sub>	V	Vendor Number
P12345678 <sup>G</sup> <sub>S</sub>	P	Adient Material Number
M12345678 <sup>G</sup> <sub>S</sub>	M	MFG Material Number
Q160 <sup>G</sup> <sub>S</sub>	Q	Quantity
2S00003456789 <sup>G</sup> <sub>S</sub>	2S	Delivery Number
12D20120719 <sup>G</sup> <sub>S</sub>	12D	Shipment Date
17D20120718 <sup>G</sup> <sub>S</sub>	17D	Production Date
1T1234567 <sup>G</sup> <sub>S</sub>	1T	Vendor Batch/Lot/Serial
2P001 <sup>G</sup> <sub>S</sub>	2P	Engineering Change Level
AP123456-1 <sup>G</sup> <sub>S</sub>	AP	Commision Number (Heat)
BKLT3215	B	Container Type
<sup>R</sup> <sub>S</sub>		Record Separator
<sup>E</sup> O <sub>T</sub>		Message Trailer



**Example: Single Box**

# Global Transport Label: 2D Symbology – Single Label



**Example: Single Box**

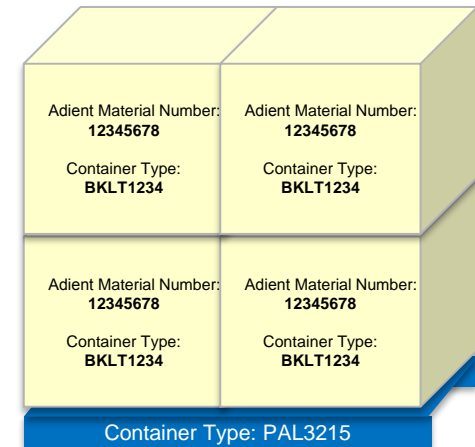


# Global Transport Label: 2D Symbology – Master Label

## Raw Data:

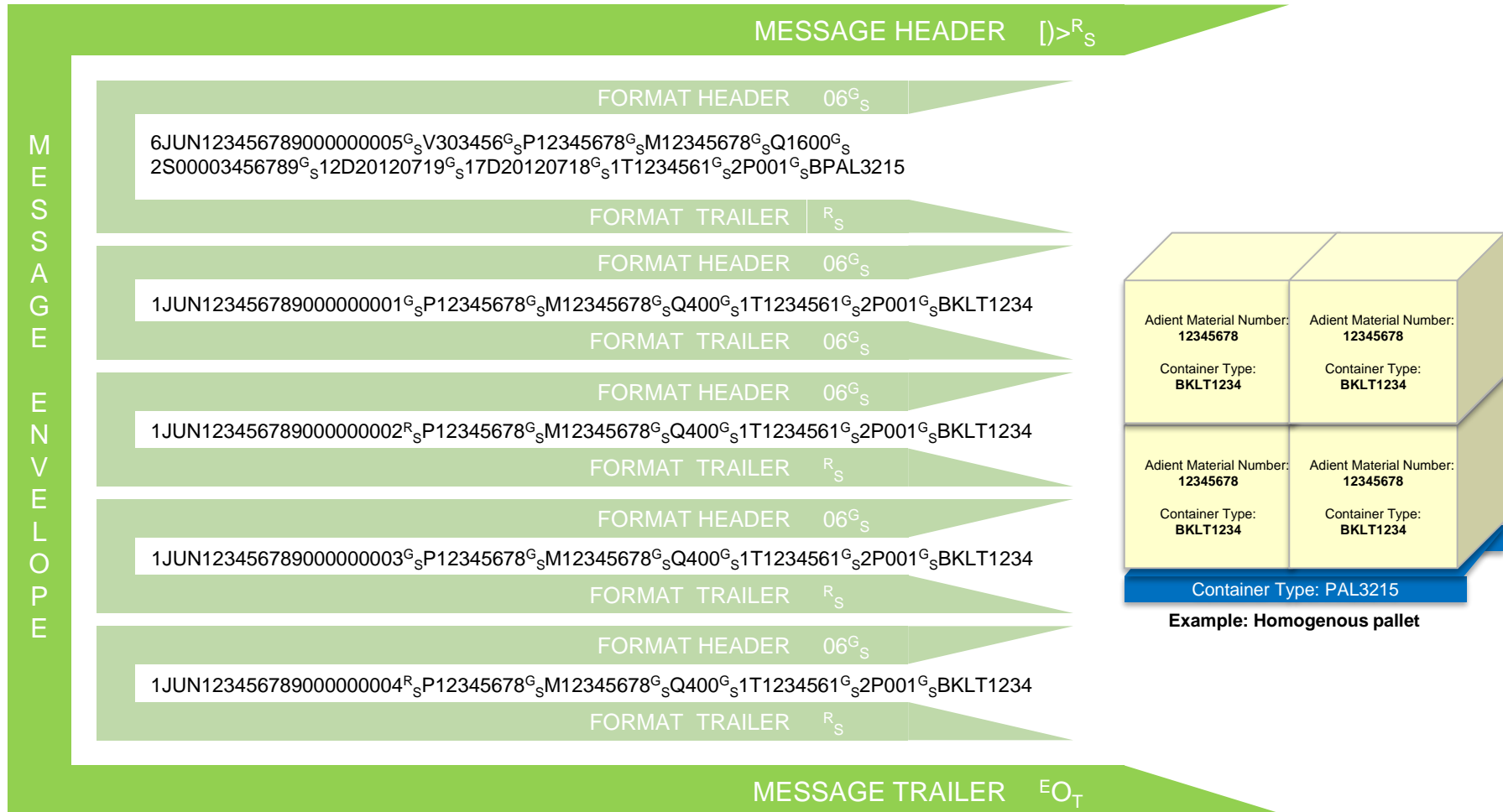
```
[>^R_s06^G_s6JUN123456789000000001^G_sV303456^G_sP12345678^G_sM12345678^G_sQ160^G_s2S00003456789^G_s12D20120719^G_s17D20120718^G_s1T1234561^G_s2P001^G_sPAL3215^R_s06^G_s1JUN123456789000000001^G_sP12345678^G_sM12345678^G_sQ40^G_s1T1234561^G_s2P001^G_sBKLT1234^R_s06^G_s1JUN123456789000000002^G_sP12345678^G_sM12345678^G_sQ40^G_s1T1234561^G_s2P001^G_sBKLT1234^R_s06^G_s1JUN123456789000000003^G_sP12345678^G_sM12345678^G_sQ40^G_s1T1234561^G_s2P001^G_sBKLT1234^R_s06^G_s1JUN123456789000000004^R_sP12345678^G_sM12345678^G_sQ40^G_s1T1234561^G_s2P001^G_sBKLT1234^R_s^E_O_T
```

Data	DI	Description
[>^R_s		Message Header (Compliance Indicator + Record Separator)
06^G_s		Format Header (Format Indicator + Group Separator) master label
6JUN123456789000000001^G_s	6J	License Plate
V303456^G_s	V	Vendor Number
P12345678^G_s	P	Adient Material Number
M12345678^G_s	M	MFG Material Number
Q160^G_s	Q	Quantity
2S00003456789^G_s	2S	Delivery Number
12D20120719^G_s	12D	Shipment Date
17D20120718^G_s	17D	Production Date
1T1234561^G_s	1T	Vendor Batch/Lot/Serial
2P001^G_s	2P	Engineering Change Level
BPAL3215	B	Container Type
^R_s		Record Separator
06^G_s		Format Header (Format Indicator + Group Separator) repeating inner labels
1JUN123456789000000001^G_s	1J	License Plate for inner containers
....		
^R_s		Record Separator
^E_O_T		Message Trailer



**Example: Homogenous pallet**

# Global Transport Label: 2D Symbology – Master Label

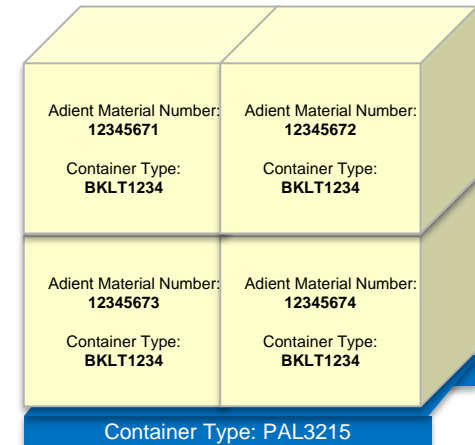


# Global Transport Label: 2D Symbology – Mixed Master Label

## Raw Data:

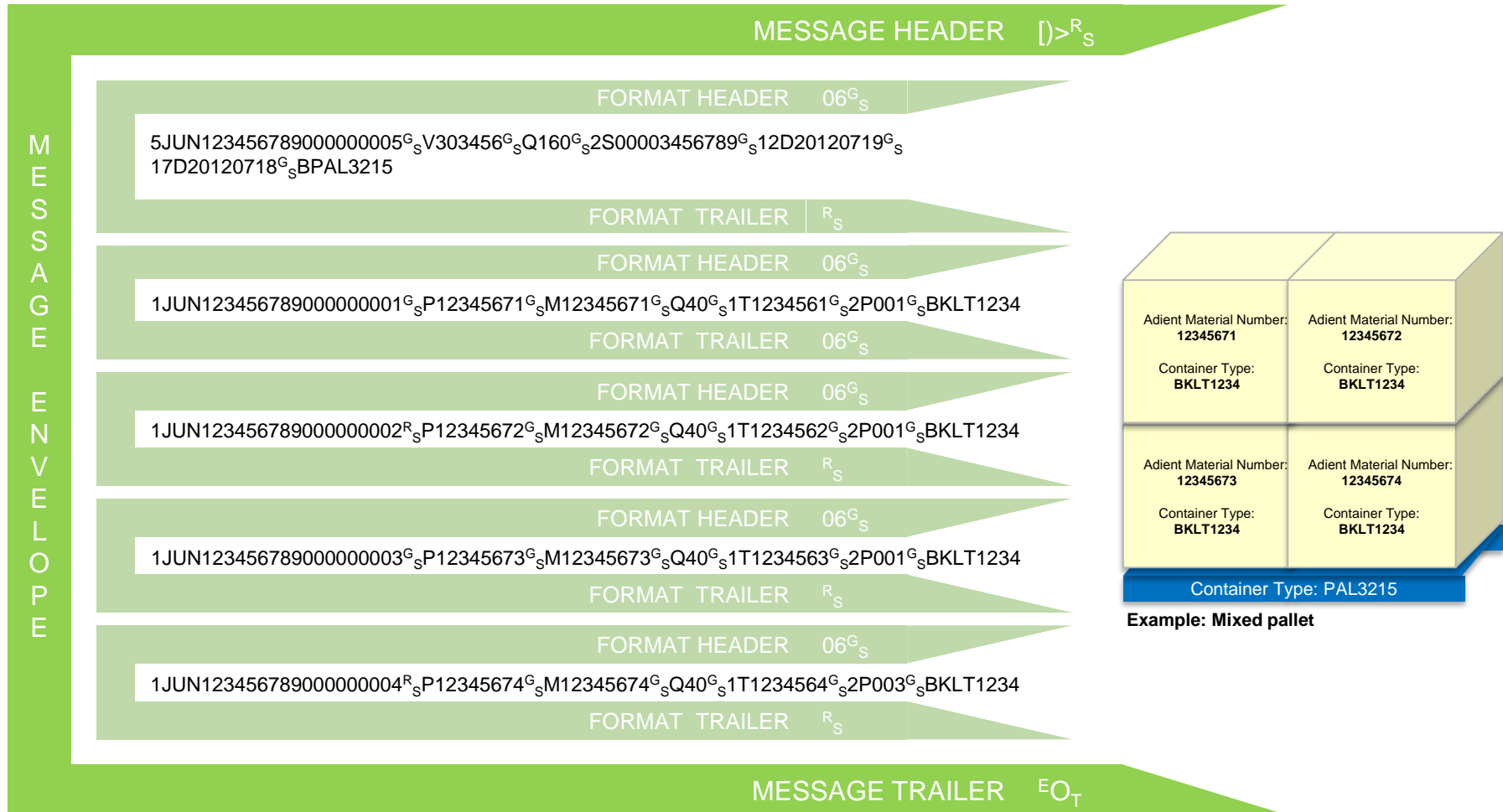
```
[ ]>RS06GS5JUN123456789000000001GSV303456GSP12345678GSM12345678GSQ160GS2S00003456789GS12D20120719GS17D20120718GSBPAL3215RS06GS1JUN123456789000000001GSP12345671GSM12345671GSQ40GS1T1234561GS2P001GSBKLT1234RS06GS1JUN123456789000000002GSP12345672GSM12345671GSQ40GS1T1234562GS2P001GSBKLT1234RS06GS1JUN123456789000000003GSP12345673GSM12345671GSQ40GS1T1234563GS2P001GSBKLT1234RS06GS1JUN123456789000000004RSP12345674GSM12345671GSQ40GS1T1234564GS2P003GSBKLT1234RSET
```

Data	DI	Description
[ ]> <sup>R</sup> <sub>S</sub>		Message Header (Compliance Indicator + Record Separator)
06 <sup>G</sup> <sub>S</sub>		Format Header (Format Indicator + Group Separator)
5JUN123456789000000001 <sup>G</sup> <sub>S</sub>	5J	License Plate
V303456 <sup>G</sup> <sub>S</sub>	V	Vendor Number
Q160 <sup>G</sup> <sub>S</sub>	Q	Quantity
2S00003456789 <sup>G</sup> <sub>S</sub>	2S	Delivery Number
12D20120719 <sup>G</sup> <sub>S</sub>	12D	Shipment Date
17D20120718 <sup>G</sup> <sub>S</sub>	17D	Production Date (if required)
BKLT3215	B	Container Type
<sup>R</sup> <sub>S</sub>		Record Separator
06 <sup>G</sup> <sub>S</sub>		Format Header (Format Indicator + Group Separator)
1JUN123456789000000001 <sup>G</sup> <sub>S</sub>		License Plate for inner containers
V303456 <sup>G</sup> <sub>S</sub>	V	Vendor Number
P12345678 <sup>G</sup> <sub>S</sub>	P	Adient Material Number
M12345678 <sup>G</sup> <sub>S</sub>	M	MFG Material Number
Q40 <sup>G</sup> <sub>S</sub>	Q	Quantity
1T1234561 <sup>G</sup> <sub>S</sub>	1T	Vendor Batch/Lot/Serial
2P001 <sup>G</sup> <sub>S</sub>	2P	Engineering Change Level
....		
<sup>R</sup> <sub>S</sub>		Record Separator
<sup>E</sup> <sub>T</sub>		Message Trailer



Example: Mixed pallet

# Global Transport Label: 2D Symbology – Mixed Master Label



# Document Revision

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Version	Date	Description	Author
1.0	2011-04-08	Saturn Stage 1.0: Global Transport Label Documentation	Stijn Daerden
2.0	2012-03-09	Saturn Stage 2.0: Added Electronics and TRIM requirements	Stijn Daerden
2.1	2013-05-10	Saturn Stage 2.1: Added Metals Requirements	Stijn Daerden
2.2	2016-Aug-15	Modified JCI or Johnson Controls references to be Adient. Removed JCI logo and added Adient logo.	Hemant Bhardwaj