SAP BTP – Labeling 2.0

Supplier Guide

Introduction

Overview

Labeling 2.0 is a Molex application hosted on SAP Business Technology Platform (BTP) that enables suppliers to view shipment information and generate shipment labels as per Molex standards based on Advanced Shipping Notice (ASN). As a supplier, you use this application to produce correctly structured labels for different packaging levels which ease receiving process.

Purpose of This Guide

This Supplier Guide provides step-by-step instructions for suppliers who need to:

- Access Labeling 2.0 through SAP Business Network.
- Search and review your Ship Notices records.
- Understand packaging levels and label requirements.
- Generate and download compliant shipping labels.
- Resolve common errors and troubleshooting issues.

Key Benefits for Suppliers

- Centralized access to all your shipment and label generation information in one place.
- Consistent, standardized label printing aligned with Molex receiving processes.
- Clear identification of packaging level inputs required for outer carton, inner pack, and pallet labels.

Prerequisites

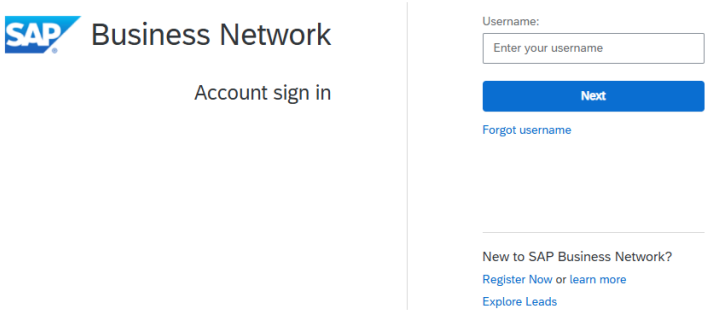
- Active user access to SAP Business Network with authorized supplier credentials.
- Ship Notice creation in SCC portal is required for label generation

Accessing Labeling 2.0

Follow the steps below to access Labeling 2.0 as a supplier.

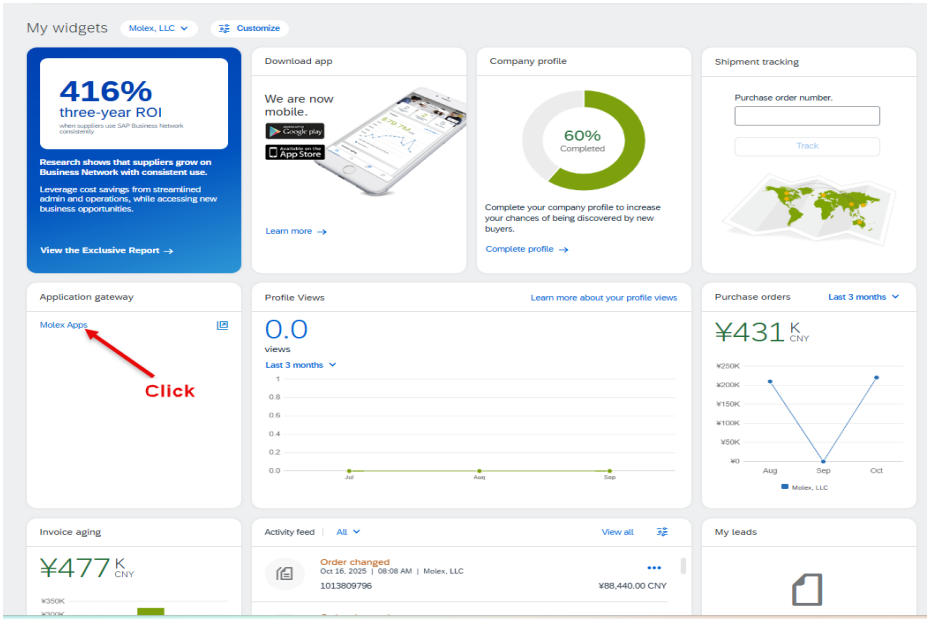
Log In to SAP Business Network - Supplier login page

Navigate to the SAP Business Network login page and sign in using your authorized supplier credentials.



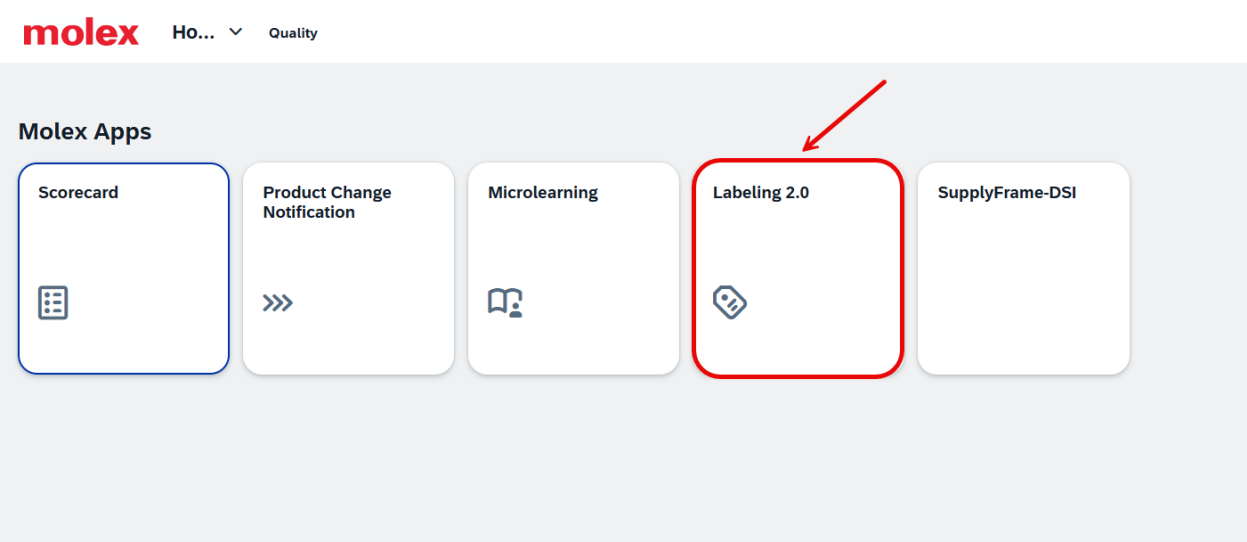
Open Molex Apps

After successful login, open the Molex Apps page to view all Molex applications available to your supplier account.



Launch Labeling 2.0

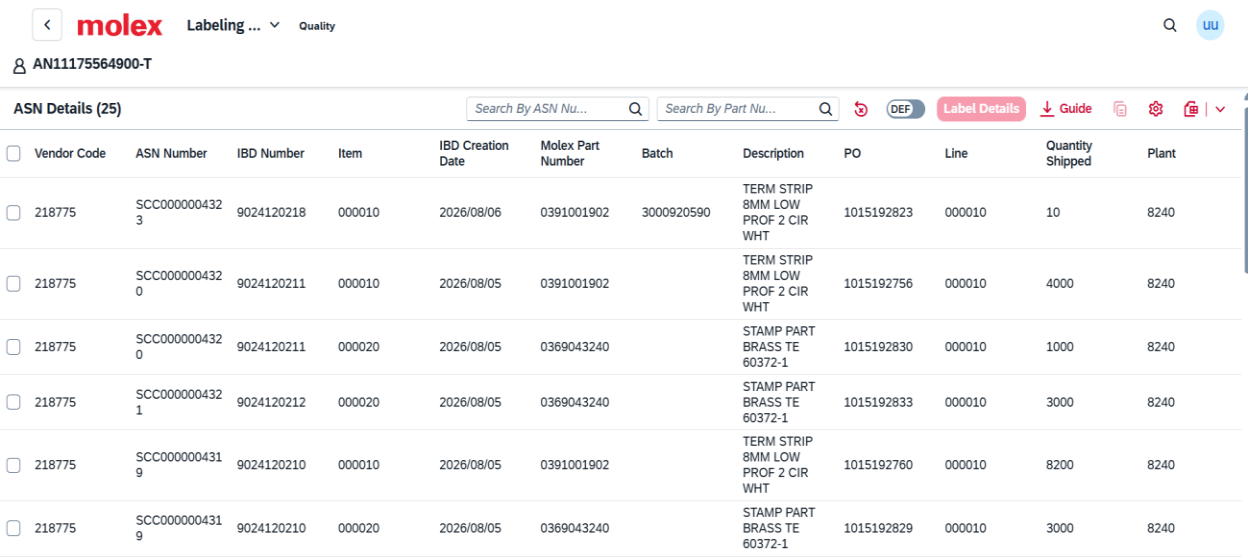
Locate and select the Labeling 2.0 tile.



Your Home Page

Overview

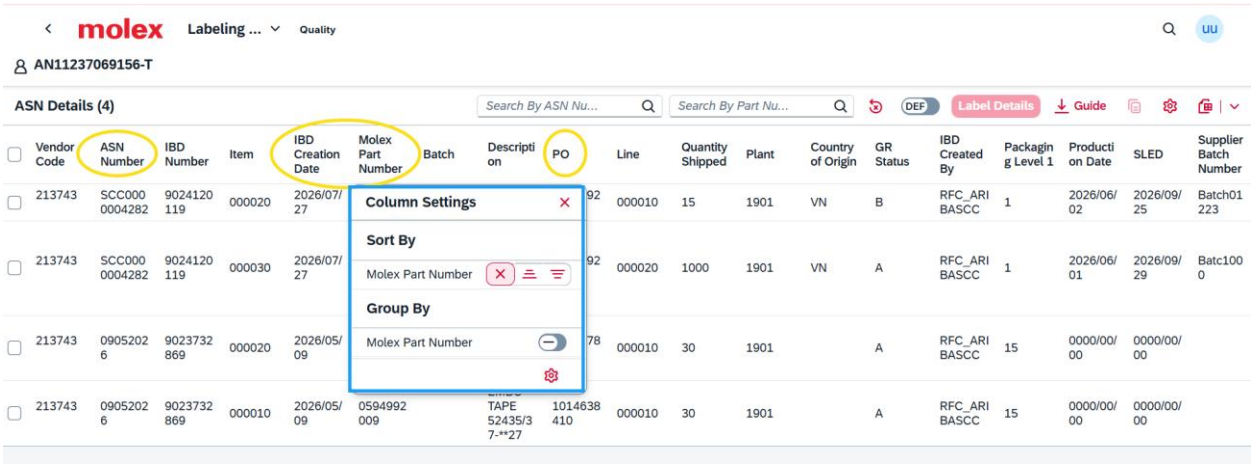
The Labeling 2.0 home page is your central workspace. It displays all shipment and delivery records linked to your supplier account that are available for label generation. From here you can search for Ship Notices records, review delivery details, and access the label generation screen.



Vendor Code	ASN Number	IBD Number	Item	IBD Creation Date	Molex Part Number	Batch	Description	PO	Line	Quantity Shipped	Plant
218775	SCC0000004323	9024120218	000010	2026/08/06	0391001902	3000920590	TERM STRIP 8MM LOW PROF 2 CIR WHT	1015192823	000010	10	8240
218775	SCC0000004320	9024120211	000010	2026/08/05	0391001902		TERM STRIP 8MM LOW PROF 2 CIR WHT	1015192756	000010	4000	8240
218775	SCC0000004320	9024120211	000020	2026/08/05	0369043240		STAMP PART BRASS TE 60372-1	1015192830	000010	1000	8240
218775	SCC0000004321	9024120212	000020	2026/08/05	0369043240		STAMP PART BRASS TE 60372-1	1015192833	000010	3000	8240
218775	SCC0000004319	9024120210	000010	2026/08/05	0391001902		TERM STRIP 8MM LOW PROF 2 CIR WHT	1015192760	000010	8200	8240
218775	SCC0000004319	9024120210	000020	2026/08/05	0369043240		STAMP PART BRASS TE 60372-1	1015192829	000010	3000	8240

Customize Home Page View Settings

Sorting and Grouping options are available for the fields mentioned below.



Home Page Functions

Function	What It Does for You
Search by Ship Notice	Find your shipment records using your Ship Notice number.
Search by Part Number	Find records using the Molex part number on your order.
Refresh	Reload the page to show the latest available records.
Open Guide	Access help and user guidance within the application.
Label Details	Click label details for label generation
Export	Download the displayed records for your own reference.
Copy	Copy selected record information to the clipboard.

Shipment Information Fields

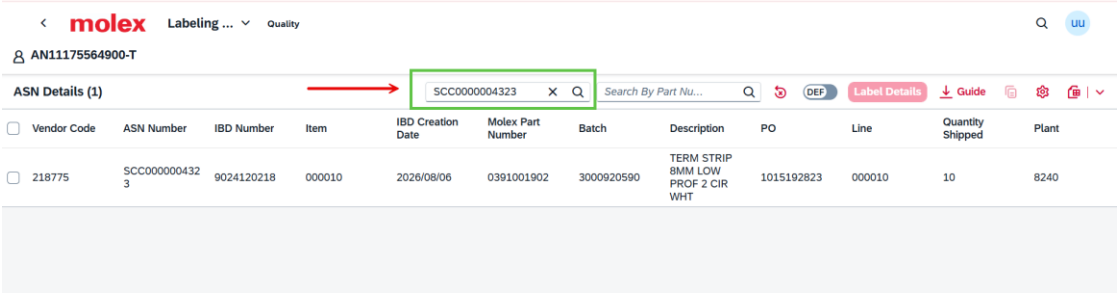
Each row represents one line item from your shipment. The table below explains what each field means:

Field	Description
Vendor Code	Your supplier code registered with Molex.
Ship Notice Number	Your Ship Notice number created in SAP Business Network.
IBD Number	Inbound Delivery number created in Molex against your ship notice
IBD Creation Date	The date when the ship notice was created.
Molex Part Number	The Molex material number associated with the item in your shipment.

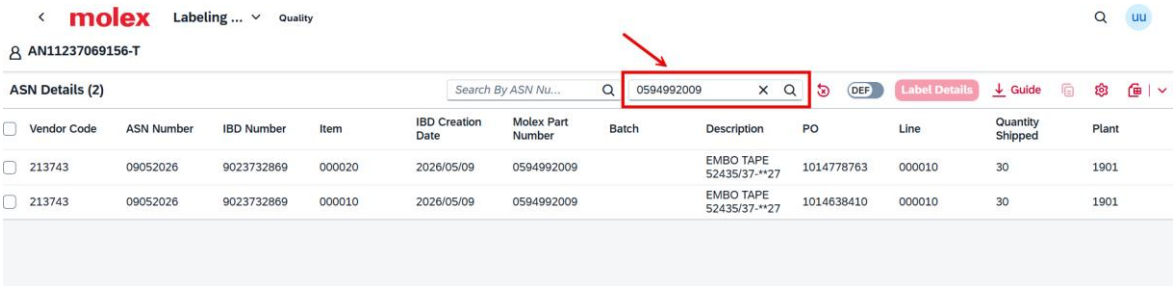
Molex Batch Number	Molex Batch Number records.
Description	Material description of the shipped item.
PO / Line	Your Purchase Order number and the relevant line item.
Quantity Shipped	The total quantity shipped against ship notice
Plant	The Molex receiving plant for this shipment.
Country of Origin	Country of origin as specified in your Ship Notice.
GR Status	Goods Receipt status — Open or Fully Received.
Packaging Level 1	Outer carton quantity from the Material Master Rounding Value.
Production Date	Production date as specified in your Ship Notice.
SLED	Shelf-Life Expiration Date is maintained in Ship Notice.
Supplier Batch Number	Your own batch number as entered in the Ship Notice.
IBD Created By	Indicates whether the IBD was created by SCC or manually.

Searching for Your Ship Notice Records

Use the search feature on the home page to quickly find your shipment records and access label details.



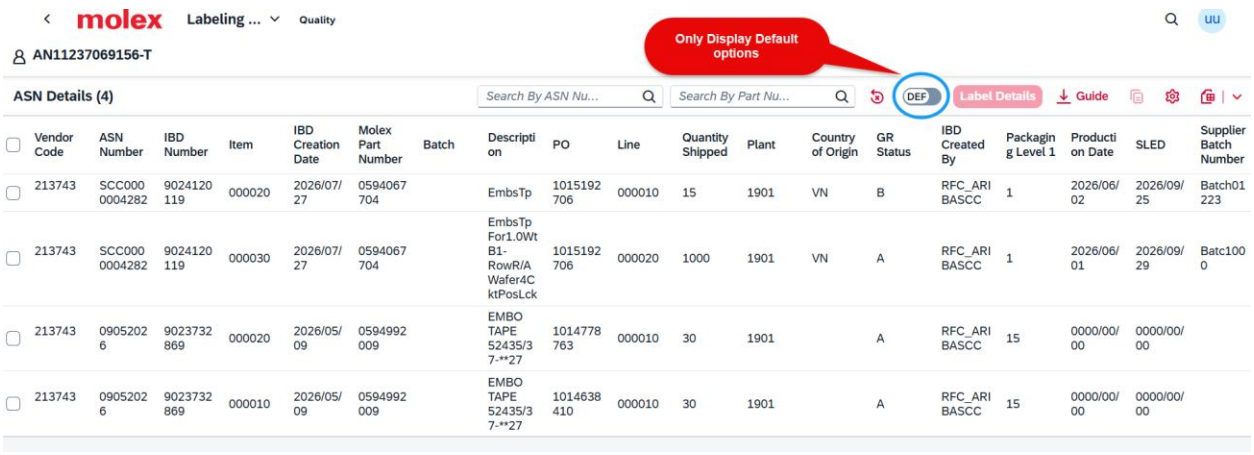
Searching for Your Part Number



Default View / All View

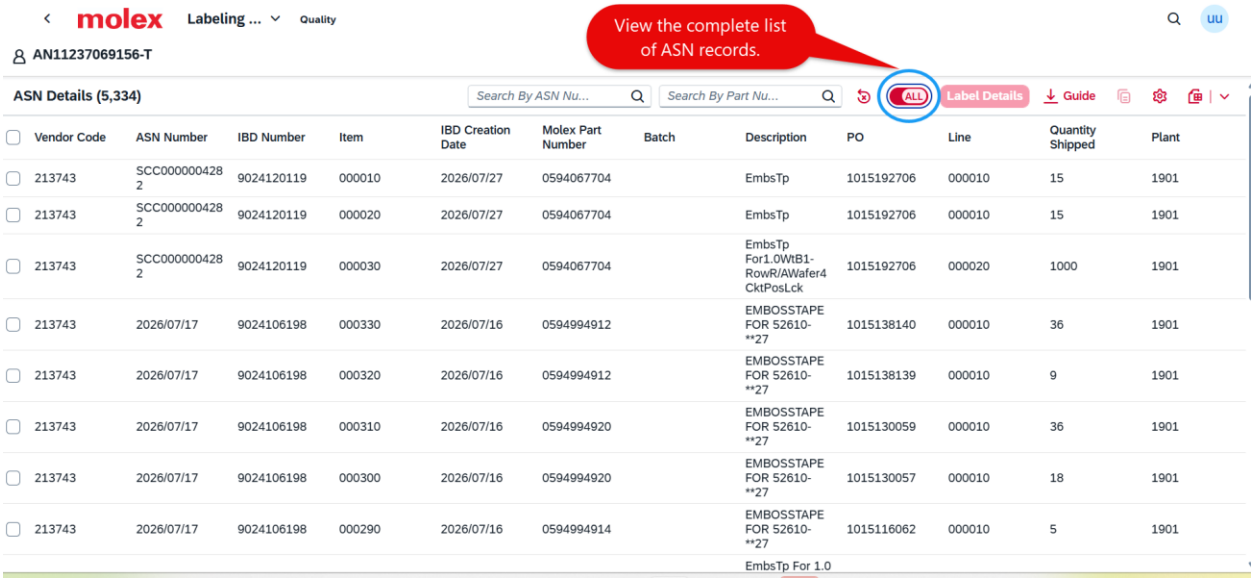
Note: By default, the Home Page opens in DEF mode, which displays only new Ship Notice, partially shipped Ship Notices, **Click ALL** to view the complete list of Ship Notice records.

Default View



Vendor Code	ASN Number	IBD Number	Item	IBD Creation Date	Molex Part Number	Batch	Description	PO	Line	Quantity Shipped	Plant	Country of Origin	GR Status	IBD Created By	Packaging Level 1	Production Date	SLED	Supplier Batch Number
213743	SCC0000004282	9024120119	000020	2026/07/27	0594067704		EmbsTp	1015192706	000010	15	1901	VN	B	RFC_ARIBASCC	1	2026/06/02	2026/09/25	Batch01223
213743	SCC0000004282	9024120119	000030	2026/07/27	0594067704		EmbsTpFor1.0WtB1-RowR/AWafer4CktPosLck	1015192706	000020	1000	1901	VN	A	RFC_ARIBASCC	1	2026/06/01	2026/09/29	Batc1000
213743	09052026	9023732869	000020	2026/05/09	0594992009		EMBO TAPE 52435/37-**27	1014778763	000010	30	1901		A	RFC_ARIBASCC	15	0000/00/00	0000/00/00	
213743	09052026	9023732869	000010	2026/05/09	0594992009		EMBO TAPE 52435/37-**27	1014638410	000010	30	1901		A	RFC_ARIBASCC	15	0000/00/00	0000/00/00	

All View

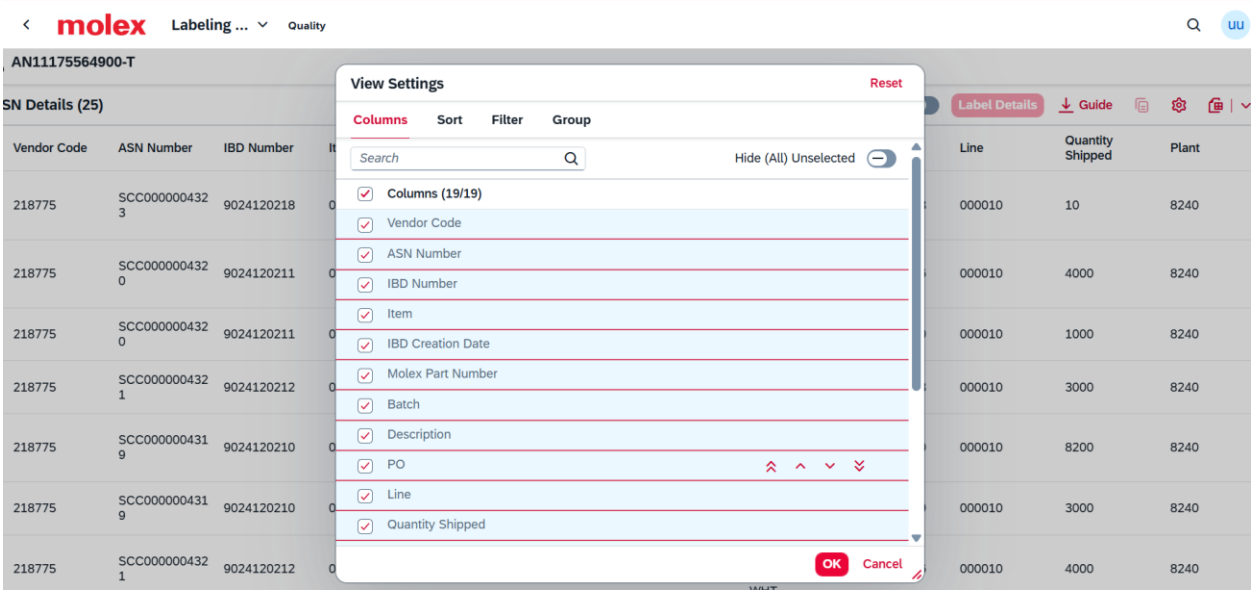


Vendor Code	ASN Number	IBD Number	Item	IBD Creation Date	Molex Part Number	Batch	Description	PO	Line	Quantity Shipped	Plant
213743	SCC0000004282	9024120119	000010	2026/07/27	0594067704		EmbsTp	1015192706	000010	15	1901
213743	SCC0000004282	9024120119	000020	2026/07/27	0594067704		EmbsTp	1015192706	000010	15	1901
213743	SCC0000004282	9024120119	000030	2026/07/27	0594067704		EmbsTpFor1.0WtB1-RowR/AWafer4CktPosLck	1015192706	000020	1000	1901
213743	2026/07/17	9024106198	000330	2026/07/16	0594994912		EMBOSSTAPE FOR 52610-**27	1015138140	000010	36	1901
213743	2026/07/17	9024106198	000320	2026/07/16	0594994912		EMBOSSTAPE FOR 52610-**27	1015138139	000010	9	1901
213743	2026/07/17	9024106198	000310	2026/07/16	0594994920		EMBOSSTAPE FOR 52610-**27	1015130059	000010	36	1901
213743	2026/07/17	9024106198	000300	2026/07/16	0594994920		EMBOSSTAPE FOR 52610-**27	1015130057	000010	18	1901
213743	2026/07/17	9024106198	000290	2026/07/16	0594994914		EMBOSSTAPE FOR 52610-**27	1015116062	000010	5	1901
							EmbsTp For 1.0				

Important: Shipments with a Fully Received (Full GR) status are hidden from the active label generation list.

View Settings

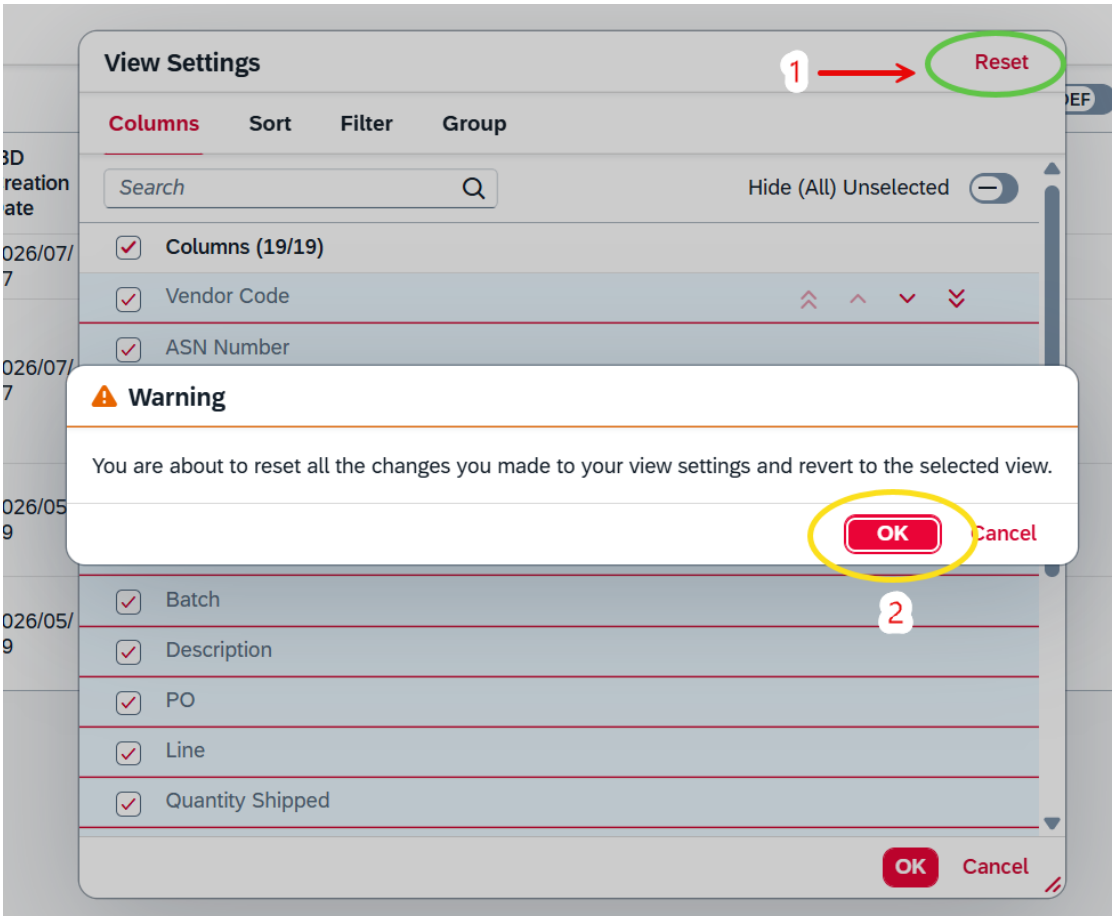
View settings allow you to customize how the shipment records table is displayed, making it easier to focus on the information most relevant to your workflow.



Setting	Available Options
Columns	Show or hide specific columns, search for a column by name, and reorder columns.
Sort	Sort records by Ship Notice Number, Purchase Order, Molex Part Number, or Vendor Code — ascending or descending.
Filter	Filter the list by Vendor, Ship Notice, Material, Plant, or GR Status.
Group	Group records by ASN, Vendor, Purchase Order, or Material for easier review.

Reset Option

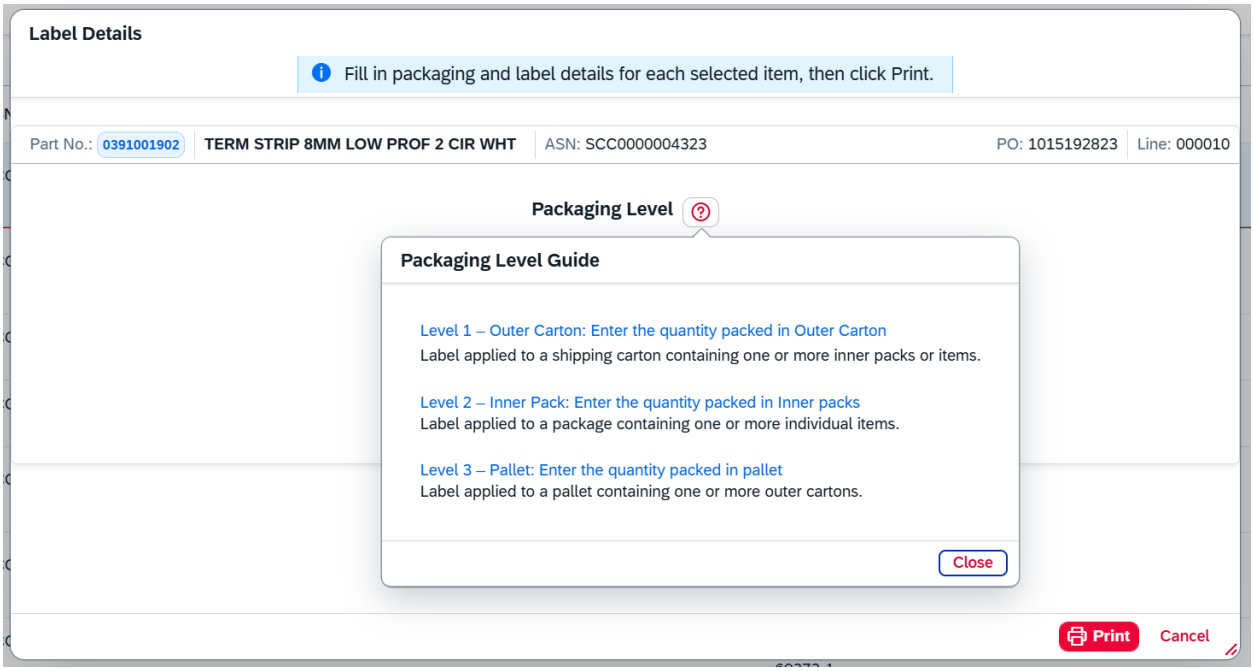
Suppliers can reset any changes made to the view settings by clicking the Reset option, which restores the default settings.



Understanding Packaging Levels

Packaging levels define how your shipment is structured and determine how many labels are generated. You must enter the correct packaging level values before printing labels.

Packaging Level	Represents	Reference
Packaging Level 1	Outer Carton	Level 1 – Outer carton: Enter the quantity packed in Outer Carton. Label applied to a shipping carton containing one or more inner packs or items.
Packaging Level 2	Inner Pack	Level 2 – Inner pack: Enter the quantity packed in Inner packs. Label applied to a package containing one or more individual items.
Packaging Level 3	Pallet	Level 3 – Pallet: Enter the quantity packed in pallet. Label applied to a pallet containing one or more outer cartons.



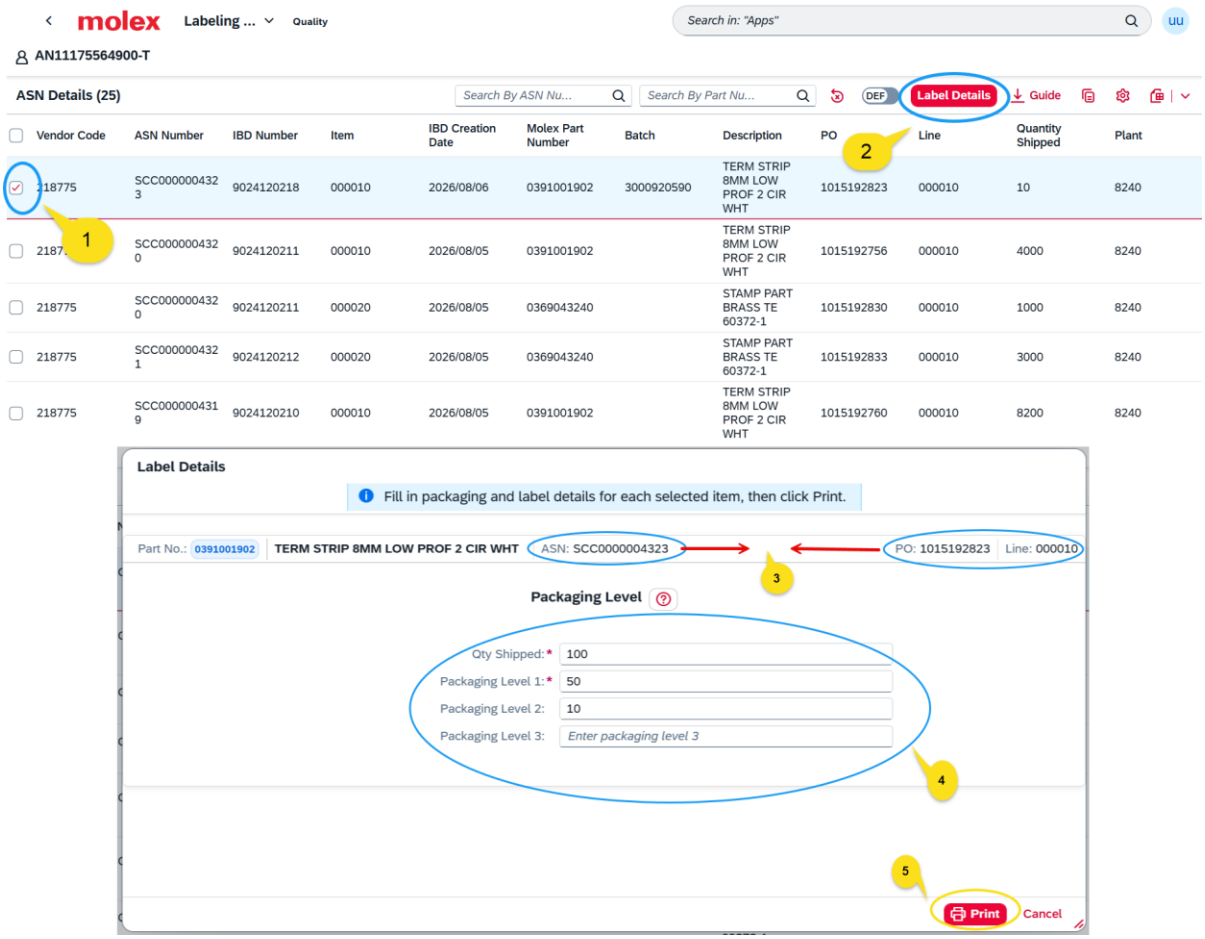
Note: Packaging Level 1 is mandatory. However, suppliers can adjust the quantity while generating the label.

Generating Labels

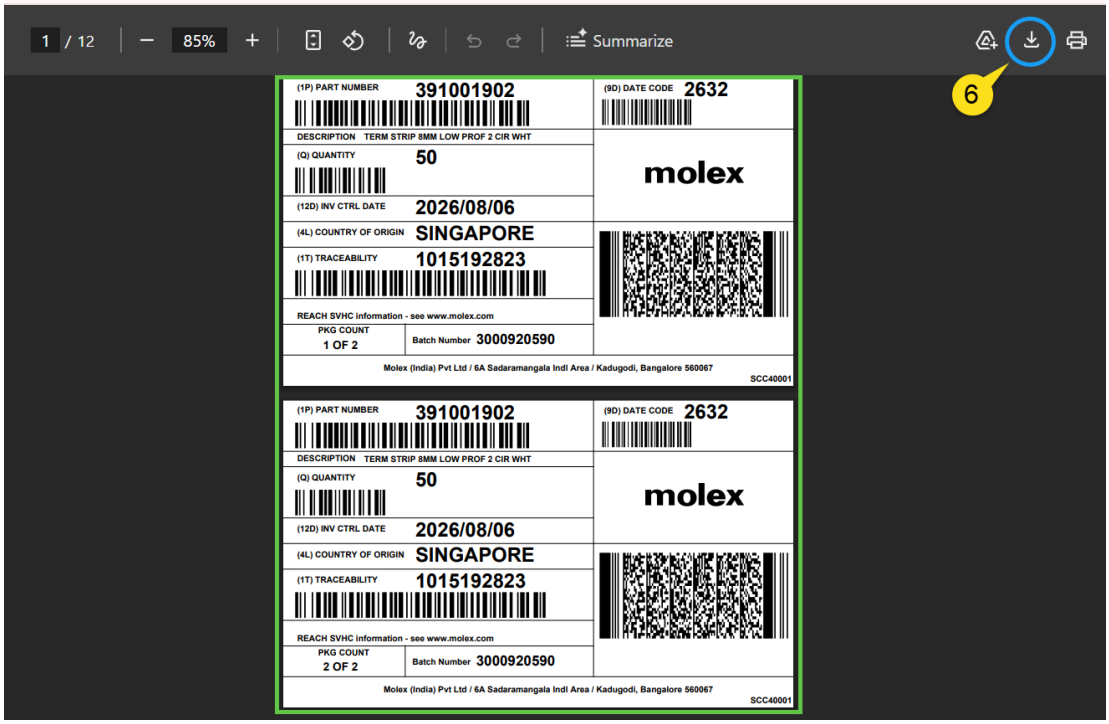
This chapter walks you through the complete process of generating and downloading shipping labels for your Molex shipment.

Step-by-Step Label Generation

1. On the home page, locate and select the Ship Notice record corresponding to your shipment.
2. Click Label Details to open the label generation screen.
3. Review the shipment details displayed — confirm quantity, part number, PO/line-item information.
4. Enter the correct packaging levels (Level 1, Level 2, Level 3) based on your actual shipment structure.
5. Click **Print** to initiate label generation.
6. Download the generated PDF file containing your shipping labels.

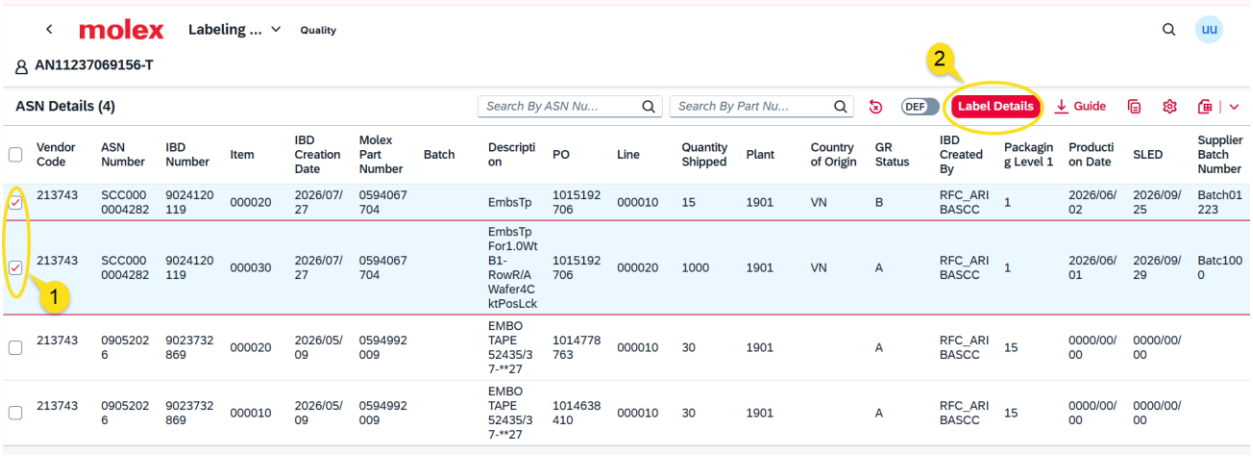

molex
Labeling ...
Quality
Search in: "Apps"
AN11175564900-T
ASN Details (25)
Search By ASN Nu...
Search By Part Nu...
DEF
Label Details
Guide
Vendor Code
ASN Number
IBD Number
Item
IBD Creation Date
Molex Part Number
Batch
Description
PO
Line
Quantity Shipped
Plant
218775
SCC0000004323
9024120218
000010
2026/08/06
0391001902
3000920590
TERM STRIP 8MM LOW PROF 2 CIR WHT
1015192823
000010
10
8240
SCC0000004320
9024120211
000010
2026/08/05
0391001902
TERM STRIP 8MM LOW PROF 2 CIR WHT
1015192756
000010
4000
8240
SCC0000004320
9024120211
000020
2026/08/05
0369043240
STAMP PART BRASS TE 60372-1
1015192830
000010
1000
8240
SCC0000004321
9024120212
000020
2026/08/05
0369043240
STAMP PART BRASS TE 60372-1
1015192833
000010
3000
8240
SCC0000004319
9024120210
000010
2026/08/05
0391001902
TERM STRIP 8MM LOW PROF 2 CIR WHT
1015192760
000010
8200
8240
1
2

Label Details
Fill in packaging and label details for each selected item, then click Print.
Part No.: 0391001902
TERM STRIP 8MM LOW PROF 2 CIR WHT
ASN: SCC0000004323
PO: 1015192823
Line: 000010
3
Packaging Level
Qty Shipped:*
100
Packaging Level 1:*
50
Packaging Level 2:
10
Packaging Level 3:
Enter packaging level 3
4
5
Print
Cancel

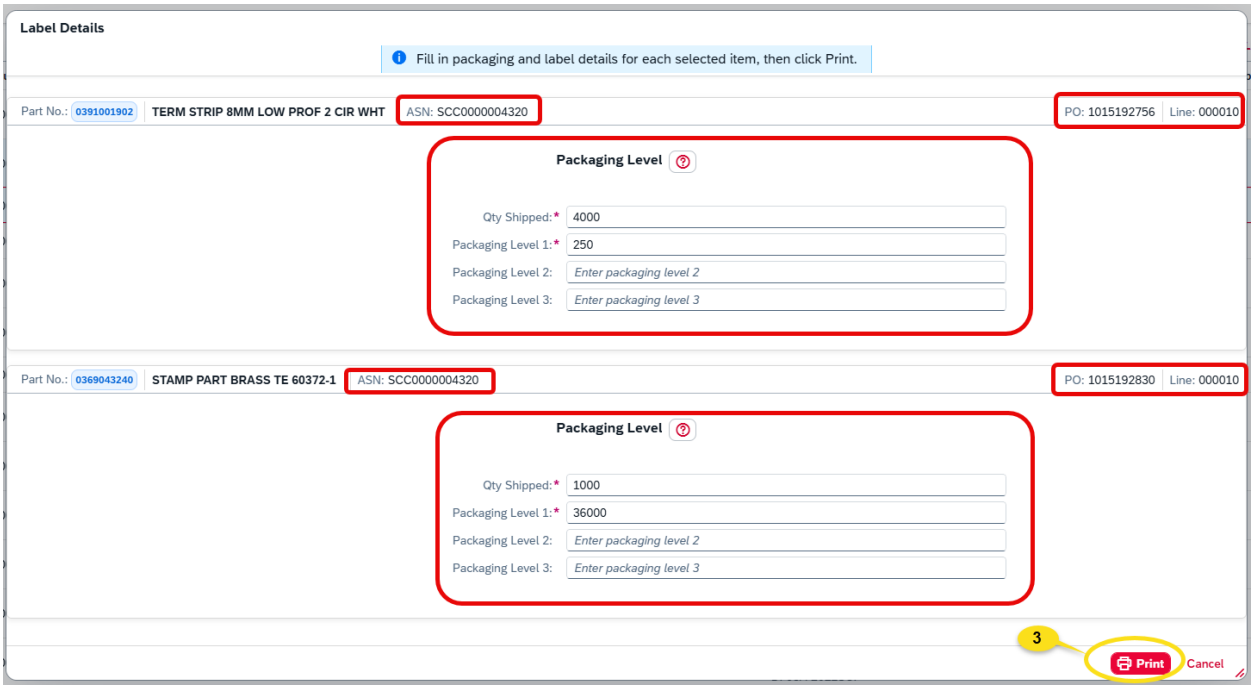

1 / 12
85%
Summarize
6
(1P) PART NUMBER
391001902
(9D) DATE CODE
2632
DESCRIPTION
TERM STRIP 8MM LOW PROF 2 CIR WHT
(Q) QUANTITY
50
molex
(12D) INV CTRL DATE
2026/08/06
(4L) COUNTRY OF ORIGIN
SINGAPORE
(1T) TRACEABILITY
1015192823
REACH SVHC information - see www.molex.com
PKG COUNT
1 OF 2
Batch Number
3000920590
Molex (India) Pvt Ltd / 6A Sadaramangala Indl Area / Kadugodi, Bangalore 560067
SCC40001
(1P) PART NUMBER
391001902
(9D) DATE CODE
2632
DESCRIPTION
TERM STRIP 8MM LOW PROF 2 CIR WHT
(Q) QUANTITY
50
molex
(12D) INV CTRL DATE
2026/08/06
(4L) COUNTRY OF ORIGIN
SINGAPORE
(1T) TRACEABILITY
1015192823
REACH SVHC information - see www.molex.com
PKG COUNT
2 OF 2
Batch Number
3000920590
Molex (India) Pvt Ltd / 6A Sadaramangala Indl Area / Kadugodi, Bangalore 560067
SCC40001

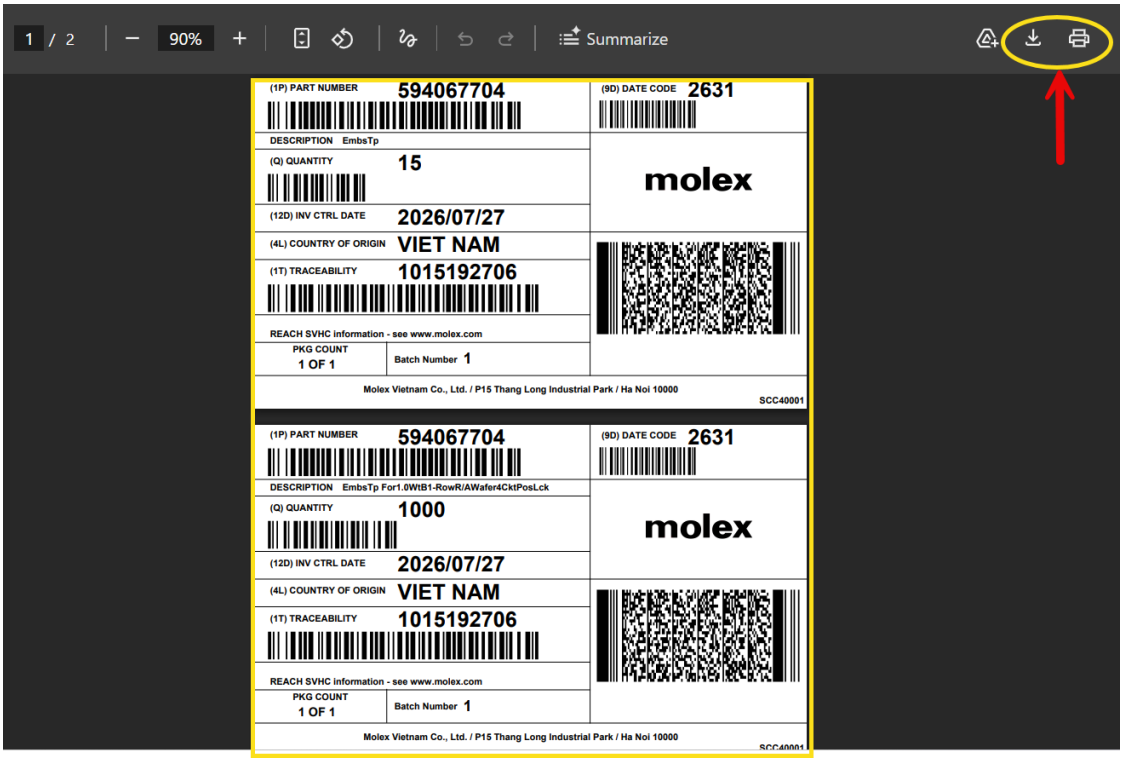
Generate label for Multiple parts from the same Ship Notice

You can select all / multiple ship lines from the same ship notice to generate labels.



Multiple parts selections in single click.





Important Notes

Important:

1. **You cannot print labels for different Ship Notices on the same request. Always ensure all selected records belong to the same Ship Notice before clicking Print.**
2. **The SLED data will appear on the label only if it is entered during ship notice creation or retrieved from the IBD data, if available.**
3. **SELD and Batch Number are optional fields, used for Molex Batch Managed plants.**

Printing Rules

The following rules apply when printing labels. Violations will result in an error, and labels will not be generated.

Printing Scenario	System Behavior	Supplier Action Required
Single Ship notice selected	Allowed	No action needed — proceed normally.
Multiple Ship notice lines from the same Ship notice	Allowed	You may select multiple records from the same Ship Notice and print them together.
Different Ship notices	Error – blocked	Deselect mixed Ship Notice records. Only select lines from the same Ship Notice.
Label count exceeds 4,000	Blocked	Reduce packaging level values and try again.

Error Messages

This chapter describes the error messages you may encounter, and the steps required to resolve them.

Maximum Label Limit

Error: The maximum number of labels per print request is 4,000. This error occurs when the total number of labels calculated from your packaging level inputs exceeds 4,000.

How to Resolve:

- Reduce the packaging level values (e.g., lower the number of inner packs or cartons per print run).
- Split the print request into two or more smaller batches.
- Re-enter the revised packaging levels and click Print again

Troubleshooting

Refer to the table below for common problems, their likely causes, and recommended resolution steps.

Likely Cause	Why & What You Should Do
Ship Notice has not yet synced from SAP Business Network.	Click Refresh and wait a few minutes. If the issue persists, contact Molex by creating support ticket. Link - Support ticket
Supplier Batch #, COO and Production Date missing in Ship notice	Return SCC – Ship notice, edit the Ship notice, maintain the necessary information, submit the Ship notice again
Goods Receipt is already fully completed (Full GR).	Fully received shipments are hidden from the active list.
One or more mandatory fields are missing or incomplete.	Review the Label Details screen, complete all required fields, and attempt to print again.
Records from more than one Ship Notice were selected.	Deselect all records, then reselect only records belonging to the same Ship Notice number.
Packaging level inputs produce more than 4,000 labels.	Reduce packaging level values and try again.

Label Format

Label Stock and Printing

Use 3 × 5-inch labels. Print the PDF at 100% without scaling or fitting.

2D Barcode Content

The label uses a fixed 99-character PDF417 barcode. The table lists field order, positions, lengths, formatting, and examples.

Field name	From position	To position	Field Length	Special Instruction	Comments	Example
MX2D	**1**	**4**	4	Fixed value	Data ID	**MX2D**
1P	**5**	**6**	2	Fixed value	Data ID	**1P**
Part Number	7	16	10	Zero padded	**Molex Part Number** Eg: if part number is **190010001**, the 2D barcode shall have a leading zero to have a length of 10	**0190010001**
Q	**17**	**17**	1	Fixed value	Data ID	**Q**
Quantity	18	29	12	Zero padded	**Quantity of the box/carton** Leading zeroes should be added to make the length to 12	**000000005000**
S	**30**	**30**	1	Fixed value	Data ID	**S**
Traceability value	31	42	12	Zero padded	**Molex Purchase Order number**. Leading Zeroes shall be added to make the length to 12	**000415253324**
13Q	**43**	**45**	3	Fixed value	Data ID	**13Q**
Carton/Box number	46	49	4	Zero padded	A sequential number 1 of, 2 of, etc. **Starting box/carton number** shall be maintained	**0001**
B	**50**	**50**	1	Fixed value	Data ID	**B**
Batch Number	51	60	10	Right space padded	**Batch/Lot Number** value for Supplier. Right space padding to make the length to 10	**1234567890**
12D	**61**	**63**	3	Fixed value	Data ID	**12D**
Date	64	71	8	YYYYMMDD	**Manufacturing Date** in YYYYMMDD format without "/"	**20190619**
4L	**72**	**73**	2	Fixed value	Data ID	**4L**
Country of Origin	74	93	20	Space padded	**Full Country name** e.g.: USA, Ireland, Singapore etc. Left Space padding to make the length to 20	**USA**
MLX	**94**	**96**	3	Fixed value	Data ID	**MLX**
Check Sum	97	99	3	Fixed value	Default 001	**001**

2D String Example:

MX2D1P0190010001Q000000005000S000415253324 13Q0002B123456789012D201906194L USA**MLX**001



SL NO	Text Field	Description
1	PART NUMBER	Molex Part Number as mentioned in the Purchase order
2	DESCRIPTION	Molex Material description
3	QUANTITY	Quantity of the material packed per Box/Carton.
4	Inv. Ctrl Date	Inventory Control Date (Ship Notice Creation date)
5	COUNTRY OF ORIGIN	Country of origin as specified in your Ship Notice
6	TRACEABILITY	Molex Purchase Order Number.
7	SLED	Shelf-Life Expiration Date is maintained in Ship Notice.
8	PACKAGE COUNT	Box/Carton Count Eg: If there are 50 boxes for a part number in a shipment, then box count shall be 1 of 50, 2 of 50 ,1 of 1 etc.
9	Batch NUMBER	Molex Batch Number
10	DATE CODE	Ship Notice creation Date in YYWW format.

Abbreviations

Abbreviation	Full Term
ASN	Advanced Shipping Notice
IBD	Inbound Delivery
GR	Goods Receipt
COO	Country of Origin
YYWW	Year, Week
MPN	Manufacturer Part Number
SLED	Shelf-Life Expiration Date
SAP ECC	SAP ERP Central Component
SAP BTP	SAP Business Technology Platform