

# QUALITY ASSURANCE CENTRE

High-Risk or  
Counterfeit  
Part Report

January 2023 Edition

A large graphic on the left side of the slide. It features a white square outline. Overlaid on this square is a large diamond shape with a green-to-yellow gradient. The word "AGENDA" is written in black, bold, sans-serif capital letters in the center of the diamond. A faint, diagonal watermark with the word "Confidential" is visible across the diamond.

# AGENDA

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Interception List**

01

# About Brioccean Quality Assurance Centre

# 01 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 equipment and more than 50 qualified inspection engineers.

It adopts the 3-tier international standard quality control(QC) process and following a STAR Quality Assurance Framework. These enable us to ensure that we only deliver authentic quality components to our clients.



# 01 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 January, 2023.

02

## Tier-1 Inspection Interception List

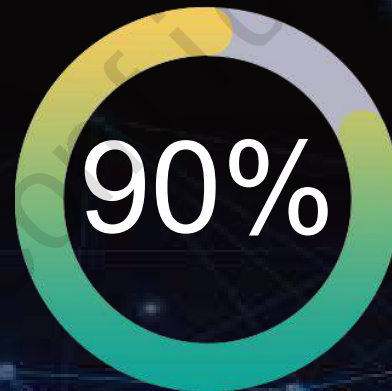
## 2.1 Tier-1 Inspection Interception List

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.

## 2.2 ANALOG DEVICES

BRIOCEAN

| Part Number      | Brand          | Country of Manufacture | Date Code |
|------------------|----------------|------------------------|-----------|
| AD5247BKSZ10-RL7 | ANALOG DEVICES | MALAYSIA               | 1937      |



## 2.2 ANALOG DEVICES

BRIOCEAN

| Part Number      | Brand          | Country of Manufacture | Date Code |
|------------------|----------------|------------------------|-----------|
| LTC2943IDD#TRPBF | ANALOG DEVICES | THAILAND               | 2121      |



## 2.3 BOSCH

BRIOCEAN

| Part Number | Brand | Country of Manufacture | Date Code |
|-------------|-------|------------------------|-----------|
| BMP280      | BOSCH | PHILIPPINES            | 21/30     |



## 2.4

## BOURNS

BRIOCÉAN

| Part Number  | Brand  | Country of Manufacture | Date Code |
|--------------|--------|------------------------|-----------|
| SRF3216-102Y | BOURNS | TAIWAN, CHINA          | 2226      |



## 2.5 DIODES INCORPORATED

BRIOCEAN

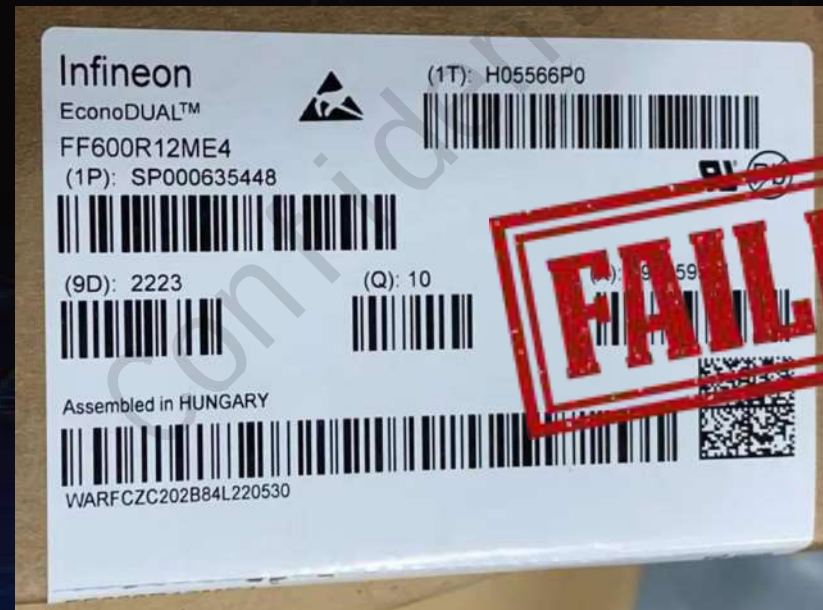
| Part Number   | Brand               | Country of Manufacture | Date Code |
|---------------|---------------------|------------------------|-----------|
| AP3983RMTR-G1 | DIODES INCORPORATED | CHINA                  | NA        |



## 2.6 INFINEON TECHNOLOGIES

BRIOCEAN

| Part Number | Brand                 | Country of Manufacture | Date Code |
|-------------|-----------------------|------------------------|-----------|
| FF600R12ME4 | INFINEON TECHNOLOGIES | HUNGARY                | 2223      |



## 2.6 INFINEON TECHNOLOGIES

BRIOCEAN

| Part Number | Brand                 | Country of Manufacture | Date Code |
|-------------|-----------------------|------------------------|-----------|
| FF600R12ME4 | INFINEON TECHNOLOGIES | HUNGARY                | 2225      |



## 2.6 INFINEON TECHNOLOGIES

BRIOCEAN

| Part Number | Brand                 | Country of Manufacture | Date Code |
|-------------|-----------------------|------------------------|-----------|
| FS200R06KE3 | INFINEON TECHNOLOGIES | HUNGARY                | 2212      |



## 2.6 INFINEON TECHNOLOGIES

BRIOCEAN

| Part Number | Brand                 | Country of Manufacture | Date Code |
|-------------|-----------------------|------------------------|-----------|
| FP35R12KT4  | INFINEON TECHNOLOGIES | HUNGARY                | 2135      |



## 2.6 INFINEON TECHNOLOGIES

BRIOCEAN

| Part Number    | Brand                 | Country of Manufacture | Date Code |
|----------------|-----------------------|------------------------|-----------|
| IPD90P04P4L-04 | INFINEON TECHNOLOGIES | MALAYSIA               | 2145      |



## 2.6 INFINEON TECHNOLOGIES

BRIOCEAN

| Part Number   | Brand                 | Country of Manufacture | Date Code |
|---------------|-----------------------|------------------------|-----------|
| IRS2184STRPBF | INFINEON TECHNOLOGIES | UNKNOWN                | 2141      |



## 2.6 INFINEON TECHNOLOGIES

BRIOCEAN

| Part Number           | Brand                 | Country of Manufacture | Date Code |
|-----------------------|-----------------------|------------------------|-----------|
| SAK-TC277T-64F200S CA | INFINEON TECHNOLOGIES | MALAYSIA               | 2221      |



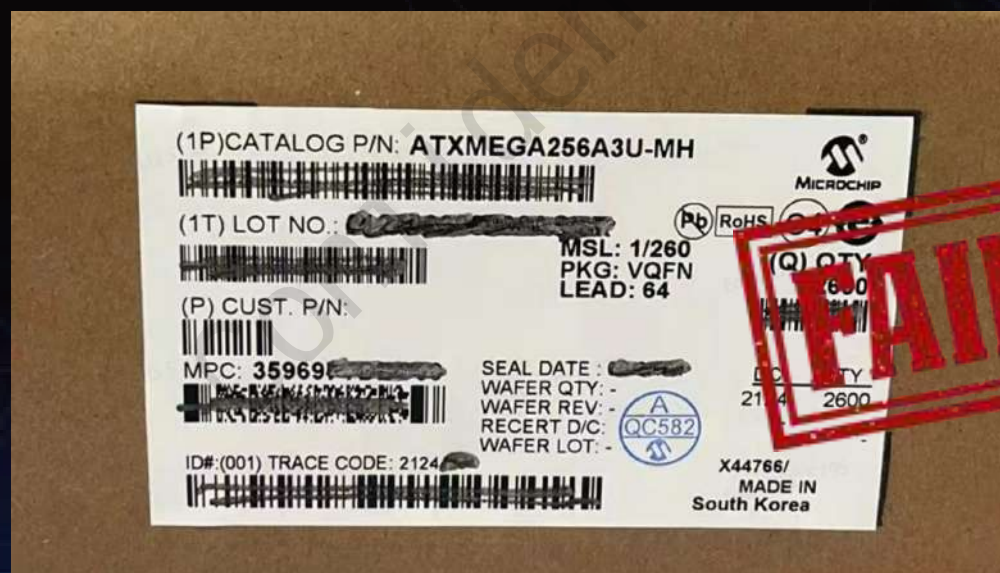
| Part Number    | Brand                | Country of Manufacture | Date Code |
|----------------|----------------------|------------------------|-----------|
| AT24C02C-XHM-T | MICROCHIP TECHNOLOGY | CHINA                  | 2147      |



## 2.7 MICROCHIP TECHNOLOGY

BRIOCEAN

| Part Number      | Brand                | Country of Manufacture | Date Code |
|------------------|----------------------|------------------------|-----------|
| ATXMEGA256A3U-MH | MICROCHIP TECHNOLOGY | TAIWAN, CHINA          | 2120      |



| Part Number      | Brand                | Country of Manufacture | Date Code |
|------------------|----------------------|------------------------|-----------|
| ATXMEGA256A3U-MH | MICROCHIP TECHNOLOGY | TAIWAN, CHINA          | 2120      |



## 2.7 MICROCHIP TECHNOLOGY

BRIOCEAN

| Part Number      | Brand                | Country of Manufacture | Date Code |
|------------------|----------------------|------------------------|-----------|
| ATXMEGA256A3U-MH | MICROCHIP TECHNOLOGY | TAIWAN, CHINA          | 2120      |



## 2.7 MICROCHIP TECHNOLOGY

BRIOCEAN

| Part Number | Brand                | Country of Manufacture | Date Code |
|-------------|----------------------|------------------------|-----------|
| DN3135K1-G  | MICROCHIP TECHNOLOGY | THAILAND               | 2208      |



## 2.8 NXP SEMICONDUCTORS

| Part Number    | Brand              | Country of Manufacture | Date Code |
|----------------|--------------------|------------------------|-----------|
| MC912D60ACPVE8 | NXP SEMICONDUCTORS | MALAYSIA               | 2217      |



## 2.9 ON SEMICONDUCTOR

BRIOCEAN

| Part Number | Brand            | Country of Manufacture | Date Code |
|-------------|------------------|------------------------|-----------|
| MBRS140T3G  | ON SEMICONDUCTOR | CHINA                  | 1830      |



## 2.9 ON SEMICONDUCTOR

BRIOCEAN

| Part Number   | Brand            | Country of Manufacture | Date Code |
|---------------|------------------|------------------------|-----------|
| NCV7321D12R2G | ON SEMICONDUCTOR | PHILIPPINES            | 2122      |



## 2.9 ON SEMICONDUCTOR

BRIOCEAN

| Part Number   | Brand            | Country of Manufacture | Date Code |
|---------------|------------------|------------------------|-----------|
| NCV8450ASTT3G | ON SEMICONDUCTOR | MALAYSIA               | 2211      |



## 2.9 ON SEMICONDUCTOR

BRIOCEAN

| Part Number       | Brand            | Country of Manufacture | Date Code |
|-------------------|------------------|------------------------|-----------|
| NVMFS5C456NLAFT1G | ON SEMICONDUCTOR | MALAYSIA               | 2133      |



## 2.10 STMICROELECTRONICS

BRIOCEAN

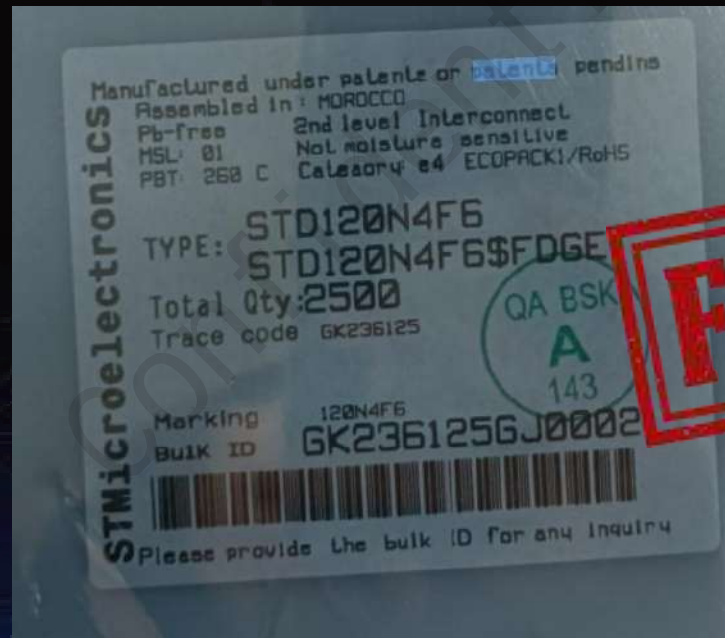
| Part Number   | Brand              | Country of Manufacture | Date Code |
|---------------|--------------------|------------------------|-----------|
| BTA26-600BWRG | STMICROELECTRONICS | PHILIPPINES            | 1835      |



## 2.10 STMICROELECTRONICS

BRIOCEAN

| Part Number | Brand              | Country of Manufacture | Date Code |
|-------------|--------------------|------------------------|-----------|
| STD120N4F6  | STMICROELECTRONICS | MOROCCO                | UNKNOWN   |



## 2.10 STMICROELECTRONICS

BRIOCEAN

| Part Number | Brand              | Country of Manufacture | Date Code |
|-------------|--------------------|------------------------|-----------|
| STP120N4F6  | STMICROELECTRONICS | CHINA                  | UNKNOWN   |



## 2.10 STMICROELECTRONICS

**BRIOCÉAN**

| Part Number | Brand              | Country of Manufacture | Date Code |
|-------------|--------------------|------------------------|-----------|
| TSV912IQ2T  | STMICROELECTRONICS | CHINA                  | UNKNOWN   |



## 2.11 TEXAS INSTRUMENTS

BRIOCEAN

| Part Number | Brand             | Country of Manufacture | Date Code   |
|-------------|-------------------|------------------------|-------------|
| MAX3232ECDR | TEXAS INSTRUMENTS | BLACKED-OUT            | BLACKED-OUT |



## 2.11 TEXAS INSTRUMENTS

BRIOCEAN

| Part Number  | Brand             | Country of Manufacture | Date Code |
|--------------|-------------------|------------------------|-----------|
| O3853QDCARQ1 | TEXAS INSTRUMENTS | MALAYSIA               | 1723      |



## 2.11 TEXAS INSTRUMENTS

BRIOCEAN

| Part Number  | Brand             | Country of Manufacture | Date Code |
|--------------|-------------------|------------------------|-----------|
| OPA365AIDBVR | TEXAS INSTRUMENTS | MALAYSIA               | 2150+5*   |

\* "+5" in the Date Code refers to 5-year warranty, usually found in TI part numbers.



## 2.11 TEXAS INSTRUMENTS

BRIOCEAN

| Part Number  | Brand             | Country of Manufacture | Date Code |
|--------------|-------------------|------------------------|-----------|
| OPA365AIDBVR | TEXAS INSTRUMENTS | CHINA                  | 2145      |



## 2.11 TEXAS INSTRUMENTS

BRIOCEAN

| Part Number   | Brand             | Country of Manufacture | Date Code |
|---------------|-------------------|------------------------|-----------|
| OPA4277UA/2K5 | TEXAS INSTRUMENTS | MALAYSIA               | 2208+5    |



## 2.11 TEXAS INSTRUMENTS

BRIOCEAN

| Part Number   | Brand             | Country of Manufacture | Date Code   |
|---------------|-------------------|------------------------|-------------|
| TPS54160ADGQR | TEXAS INSTRUMENTS | MALAYSIA               | BLACKED-OUT |



## 2.11 TEXAS INSTRUMENTS

BRIOCEAN

| Part Number     | Brand             | Country of Manufacture | Date Code |
|-----------------|-------------------|------------------------|-----------|
| TPS79801QDGNRQ1 | TEXAS INSTRUMENTS | MALAYSIA               | 2042+5    |



## 2.11 TEXAS INSTRUMENTS

BRIOCEAN

| Part Number     | Brand             | Country of Manufacture | Date Code |
|-----------------|-------------------|------------------------|-----------|
| TPS79801QDGNRQ1 | TEXAS INSTRUMENTS | MALAYSIA               | 2050+5    |



## 2.12 XILINX

BRIOCEAN

| Part Number      | Brand  | Country of Manufacture | Date Code |
|------------------|--------|------------------------|-----------|
| XC7Z100-2FFG900I | XILINX | UNKNOWN                | 2113      |



## 2.13 YAGEO CORPORATION

BRIOCEAN

| Part Number    | Brand             | Country of Manufacture | Date Code |
|----------------|-------------------|------------------------|-----------|
| RC2512FK-0724R | YAGEO CORPORATION | UNKNOWN                | UNKNOWN   |



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# Tier-2 Inspection Interception List

## 3.1 Tier-2 Inspection Interception List

BRIOCÉAN

### 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.

## 3.2 NXP SEMICONDUCTORS

BRIOCEAN

| Part Number    | Brand              | Country of Manufacture | Date Code |
|----------------|--------------------|------------------------|-----------|
| TJA1021T/20/CM | NXP SEMICONDUCTORS | THAILAND               | 2027      |



Briocean Technology

THANK YOU

Your preferred supplier in global sourcing