

# HIGH-RISK OR COUNTERFEIT PARTS REPORT

QUALITY  
ASSURANCE  
CENTRE

November 2024

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 Quality Assurance (QA) Centres, separately in Shenzhen and Hong Kong, each with a total area of 2,000sqm. The centres have over 100 state-of-the-art professional testing equipment and a group of professional qualified inspection engineers.

It adopts the 3-tier international standard QA process with the 4th tier outsourced testing to third party as part of our strategic partnership. These enable us to deliver only authentic quality electronic components to our clients.

Briocean's QA Centre is internationally recognised, awarded with ISO14001, ISO 9001:2015, AS9120B and AS6081 meets IDEA, and ISO 17025 standards.



## 1.2 Briocean Quality Assurance Centre

BRIOCEAN

As an industry leader in QA, 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 November 2024.

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 QC database.

Counterfeit Interception Rate:



\*List is arranged in alphabetical order.

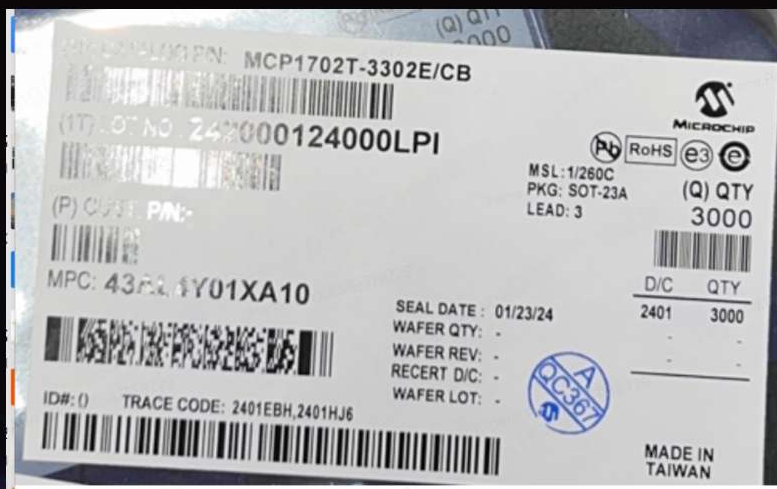
| Part Number          | Brand | Country of Manufacture | Date Code |
|----------------------|-------|------------------------|-----------|
| LTC2949HLXE#3ZZTRPBF | ADI   | Malaysia               | 2422      |



## 2.2 MCP

BRIOCEAN

| Part Number       | Brand | Country of Manufacture | Date Code |
|-------------------|-------|------------------------|-----------|
| MCP1702T-3302E/CB | MCP   | Taiwan                 | 2401      |



**FAILED**

## 2.3 MCP

BRIOCEAN

| Part Number       | Brand | Country of Manufacture | Date Code |
|-------------------|-------|------------------------|-----------|
| MCP1703T-3302E/CB | MCP   | TH                     | 2412      |



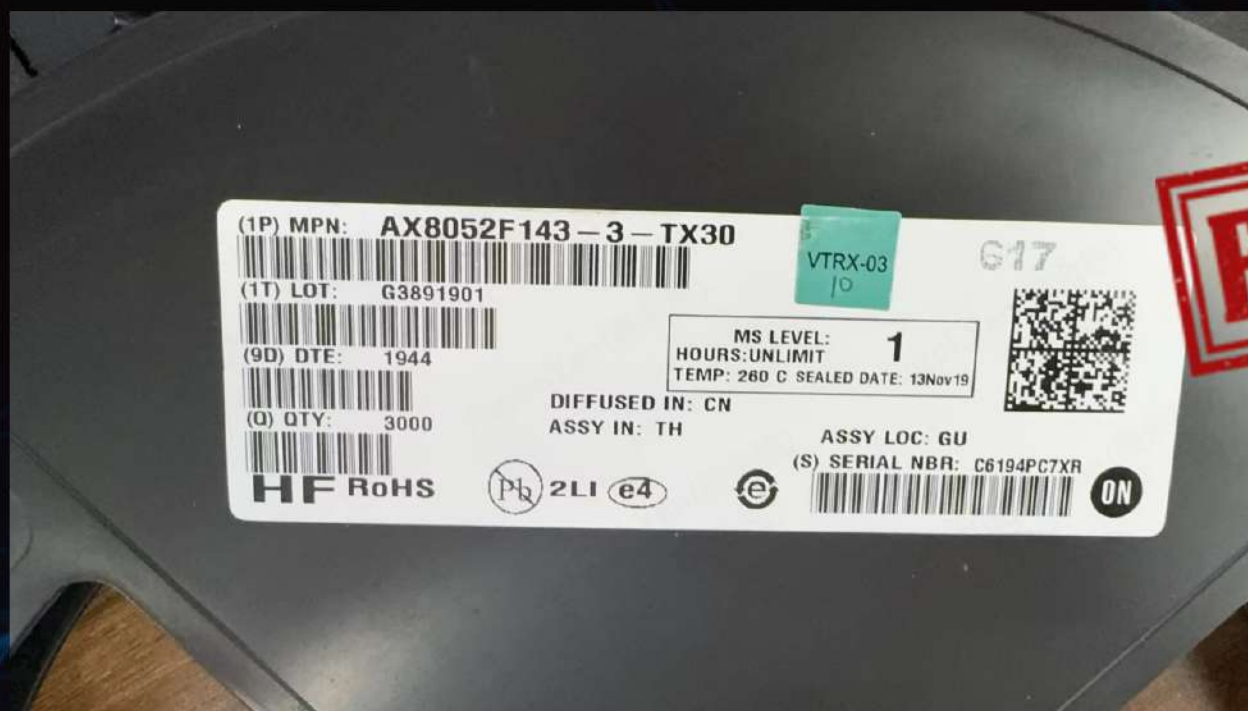
## 2.4 NXP

BRIOCEAN

| Part Number    | Brand | Country of Manufacture | Date Code |
|----------------|-------|------------------------|-----------|
| PN5120A0HN1/C1 | NXP   | Taiwan                 | 2337      |



| Part Number       | Brand  | Country of Manufacture | Date Code |
|-------------------|--------|------------------------|-----------|
| AX8052F143-3-TX30 | ONSEMI | Thailand               | 1944      |



## 2.6 ONSEMI

BRIOCEAN

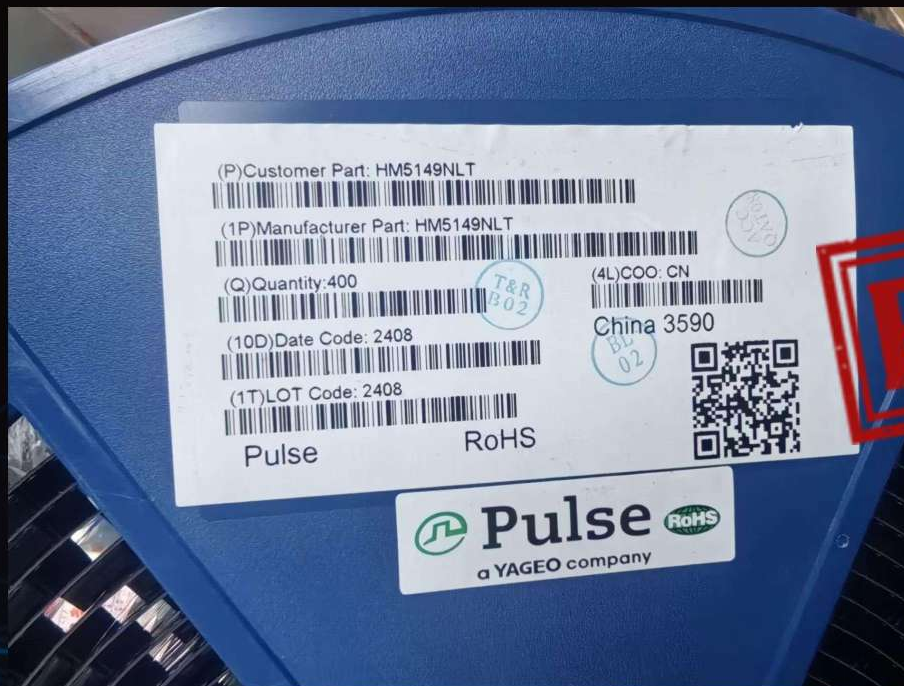
| Part Number | Brand | Country of Manufacture | Date Code |
|-------------|-------|------------------------|-----------|
| MOC3041M    | ON    | Thailand               | 2339      |



## 2.7 PULSE

BRIOCEAN

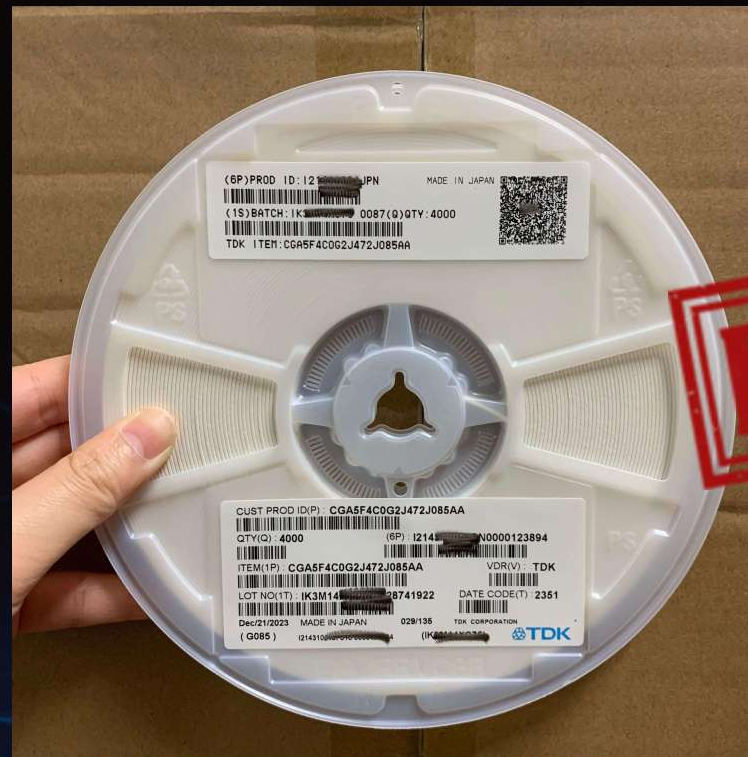
| Part Number | Brand | Country of Manufacture | Date Code |
|-------------|-------|------------------------|-----------|
| HM5149NLT   | PULSE | China                  | 2408      |



## 2.8 TDK

BRIOCEAN

| Part Number          | Brand | Country of Manufacture | Date Code |
|----------------------|-------|------------------------|-----------|
| CGA5F4C0G2J472J085AA | TDK   | Japan                  | 2351      |



## 2.9 TDK

BRIOCEAN

| Part Number          | Brand | Country of Manufacture | Date Code |
|----------------------|-------|------------------------|-----------|
| CGA5F4C0G2J472J085AA | TDK   | Japan                  | 2338      |



**FAILED**

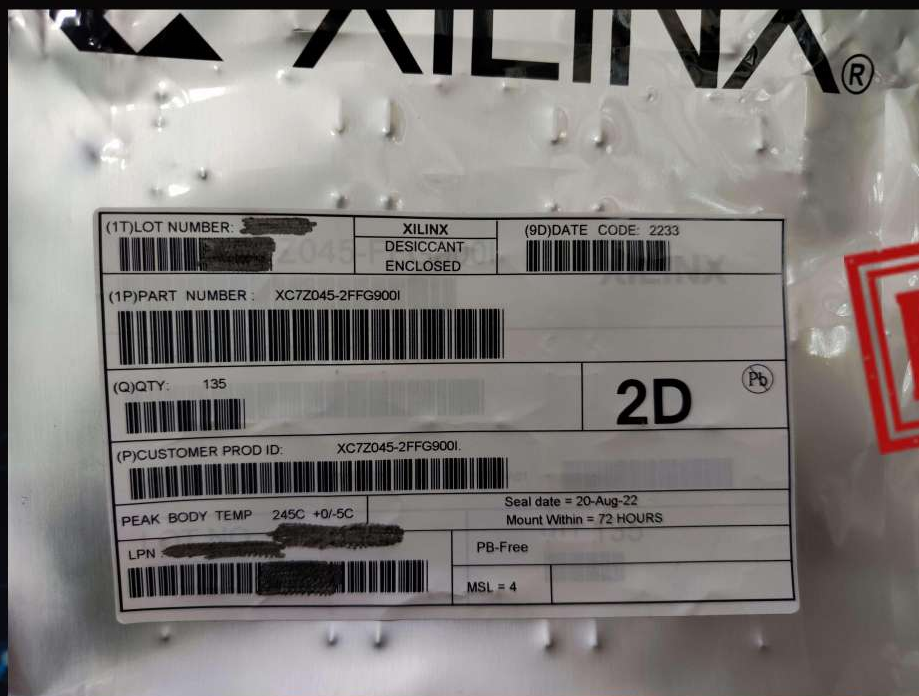
## 2.10 TOREX

BRIOCEAN

| Part Number    | Brand | Country of Manufacture | Date Code |
|----------------|-------|------------------------|-----------|
| XC6206P331MR-G | TOREX | /                      | 24+       |



| Part Number      | Brand  | Country of Manufacture | Date Code |
|------------------|--------|------------------------|-----------|
| XC7Z045-2FFG900I | XILINX | Taiwan                 | 2233      |



| Part Number      | Brand  | Country of Manufacture | Date Code |
|------------------|--------|------------------------|-----------|
| XC7Z045-2FFG900I | XILINX | Taiwan                 | 2317      |



03

## Tier-2 Inspection Interception List

## 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:



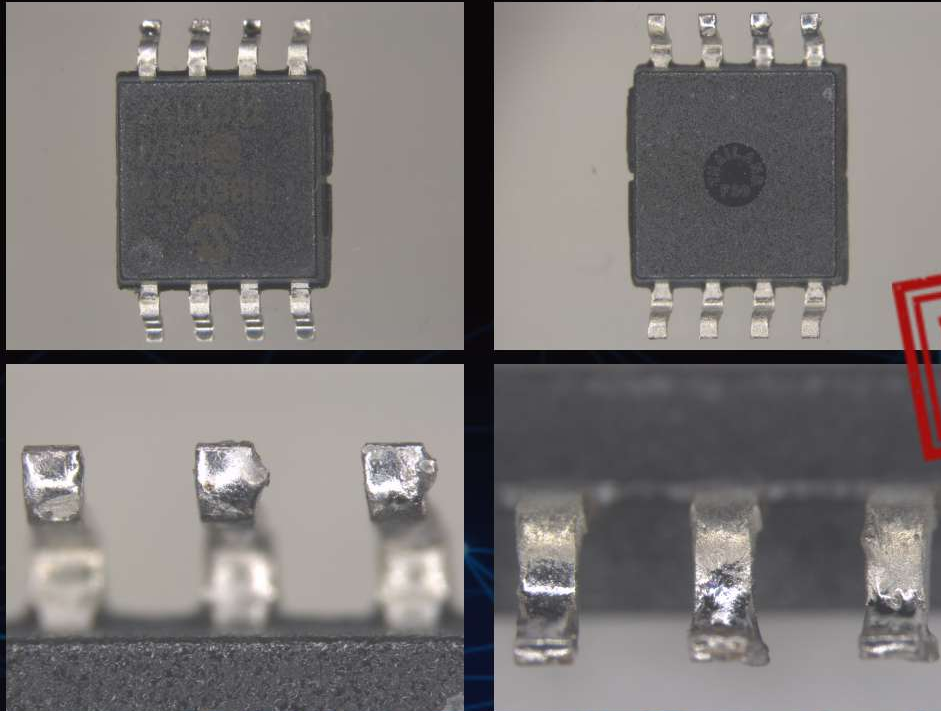
\*List is arranged in alphabetical order.

## 3.1

# MICROCHIP

BRIOCEAN

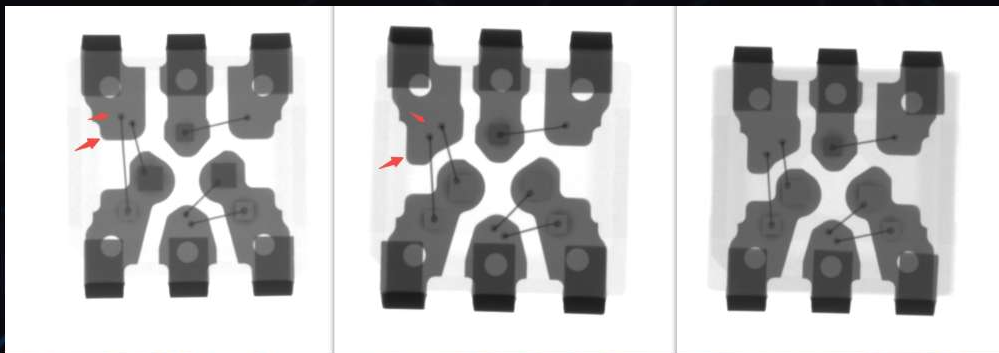
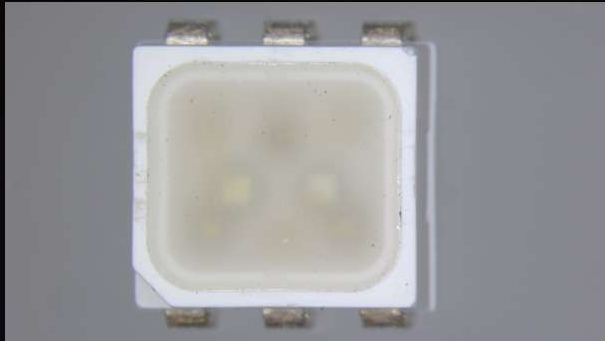
| Part Number  | Brand     | Country of Manufacture | Date Code |
|--------------|-----------|------------------------|-----------|
| 24LC512-I/SM | MICROCHIP | Thailand               | 22+       |



## 3.2 OSRAM

BRIOCEAN

| Part Number | Brand | Country of Manufacture | Date Code |
|-------------|-------|------------------------|-----------|
| LRTBGVSG    | OSRAM | Malaysia               | 22+       |



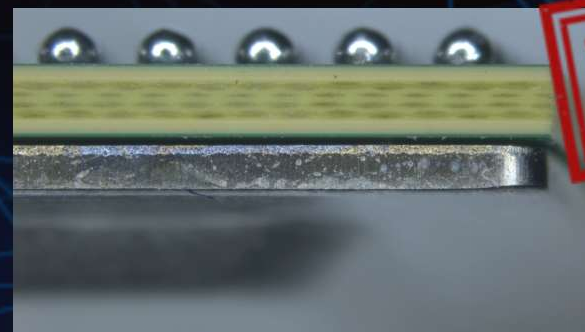
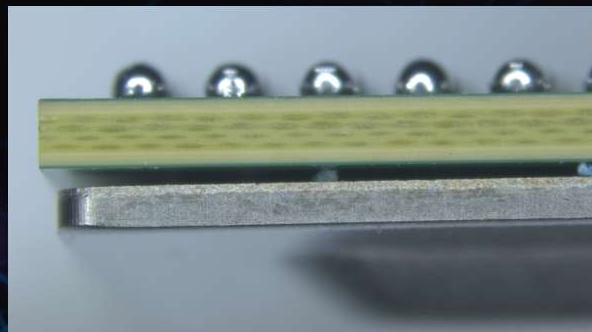
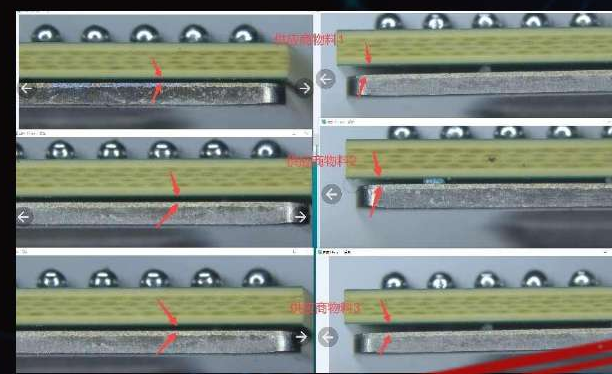
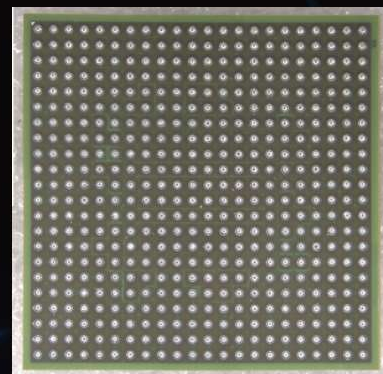
**FAILED**



## 3.3 RENESAS

BRIOCEAN

| Part Number       | Brand   | Country of Manufacture | Date Code |
|-------------------|---------|------------------------|-----------|
| 89H32NT24BG2ZCHLI | RENESAS | Taiwan                 | 19+       |



## 3.4 XILINX

BRIOCEAN

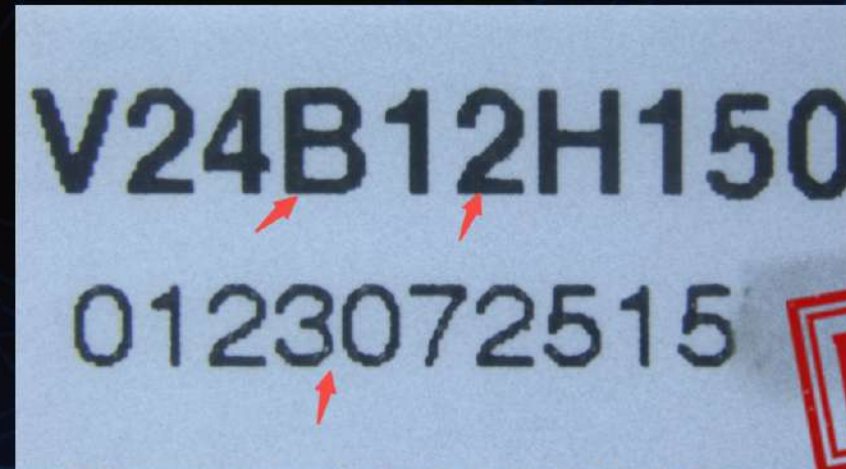
| Part Number      | Brand  | Country of Manufacture | Date Code |
|------------------|--------|------------------------|-----------|
| XC7Z045-2FFG900I | XILINX | Taiwan                 | 23+       |



## 3.5 VICOR

BRIOCEAN

| Part Number  | Brand | Country of Manufacture | Date Code |
|--------------|-------|------------------------|-----------|
| V24B12H150BG | VICOR | US                     | 23+       |



**FAILED**

Brioccean Technology

THANK YOU

Your preferred supplier in global sourcing