

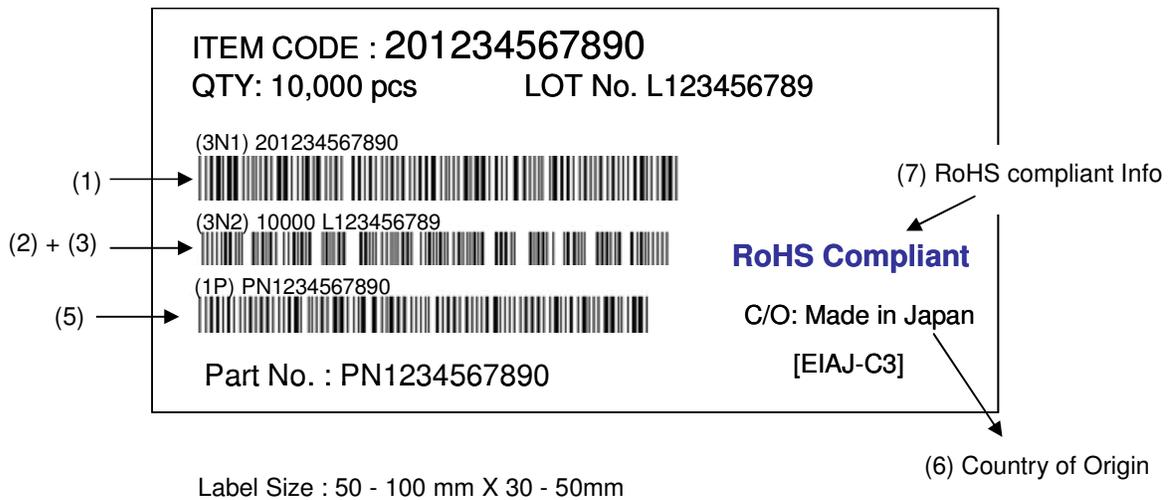
Sumitronics Corporation

C3 Label Format Reference Guide

Dear Sirs;

JEITA (Japan Electronics and Information Technology Industries Association) standardizes documents and Label format for EDI transaction. C3 label is one of Label format for EDI to show Part No, Qty and Lot information etc. There are several C3 label format. Judging from current C3 label format and request from our customer to show Country of origin and RoHS compliant on the label, we would like to ask you to make C3 label and put on your package in the following format.

C3 Label Format Sample Pattern 4f:



Overview of C3 Label Data Field

No	Field Name	Digit	C3 Label Pattern			Sample	Description
			3d	3e	4f		
1	Item Code	Max 25	Yes	Yes	Yes	201234567890	Item Code shown on Purchase Order (Customer Part No.) You should use Characters which defined as CODE39 except SPACE.
2	Qty	Max 7	Yes	Yes	Yes	10000	Qty for Minimum Standard Package
3	Serial No (Lot No.)	Max 12	Yes	Yes	Yes	L123456789	Serial No. / Lot No. which can be used for Lot Trace purpose. You should use Characters which defined as CODE39 except SPACE. And this Number should be unique at least one year.
4	Vender Code	6	Option	Option	N/A	123456	If you have JEITA resist rated Vender Code, please fill 6 Digit of Vender Code. If you do not have JEITA Vender Code, please use format 4f, which does not use Vender Code field.
5	Maker Part No. (JEITA Option)	Max 25	(Yes)	(Yes)	(Yes)	PN1234567890	Showing Maker Part No information is option as JEITA regulation. However, Sumitronics would request you to show Maker P/N here.

1. Item Code, Qty, Lot No. (JEITA standard required)

- (1) Item Code: Item Name / Part No. on Purchase Order (Customer's P/N) Max 25 digit
- (2) Qty: Quantity in standard package Max 7 digit
- (3) Lot No, Serial No. : Information for Quality Trace Max 12 digit
- (4) Vender Code: If you have JEITA Company Code 6 digit, please input 6 digit with 3d,3e pattern.
If you do not have JEITA Company Code, please use 4f pattern.
You do not need to input this field.
Even you input JEITA Company code, Sumitronics will not use this code.

2. Manufacturer P/N, Maker P/N (JEITA recommended / STX Required)

- (5) Manufacturer P/N, Maker P/N Max 25

In JEITA Standard, this field is recommended option as vender item code.

Sumitronics request to show Manufacturer's P/N in this field.

Barcode should start from <1P> header and show P/N in letters on the label.

Please refer Character list for CODE39. You can use only character in CODE39 character list.

3. Country of Origin (Required)

- (6) In English letters, please show Country of Origin on the label.

4. RoHS compliant indication (Required) (7)

When you have own standard RoHS compliant marking, indication on your current label, you can use your own marking / indication on the label. When you do not have any own standard for RoHS compliant product, please show " RoHS Compliant " or "RC" as RoHS compliant indication.

If your product is not RoHS compliant, please show " **RoHS NG** " in red Letters or Highlight by Marker.

In case our customer or our branch requests you for RoHS special indication, please follow their instruction

5. Other Information on the C3 Label.

You can show your own information on the label as much label printing area allows, but please do not print Barcode except the above.

6. C3 Label Format Pattern

JEITA standard has several label format, we would like to ask you to chose from following 3 Pattern, As for (4) Vender Code, if you already have Vender Code from JEITA, you can keep it at 3d, 3e.

Pattern 3d. Two Barcode line for (1), (2), (3), (4) and one Barcode Line for (5)

Pattern 3e. Two Barcode line for (1), (2), (3), (4) and one Barcode Line for (5)

Pattern 4f. Two Barcode line for (1) and (2), (3) without (4) and one Barcode Line for (5).

Format Pattern 3d.

1st Barcode Line			2nd Barcode Line			3rd Barcode Line		
Field	Digit	HRI	Field	Digit	HRI	Field	Digit	HRI
START/STOP	1	No Show	START/STOP	1	No Show	START/STOP	1	No Show
C3 Label ID "3N"	2	Show as (3N)	C3 Label ID "3N"	2	Show as (3N)	C3 Label ID "1P"	2	Show as (1P)
EIAJ Barcode Line No	1	1	EIAJ Barcode Line No	1	2	Maker Part No.	Max 50	Max 50
Item Code	Max 25	Max 25	SPACE	1	SPACE			
START/STOP	1	No Show	Qty	Max 7	Max 7	START/STOP	1	No Show
			SPACE	1	SPACE			
			Serial No. / Lot No	Max 12	Max 12			
			SPACE	1	SPACE			
			Vender Code	6	6 digit			
			START/STOP	1	No Show			

HRI: Human Readable Interpretation

Pattern 3d.

*	3N	1	ITEM CODE (Customer Code)			*			
MAX 25									
*	3N	2	SP	QTY	SP	LOT No	SP	Vender CODE	*
			MAX 7		MAX 12		MAX 6		
*	1P	Maker Part No				*			
MAX 50									

Format Pattern 3e.

1st Barcode Line			2nd Barcode Line			3rd Barcode Line		
Field	Digit	HRI	Field	Digit	HRI	Field	Digit	HRI
START/STOP	1	No Show	START/STOP	1	No Show	START/STOP	1	No Show
C3 Label ID "3N"	2	Show as (3N)	C3 Label ID "3N"	2	Show as (3N)	C3 Label ID "1P"	2	Show as (1P)
EIAJ Barcode Line No	1	1	EIAJ Barcode Line No	1	2	Maker Part No.	Max 50	Max 50
Item Code	Max 25	Max 25	SPACE	1	SPACE			
SPACE	1	SPACE	Serial No. / Lot No	Max 12	Max 12	START/STOP	1	No Show
Qty	Max 7	Max 7	SPACE	1	SPACE			
START/STOP	1	No Show	Vender Code	6	6 digit			
			START/STOP	1	No Show			

HRI: Human Readable Interpretation

Pattern 3e.

*	3N	1	ITEM CODE (Customer Code)			SP	QTY	*
			MAX 25			MAX 7		
*	3N	2	SP	LOT No	SP	Vender CODE	*	
			MAX 12			MAX 6		
*	1P	Maker Part No					*	
MAX 50								

Format Pattern 4f.

1st Barcode Line			2nd Barcode Line			3rd Barcode Line		
Field	Digit	HRI	Field	Digit	HRI	Field	Digit	HRI
START/STOP	1	No Show	START/STOP	1	No Show	START/STOP	1	No Show
C3 Label ID "3N"	2	Show as (3N)	C3 Label ID "3N"	2	Show as (3N)	C3 Label ID "1P"	2	Show as (1P)
EIAJ Barcode Line No	1	1	EIAJ Barcode Line No	1	2	Maker Part No.	Max 50	Max 50
Item Code	Max 25	Max 25	SPACE	1	SPACE			
START/STOP	1	No Show	Qty	Max 7	Max 7	START/STOP	1	No Show
			SPACE	1	SPACE			
			Serial No. / Lot No	Max 12	Max 12			
			SPACE	1	SPACE			
			START/STOP	1	No Show			

HRI: Human Readable Interpretation

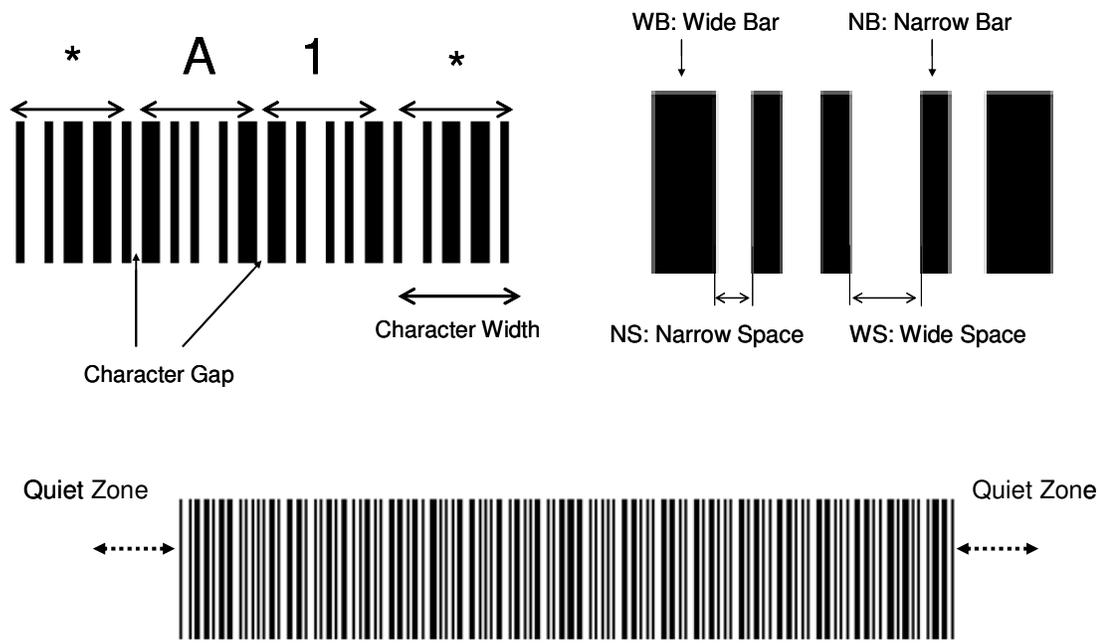
Pattern 4f.

*	3N	1	ITEM CODE (Customer Code)			*		
MAX 25								
*	3N	2	SP	QTY	SP	LOT No	SP	*
			MAX 7			MAX 12		
*	1P	Maker Part No					*	
MAX 50								

7. JEITA C3 Label barcode detail specification and CODE39 Character

JEITA specified C3 Label barcode specification (CODE39 Type) as follows.

1. Barcode Type	CODE39	Max	Min
1.1 Barcode Size	Narrow Wide Ratio	1 : 2	1 : 3
	Width of Narrow Bar/Space	0.125mm	0.25mm
	Width of Wide Bar/Space	0.250mm	0.75mm
	Character Gap	0.125mm	0.25mm
1.2 Character / inch		15.875	6.383
1.3 Barcode Height	Min 5mm		
1.4 Barcode line gap	Min 5mm		
1.5 Quiet Zone	Both side 3.81mm		
1.6 Check Digit	N/A		
1.7 Start/Stop	""", no show as human readable interpretation		



- NOTE -

C3 Label uses CODE39 Barcode format. CODE39 can use limited characters as follows. You can not use ", #, (,), and other characters not shown in the following list.

However, you can not use SPACE for C3 Label Data Field.

C3 Label format specification does not allow to use SPACE, because SPACE is Data separator.

No	Char	No	Char	No	Char	No	Char	No	Char
0	0	10	A	20	K	30	U	40	/
1	1	11	B	21	L	31	V	41	+
2	2	12	C	22	M	32	W	42	%
3	3	13	D	23	N	33	X	(43)	* Start/Stop
4	4	14	E	24	O	34	Y		
5	5	15	F	25	P	35	Z		
6	6	16	G	26	Q	36	-		
7	7	17	H	27	R	37	.		
8	8	18	I	28	S	38	SPACE		
9	9	19	J	29	T	39	\$		

8. Sumitronics WEB C3 Label Printing Service.

You can make C3 label by Microsoft Excel, Access as standard software and by Laser Printer.

Also, Sumitronics is providing " WEB C3 Label Printing Service".

You can make C3 label anywhere, anytime.

Please refer "STX WEB C3 Label Printing Service Quick Guide".

Sumitronics WEB Site : <http://www.sumitronics.co.jp/partner/procure.html>