Computime — Artwork (online printing) Approval Form

Model Number	TRN1055		Rev.	1.0
Part Number	5A0ETRN105510CT-			
Part Description	ARTWORK ASSEMBLY LBL ENG TRN1055 23X19 ROHS			
Department	HVA-MEE			

Details:

1. Material:50 micron polyester film .
2. Colour: Black text with White background
3. Size : 19*23mm.
4. Match:54S-TRN850110H30
5. Fonts: Arial

Artwork:

Customer drawing

remark:

SERIAL #:YYWWMMCCCX

YY- Current Year

WW-week

MM=DH-supplier code

CCC-defined in DS-00085

X-fixed.

LAN MAC Address range: Please refer test sepc.
WLAN MAC Address are come from the WiFi IC itself, which we need to read on the PCBA once.
The data of AUID is come from the IC itself,range: refer test spec.

2D bar code format:ECC200 of data matrix .

Data ID	Field Name	Data Field
1P	Model #	AZON1050AC52ZC
S	Serial #	YYWWDHCCCX
17D	Production Date	DDMMYYYY
V	Vendor Code	DH
23S	WLAN MAC Address	XXXXXXXXXXXX
24S	LAN MAC Address	XXXXXXXXXXXX
26S	AUID	XXXXXXXX

Bar code information:

$]>^R_S 06^G_S 1P$**AZON1050AC52ZC** ^G_S SYYWWDHCCCX ^G_S17DDDMMYYYY^G_SVDH^G_S23SXXXXXXXX

XXXX^G_S 24SXXXXXXXXXXXX^G_S26SXXXXXXXX$^R_S$$^E_o_T$

Scan result(for reference)

$]>$ 06 1P**AZON1050AC52ZC** SYYWWDHCCCX 17DDDMMYYYY VDH 23SXXXXXXXXXXXX 24SXXXXXXXXXXXX 26SXXXXXXXX

Issued by			Approved by	
Printed Name	Bob Chen		Printed Name	Jessica Huang
Date (MM/DD/YY)	11/01/2022		Date (MM/DD/YY)	11/01/2022

Distrisbution List:	☒ MEN	☒ Marketing	☒ QUA	☒ PRD	☐ Other

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REVISION NOTICE

REV. LTR.	ECN	ITEM NO.	DATE	DESCRIPTON	CHECKED	APPROVED
0	New			Initial Release		
1			Jul 24, 2012	**Updated to correct version of DS format** **Added scope and responsibilities and ownership sections** **Changed to include Branded and Sourced Products.** **Renamed Serial Numbers for RS & CS Electronic Accessories and Sourced / Branded Products.** **Added Sourced Products to Glossary** **Changed serial number format where last digit is an X** **Added 5th digit cannot be 1-7** **Corrected errors for Base 31 system and added description for how to calculate** **Changed number signs in serial code to CCC for clarity** **Removed MM supplier codes to new design standard.**		

DISTRIBUTION:

Purpose

Unique Serial Number – serial numbers should be unique。

1. Serial Code Format for External Manufactured Units

1.1. All external manufactures shall use the following format YYWWMMCCCX:

YY: The first and second locations represent the fiscal year, which is last two numbers in the actual year. Between 2002 and 2009 the first digit will be zero. For example, 2003 is 03 and 2014 is 14. These fields will range from 00-99.

WW: The third and fourth locations in the serial number represent the fiscal week one (01) to fifty-three (53) in which the unit was manufactured. The fiscal year for purposes of this encoding will run from January 1 (week 1) to December 31. These fields can range from 01-53.

MM: The fifth and sixth locations represent a unique supplier code for the particular product and plant/line that the unit was manufactured, which prevents the same serial number from appearing for multiple sourced products and therefore avoids conflictions in support systems.

The field can range from 00-ZZ and utilize A through Z and 0 through 9, with the following exceptions: The fifth digit cannot be numbers 1-7 as these are used in other serial number formats to signify the day of the week, and the letters I, O, Q, V, and Z will not be used to avoid confusion with numbers.

Refer to engineering process instruction EPI-00171 错误！未找到引用源。 for MM supplier codes for specific branded and sourced products.

CCC: The seventh through ninth positions are used to count up the number of units built each week. This field will range from 000-ZZZ and utilize A through Z and 0 through 9 except letters I, O, Q, V, and Z will not be used to avoid confusion with numbers. Use of Base 31 coding per section 1.2.2 is strongly recommended but is not required. If Base 31 coding is not used, the manufacturer shall ensure that unique serial numbers are generated (e.g., counting up from zero each week) and shall provide information to Trane as requested for decoding.

X: The 10th digit for sourced and branded product shall be an X. Exceptions to this digit may be allowed pending approval from the RS C&E IT department.

1.2. Base 31 format (for use in CCC positions)

1.2.1. Base 31 formatting allows for up to 29,790 units to be built each week by the manufacturer without duplication of serial numbers. Table 1 shows the digit and digit value that shall be used for Base 31 coding.

Table 1: Values for digits in Base 31 format

Digit	Value
A	0
B	1
C	2
D	3
E	4
F	5
G	6
H	7
J	8
K	9
L	10
M	11
N	12
P	13
R	14
S	15
T	16
U	17
W	18
X	19
Y	20
0	21
1	22
2	23
3	24
4	25
5	26
6	27
7	28
8	29
9	30

1.2.2.   To code the CCC positions:

Step 1: Take the count of units for the week and divide by 961 (31 squared). The integer of this quotient is the digit value for the seventh position in the serial number.

Step 2: Take the remainder of the quotient in Step 1 and divide by 31. The integer of this new quotient is the digit value for the eighth position in the serial number.

Step 3: The remainder of the quotient from Step 2 is the digit value for the ninth position in the serial number.

Step 4: Look up the digit associated with the digit values in Table 1 from each step to determine the number

1.2.3.   For example: 6879th unit built that week = HE7.
First C position: 6751/961 = 7 with a remainder of 152. Per

Table **1**, value of 7 = "H"
Second C position: 152/31 = 4 with a remainder of 28. Value of 4 = "E"
Third C position: Value of 28 = "7"

1.2.4.   To decode the CCC positions:
Step 1: Take the first C digit value (found in Table 1) and multiply it by 961 (31 squared).

Step 2: Take the second C digit value and multiply it by 31.

Step 3: Add the numbers obtained in Step 1 and Step 2.

Step 4: Take the third C digit value and add it to the number obtained in Step 3.

For example: AJ8 = 277th unit built that week.
"A" value = 0
"J" value = 8
"8" value = 29

(0*961)+(8*31)+29 = 277