

QUALITY ASSURANCE CENTRE

High-Risk or Counterfeit Parts Report

October 2023 Edition

A large, diamond-shaped graphic with a green-to-yellow gradient is centered on the left side of the slide. It is overlaid on a white square outline. The word "AGENDA" is written in bold, black, sans-serif capital letters in the center of the diamond.

AGENDA

- 1 About Briocean
Quality Assurance
Centre**
- 2 Tier-1 Inspection
Interception List**
- 3 Tier-2 Inspection
Interception List**

01

About Brioccean Quality Assurance Centre

1.1 Briocean Quality Assurance Centre

BRIOCEAN

Briocean has constructed two QA centres, separately in Shenzhen and Hong Kong, each with an approximate area of **1,000 square metres**. The centres have over **60 state-of-the-art professional testing equipments** and more than **50 qualified inspection engineers**.

It adopts the **3-tier** international standard quality control(QC) process with the 4th tier outsourced testing to third party as part of our strategic partnership. These enable us to ensure that we only deliver authentic quality components to our clients.

Briocean's QA Centre is internationally recognised, meeting **IDEA**, **ISO 17025**, and **ISO 9001:2015** standards. We are also an **ERAI** member.



1.2 Briocean Quality Assurance Centre

BRIOCEAN

As an industry leader in QC, Briocean adopts a zero-tolerance policy towards counterfeit chips. Our stringent quality assurance process boasts a 100% interception rate to ensure no counterfeits get mixed into our clients' supply chain.

In this report, you will find the list of high-risk or counterfeit parts intercepted by Briocean QA Centre's inspection engineers. This list comprises of the shipments intercepted in the month of October 2023.

02

Tier-1 Inspection Interception List

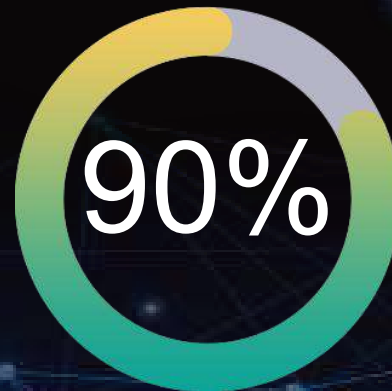
2.0 Tier-1 Inspection Interception List

BRIOCEAN

Labelling & Packaging Verification

Comparing of the shipment's label and packaging with the original label and packaging in Brioccean's QA database.

Counterfeit Interception Rate:



*List is arranged in alphabetical order.

2.1 ABRACON

BRIOCEAN

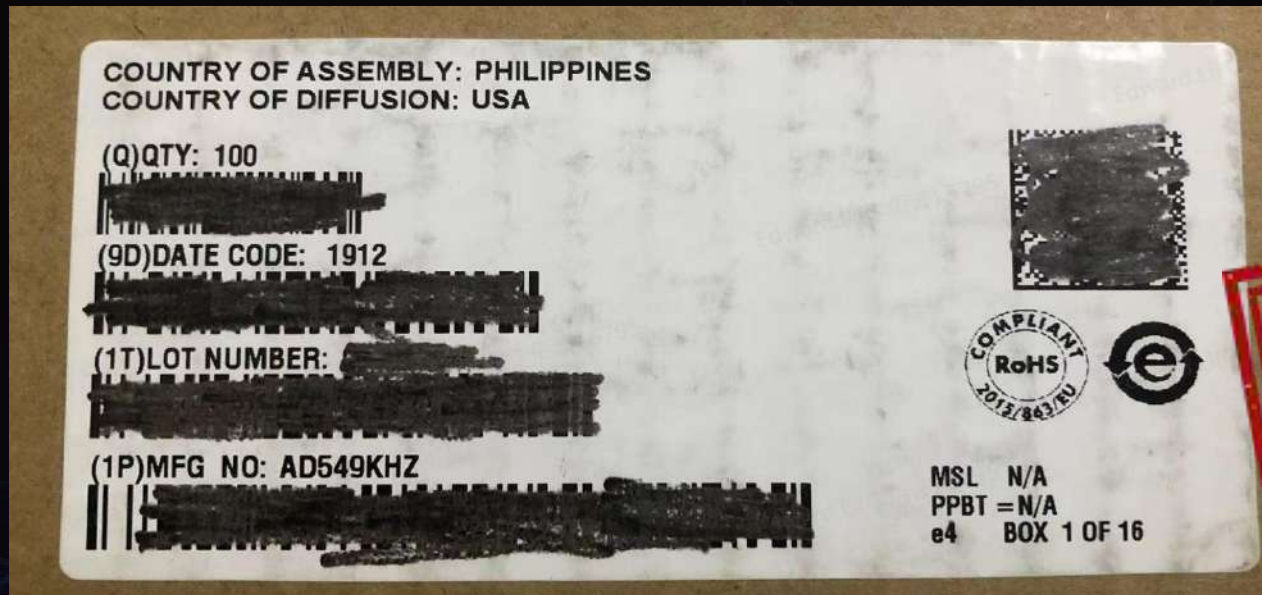
Part Number	Brand	Country of Manufacture	Date Code
ABM8G-12.000MHZ-18-D2Y-T	ABRACON	UNKNOWN	23+



FAILED

2.2 ANALOG DEVICES INC

Part Number	Brand	Country of Manufacture	Date Code
AD549KHZ	ANALOG DEVICES INC	PHILIPPINES	19+



2.2 ANALOG DEVICES INC

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
LT4356HMS -1#TRPBF	ANALOG DEVICES INC	THAILAND	23+

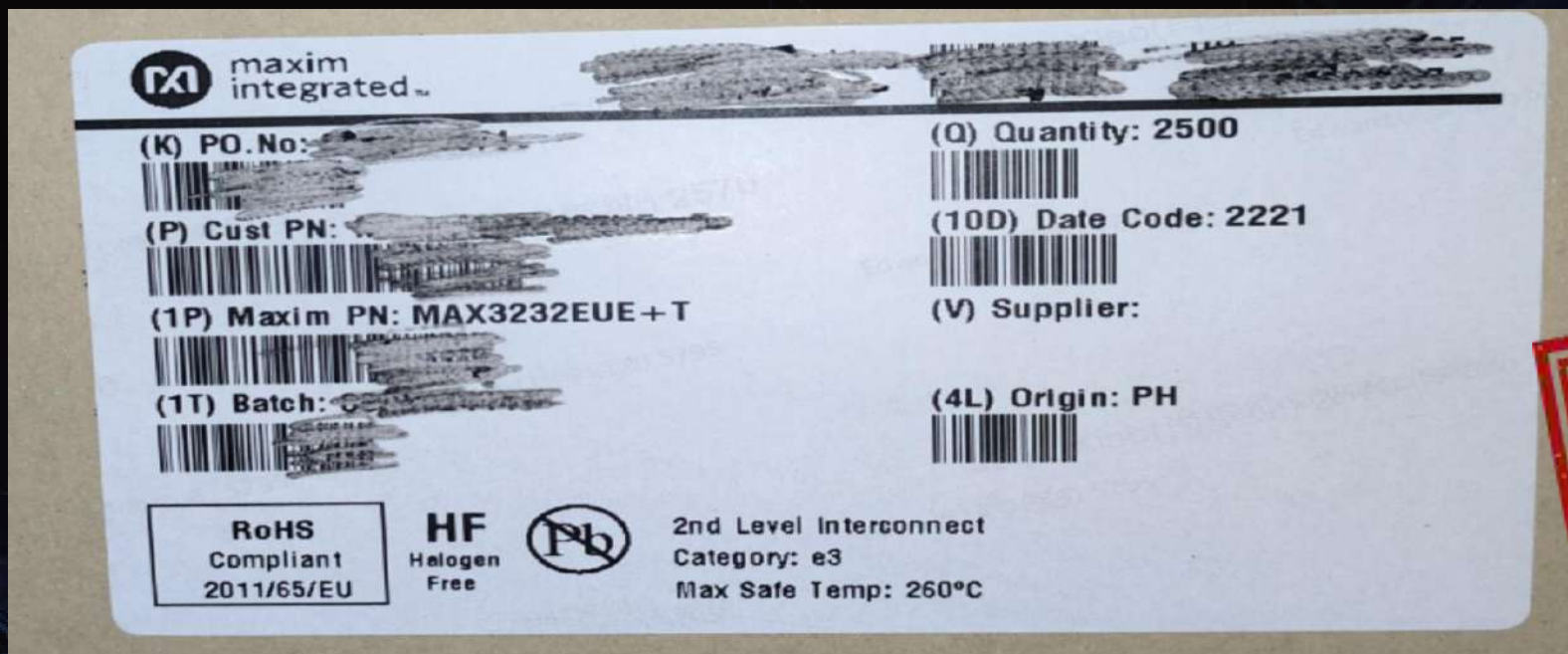


FAILED

2.3 MAXIM INTEGRATED

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
MAX3232EUE+T	MAXIM INTEGRATED	PHILIPPINES	22+



2.3 MAXIM INTEGRATED

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
MAX3232EUE+T	MAXIM INTEGRATED	PHILIPPINES	23+

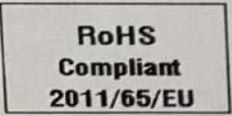
 maxim integrated... Sales Order / Line 4357928 / 17  HU: 1059936291 DN: 806077492

(K) PO. No: 6205471452  (Q) Quantity: 2500 

(P) Cust PN: (10D) Date Code: 2302 

(1P) Maxim PN: MAX3232EUE+T  (V) Supplier:

(1T) Batch: 0006140290  (4L) Origin: PH 

   2ND LEVEL INTERCONNECT
Category: e3
Max Safe Temp: 260°C

FAILED

2.3 MAXIM INTEGRATED

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
MAX2472EUT+T	MAXIM INTEGRATED	UNKNOWN	18+



FAILED

2.4 NXP SEMICONDUCTORS

Part Number	Brand	Country of Manufacture	Date Code
MC33879APEKR2	NXP SEMICONDUCTORS	CHINA	21+



2.5 ON SEMICONDUCTOR

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
SZMMSZ5247BT1G	ON SEMICONDUCTOR	CHINA	23+



2.5 ON SEMICONDUCTOR

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
NUP4201MR6T1G	ON SEMICONDUCTOR	CHINA	22+



2.5 ON SEMICONDUCTOR

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
MBRA160T3G	ON SEMICONDUCTOR	VIETNAM	22+



2.5 ON SEMICONDUCTOR

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
SZMMSZ5247BT1G	ON SEMICONDUCTOR	CHINA	23+



2.5 ON SEMICONDUCTOR

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
NTTFS4C05NTWG	ON SEMICONDUCTOR	UNKNOWN	23+

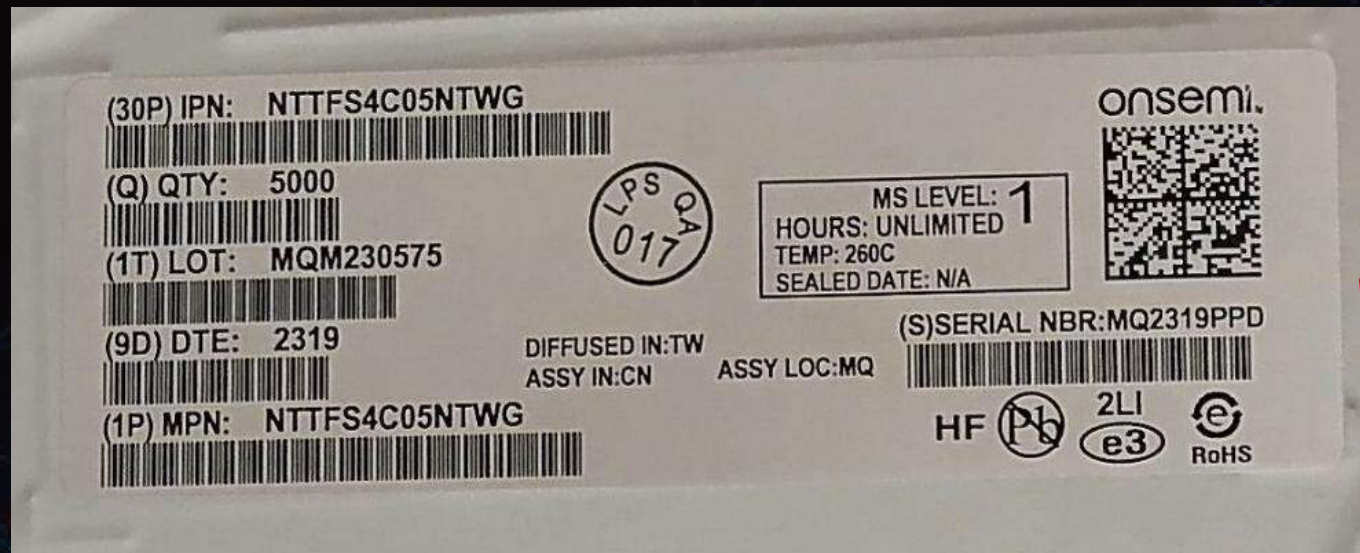


FAILED

2.5 ON SEMICONDUCTOR

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
NTTFS4C05NTWG	ON SEMICONDUCTOR	UNKNOWN	23+

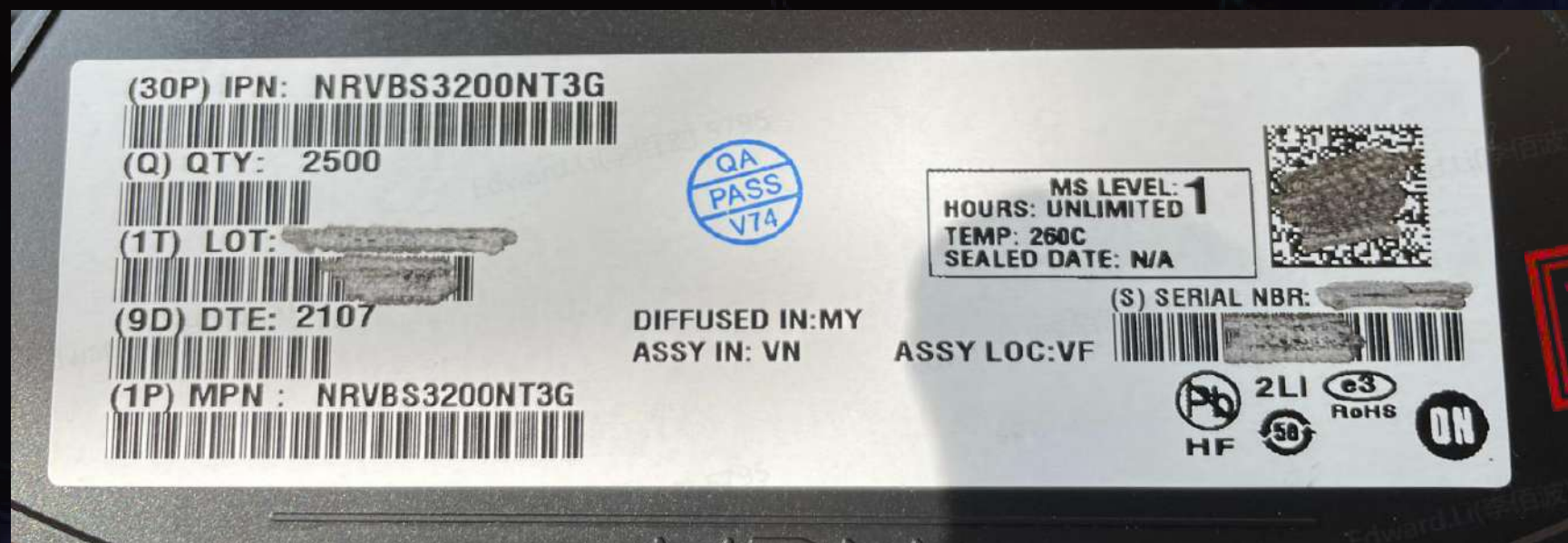


FAILED

2.5 ON SEMICONDUCTOR

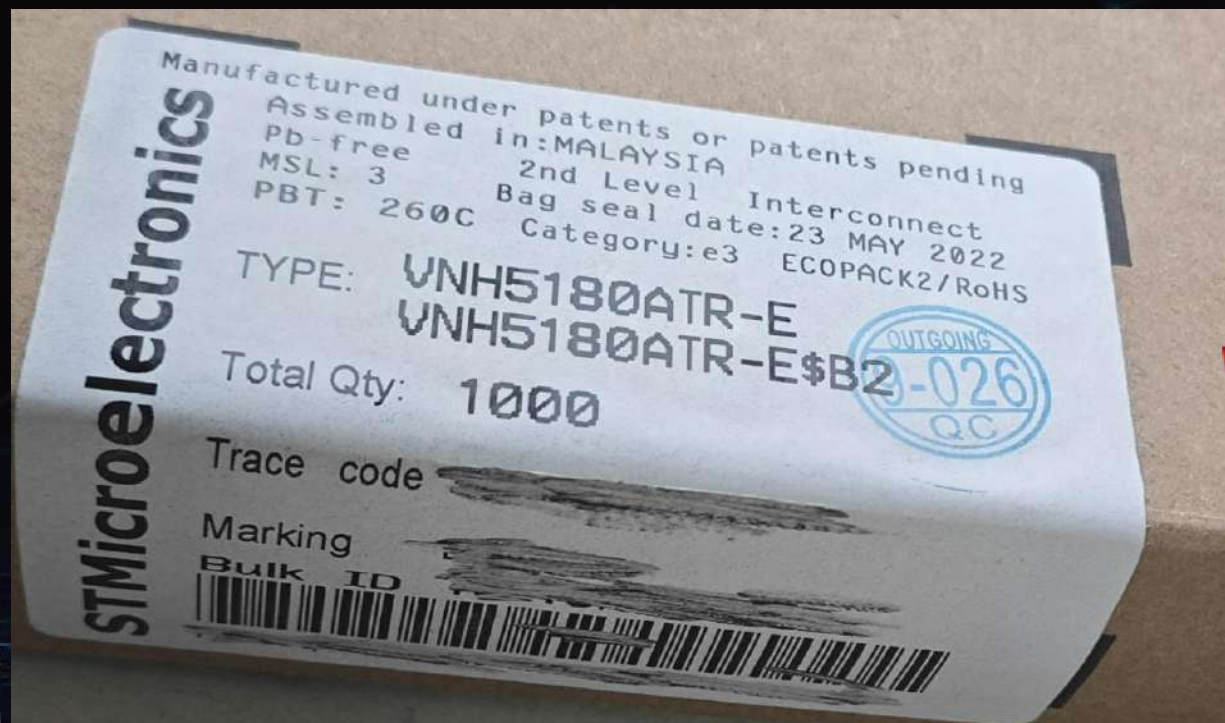
BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
NRVBS3200NT3G	ON SEMICONDUCTOR	VIETNAM	21+



2.6 ST MICROELECTRONICS

Part Number	Brand	Country of Manufacture	Date Code
VNH5180ATR-E	ST MICROELECTRONICS	MALAYSIA	UNKNOWN



2.6 ST MICROELECTRONICS

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
VNH5180ATR-E	ST MICROELECTRONICS	MALAYSIA	21+



FAILED

2.6 ST MICROELECTRONICS

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
SM15T36CA	ST MICROELECTRONICS	CHINA	UNKNOWN



FAILED

2.6 ST MICROELECTRONICS

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
BU508AW	ST MICROELECTRONICS	CHINA	21+



FAILED

2.6 ST MICROELECTRONICS

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
BU508AW	ST MICROELECTRONICS	CHINA	21+



FAILED

2.7 TDK CORPORATION

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
C2012X5R1A336M125AC	TDK CORPORATION	JAPAN	23+



2.8 TEXAS INSTRUMENTS INC

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
OPA547FKTWT	TEXAS INSTRUMENTS INC	MALAYSIA	21+



2.8 TEXAS INSTRUMENTS INC

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
OPA547FKTWT	TEXAS INSTRUMENTS INC	MALAYSIA	21+



2.8 TEXAS INSTRUMENTS INC

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
OPA2277U/2K5	TEXAS INSTRUMENTS INC	MALAYSIA	19+



2.8 TEXAS INSTRUMENTS INC

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
OPA2277U/2K5	TEXAS INSTRUMENTS INC	MALAYSIA	22+



2.8 TEXAS INSTRUMENTS INC

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
OPA547FKTWT	TEXAS INSTRUMENTS INC	MALAYSIA	22+



2.9 TOREX CORPORATION

BRIOCÉAN

Part Number	Brand	Country of Manufacture	Date Code
XC6206P332MR-G	TOREX CORPORATION	JAPAN	22+



Part Number	Brand	Country of Manufacture	Date Code
RV1206FR-071K8L	YAGEO CORPORATION	UNKNOWN	23+



3.0 Tier-2 Inspection Interception List

BRIOCEAN

VISUAL & MARKING INSEPECTION

With a magnification up to 160x, the LEICA microscope is used to inspect the interior and exterior sides of the component for its dimensions and check for scratches, polishing, breakage or oxidation on the BGA.

Counterfeit Interception Rate:

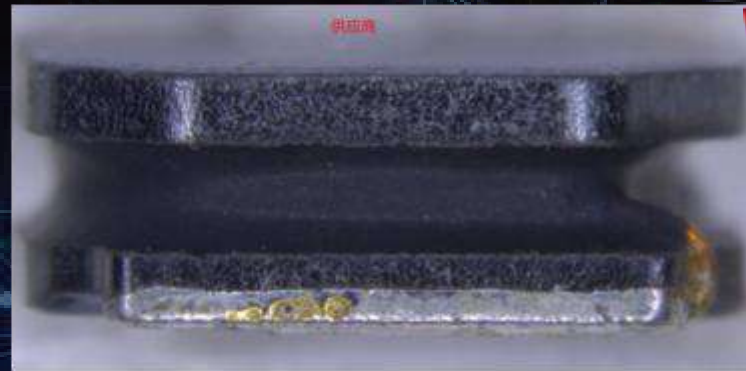
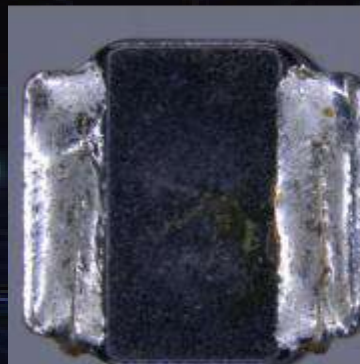


*List is arranged in alphabetical order.

3.1 TAI-TECH

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
HPC5020NF-4R7M	TAI-TECH	UNKNOWN	21+

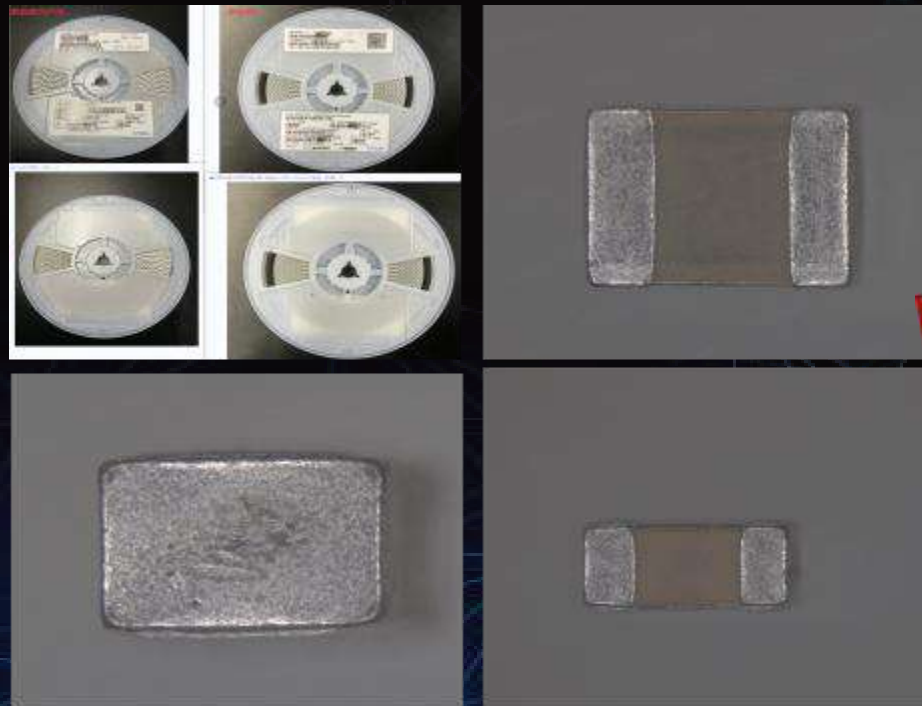


FAILED

3.2 TDK CORPORATION

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
C2012X5R1A336M125A	TDK CORPORATION	JAPAN	22+



FAILED

3.3 TOREX

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
XC6206P332MR-G	TOREX	UNKNOWN	22+

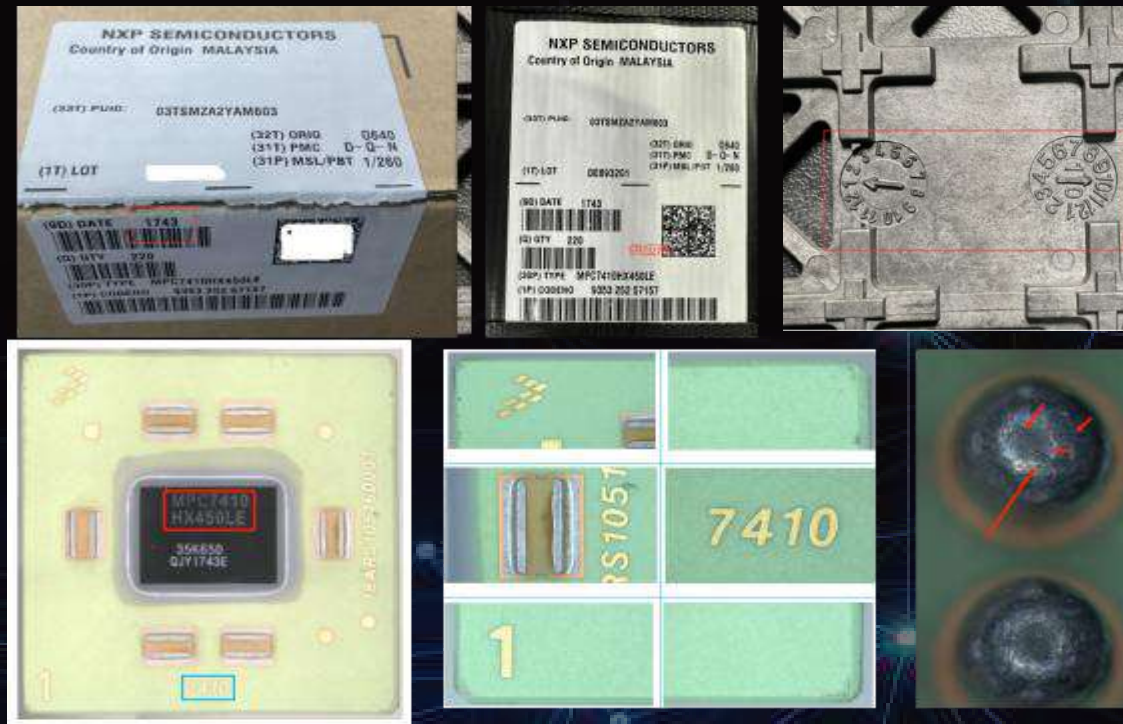


FAILED

3.4 NXP SEMICONDUCTORS

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
MPC7410HX450LE	NXP SEMICONDUCTORS	MALAYSIA	1743



FAILED

Brioccean Technology

THANK YOU

Your preferred supplier in global sourcing