

# QUALITY ASSURANCE CENTRE

## High-Risk or Counterfeit Parts Report

June 2023 Edition

A large, stylized diamond shape is centered on the left side of the slide. It has a green-to-yellow gradient and is superimposed over 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**

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**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.



## 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 June 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 INFINEON TECHNOLOGIES

BRIOCEAN

| Part Number | Brand                 | Country of Manufacture | Date Code |
|-------------|-----------------------|------------------------|-----------|
| BTS7740G    | INFINEON TECHNOLOGIES | MALAYSIA               | 21+       |

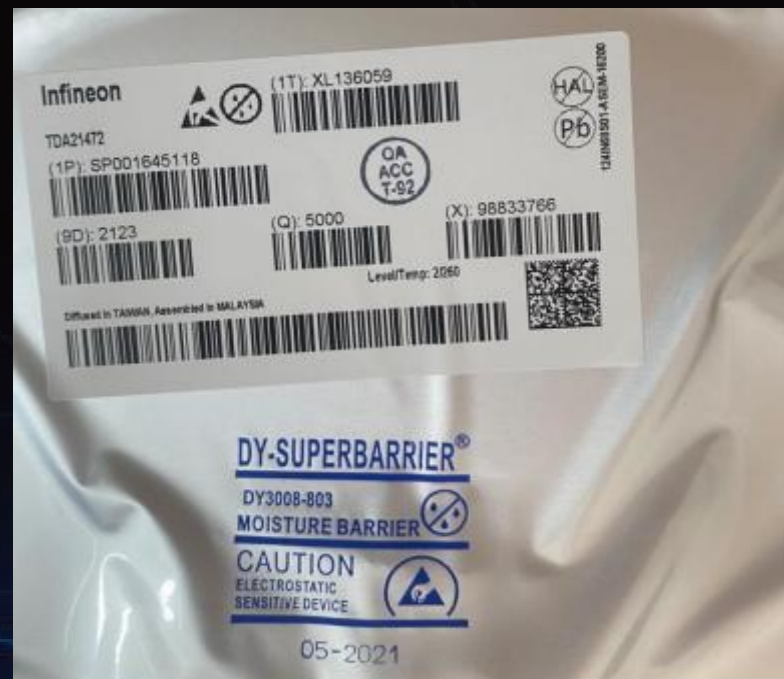


**FAILED**

## 2.2 INFINEON TECHNOLOGIES

BRIOCEAN

| Part Number | Brand                 | Country of Manufacture | Date Code |
|-------------|-----------------------|------------------------|-----------|
| TDA21472    | INFINEON TECHNOLOGIES | MALAYSIA               | 2123      |

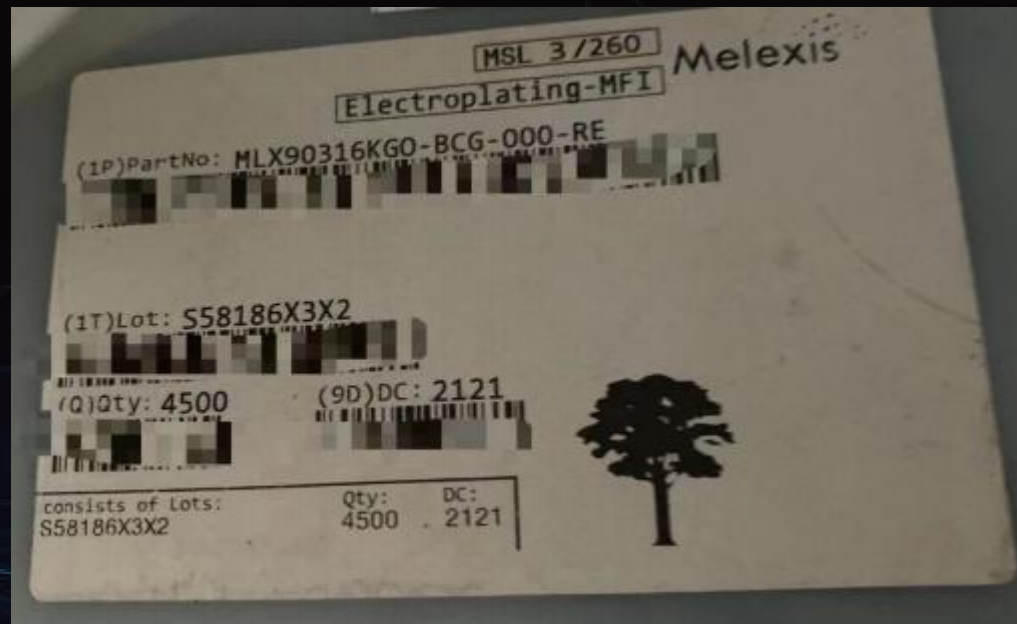


**FAILED**

## 2.3 MELEXIS

BRIOCEAN

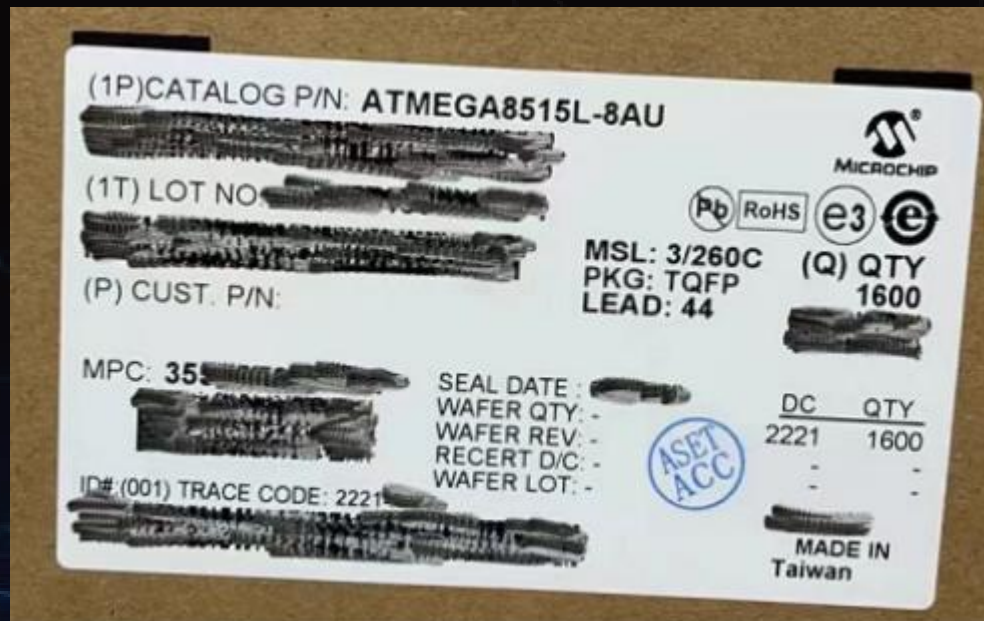
| Part Number            | Brand   | Country of Manufacture | Date Code |
|------------------------|---------|------------------------|-----------|
| MLX90316KGO-BCG-000-RE | MELEXIS | UNKNOWN                | 2121      |



**FAILED**

## 2.4 MICROCHIP

| Part Number     | Brand     | Country of Manufacture | Date Code |
|-----------------|-----------|------------------------|-----------|
| ATMEGA8515L-8AU | MICROCHIP | TAIWAN,CHINA           | 2221      |



**FAILED**

## 2.5 NEXPERIA

BRIOCEAN

| Part Number | Brand    | Country of Manufacture | Date Code |
|-------------|----------|------------------------|-----------|
| 2N7002BKV   | NEXPERIA | MALAYSIA               | 2212      |



**FAILED**

## 2.6 NXP SEMICONDUCTORS

BRIOCEAN

| Part Number   | Brand              | Country of Manufacture | Date Code |
|---------------|--------------------|------------------------|-----------|
| MC56F8345VFGE | NXP SEMICONDUCTORS | TAIWAN,CHINA           | 2129      |



## 2.6 NXP SEMICONDUCTORS

BRIOCEAN

| Part Number   | Brand              | Country of Manufacture | Date Code |
|---------------|--------------------|------------------------|-----------|
| P4080NXE7PNAC | NXP SEMICONDUCTORS | UNKNOWN                | 2036      |



**FAILED**

## 2.6 NXP SEMICONDUCTORS

BRIOCEAN

| Part Number   | Brand              | Country of Manufacture | Date Code |
|---------------|--------------------|------------------------|-----------|
| MC56F8345VFGE | NXP SEMICONDUCTORS | TAIWAN,CHINA           | 2138      |



**FAILED**

## 2.6 NXP SEMICONDUCTORS

BRIOCEAN

| Part Number   | Brand              | Country of Manufacture | Date Code |
|---------------|--------------------|------------------------|-----------|
| MC56F8367VPYE | NXP SEMICONDUCTORS | MALAYSIA               | 2230      |



**FAILED**

## 2.7 ON SEMICONDUCTOR

BRIOCEAN

| Part Number | Brand            | Country of Manufacture | Date Code |
|-------------|------------------|------------------------|-----------|
| MBRA160T3G  | ON SEMICONDUCTOR | VIETNAM                | 2311      |



## 2.7 ON SEMICONDUCTOR

BRIOCEAN

| Part Number   | Brand            | Country of Manufacture | Date Code |
|---------------|------------------|------------------------|-----------|
| NUP4201MR6T1G | ON SEMICONDUCTOR | CHINA                  | 2202      |



## 2.7 ON SEMICONDUCTOR

BRIOCEAN

| Part Number  | Brand            | Country of Manufacture | Date Code |
|--------------|------------------|------------------------|-----------|
| SBRD81045T4G | ON SEMICONDUCTOR | MALAYSIA               | 2129      |



**FAILED**

## 2.8 RENESAS ELECTRONICS

BRIOCEAN

| Part Number   | Brand               | Country of Manufacture | Date Code |
|---------------|---------------------|------------------------|-----------|
| ISL8204MIRZ-T | RENESAS ELECTRONICS | TAIWAN,CHINA           | 18+       |



## 2.9 RUBYCON CORPORATION

BRIOCEAN

| Part Number       | Brand               | Country of Manufacture | Date Code |
|-------------------|---------------------|------------------------|-----------|
| 50ZLJ1000M12.5X35 | RUBYCOM CORPORATION | UNKNOWN                | UNKNOWN   |



## 2.9 RUBYCON CORPORATION

BRIOCEAN

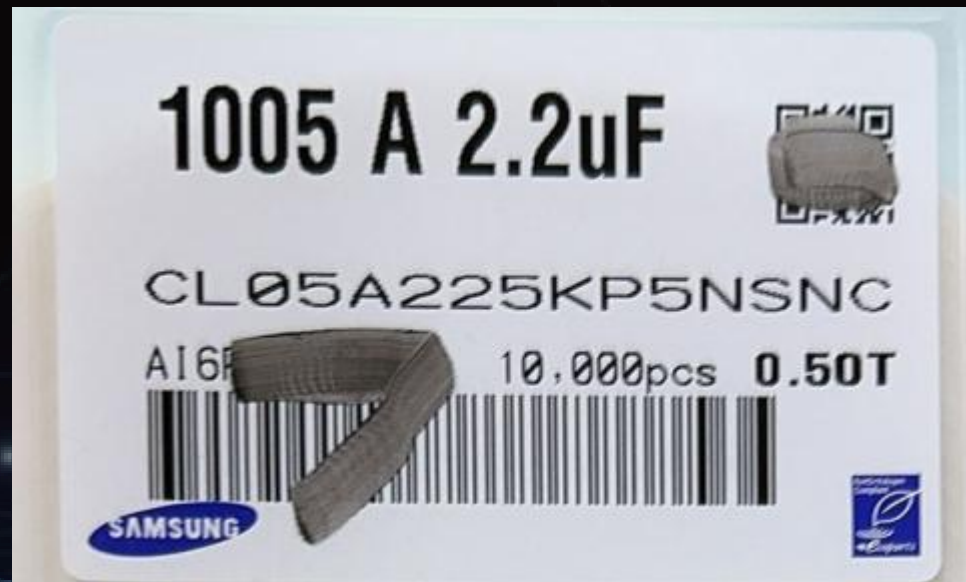
| Part Number       | Brand               | Country of Manufacture | Date Code |
|-------------------|---------------------|------------------------|-----------|
| 50ZLJ1000M12.5X35 | RUBYCOM CORPORATION | UNKNOWN                | UNKNOWN   |



## 2.10 SAMSUNG

BRIOCEAN

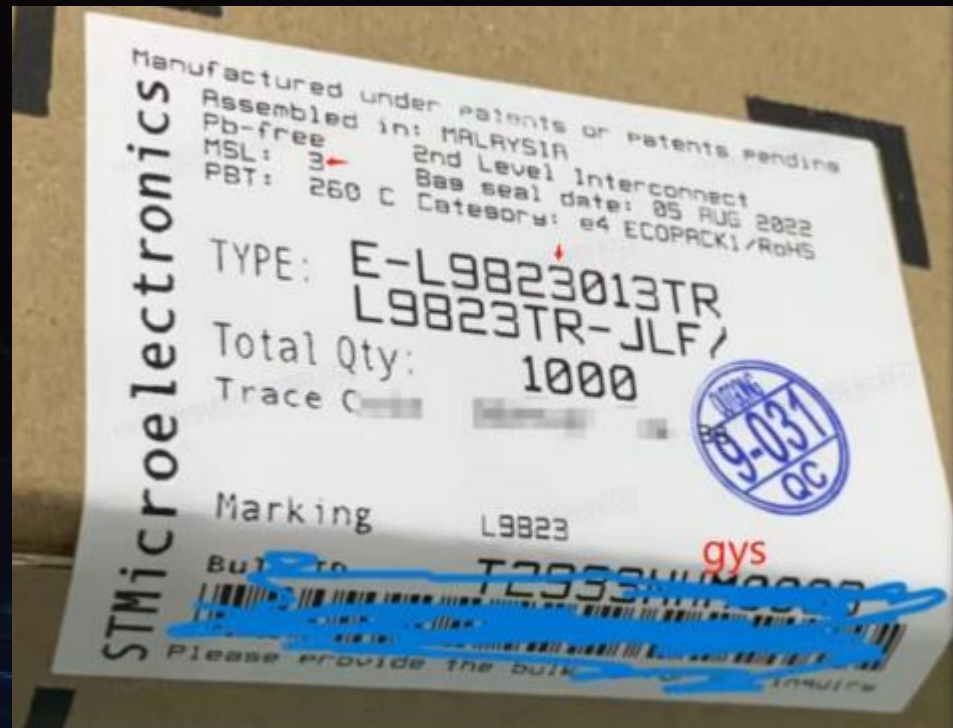
| Part Number     | Brand   | Country of Manufacture | Date Code   |
|-----------------|---------|------------------------|-------------|
| CL05A225KP5NSNC | SAMSUNG | UNKNOWN                | BLACKED-OUT |



## 2.11 STMICROELECTRONICS

BRIOCEAN

| Part Number  | Brand              | Country of Manufacture | Date Code |
|--------------|--------------------|------------------------|-----------|
| E-L9823013TR | STMICROELECTRONICS | MALAYSIA               | 2022      |

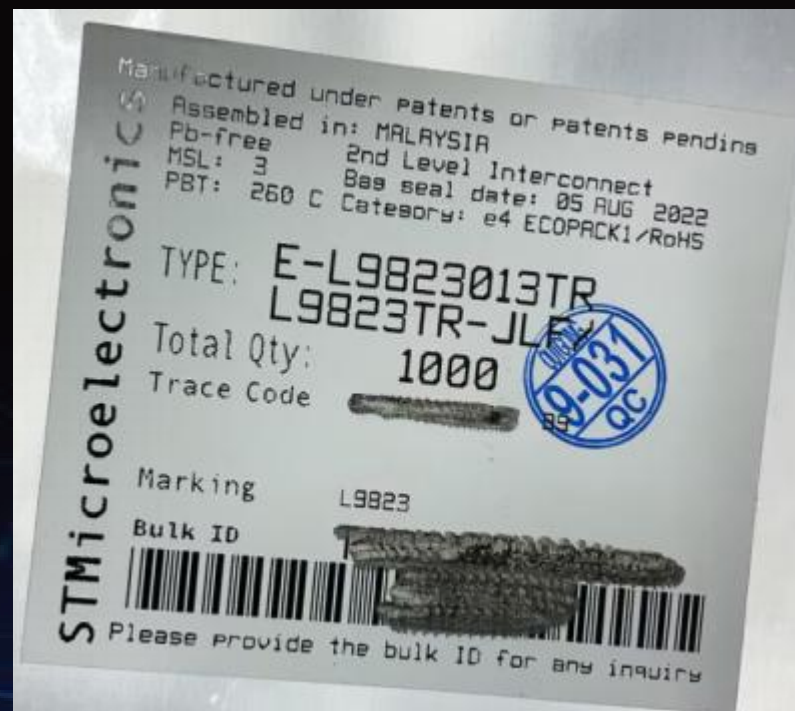


**FAILED**

## 2.11 STMICROELECTRONICS

BRIOCEAN

| Part Number  | Brand              | Country of Manufacture | Date Code |
|--------------|--------------------|------------------------|-----------|
| E-L9823013TR | STMICROELECTRONICS | MALAYSIA               | 2022      |

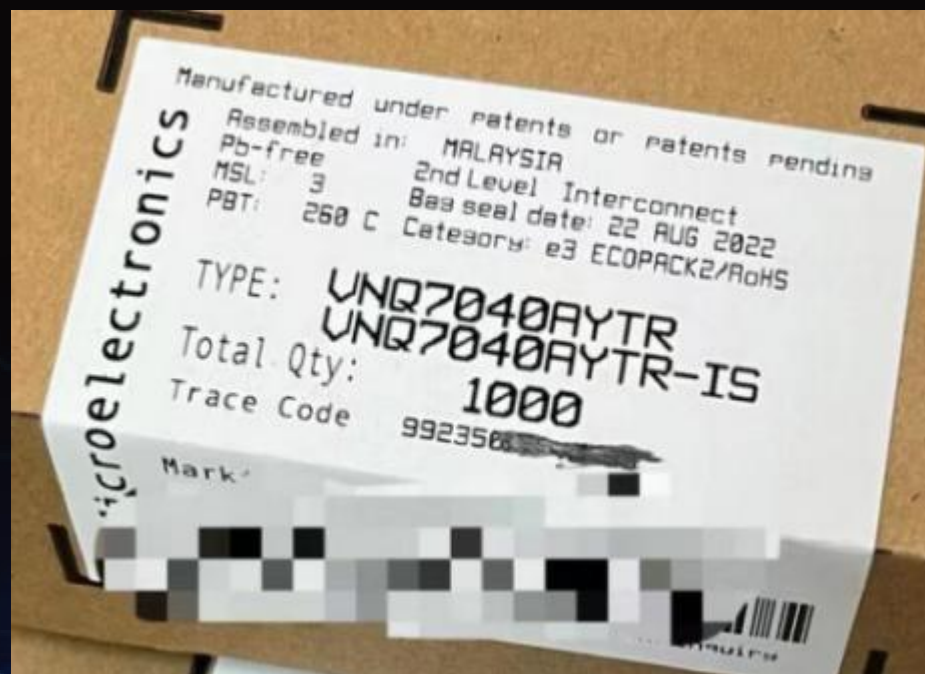


**FAILED**

## 2.11 STMICROELECTRONICS

BRIOCEAN

| Part Number | Brand              | Country of Manufacture | Date Code |
|-------------|--------------------|------------------------|-----------|
| VNQ7040AYTR | STMICROELECTRONICS | MALAYSIA               | 2235      |



**FAILED**

## 2.11 STMICROELECTRONICS

BRIOCEAN

| Part Number  | Brand              | Country of Manufacture | Date Code   |
|--------------|--------------------|------------------------|-------------|
| E-L9823013TR | STMICROELECTRONICS | MALAYSIA               | BLACKED-OUT |



## 2.11 STMICROELECTRONICS

BRIOCEAN

| Part Number   | Brand              | Country of Manufacture | Date Code |
|---------------|--------------------|------------------------|-----------|
| STM6720SVWB6F | STMICROELECTRONICS | MALAYSIA               | UNKNOWN   |

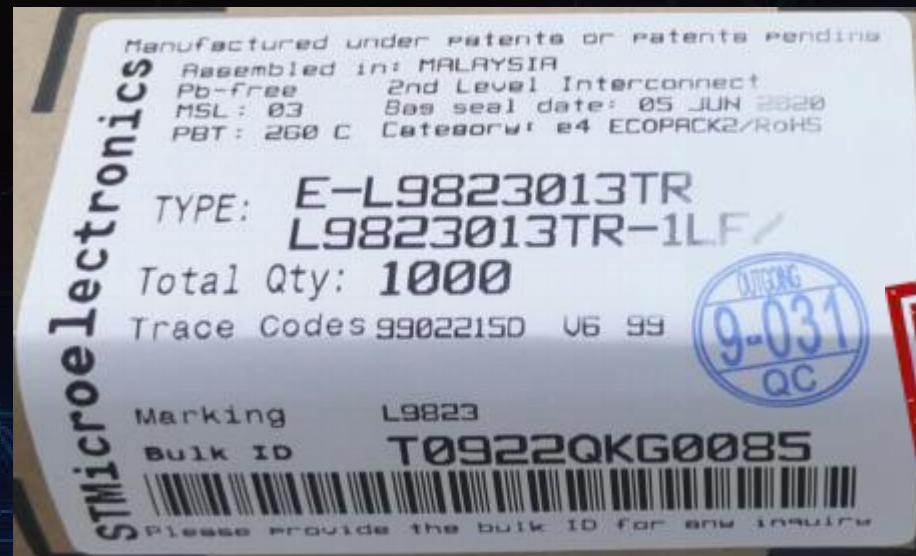


FAILED

## 2.11 STMICROELECTRONICS

BRIOCEAN

| Part Number  | Brand              | Country of Manufacture | Date Code |
|--------------|--------------------|------------------------|-----------|
| E-L9823013TR | STMICROELECTRONICS | MALAYSIA               | 20+       |



## 2.12 TDK CORPORATION

BRIOCEAN

| Part Number         | Brand           | Country of Manufacture | Date Code |
|---------------------|-----------------|------------------------|-----------|
| C3216X5R1V226MTJ00E | TDK CORPORATION | JAPAN                  | 2142      |



## 2.12 TEXAS INSTRUMENTS

BRIOCEAN

| Part Number         | Brand             | Country of Manufacture | Date Code |
|---------------------|-------------------|------------------------|-----------|
| LM3480IM3X-5.0/NOPB | TEXAS INSTRUMENTS | MALAYSIA               | 2150      |

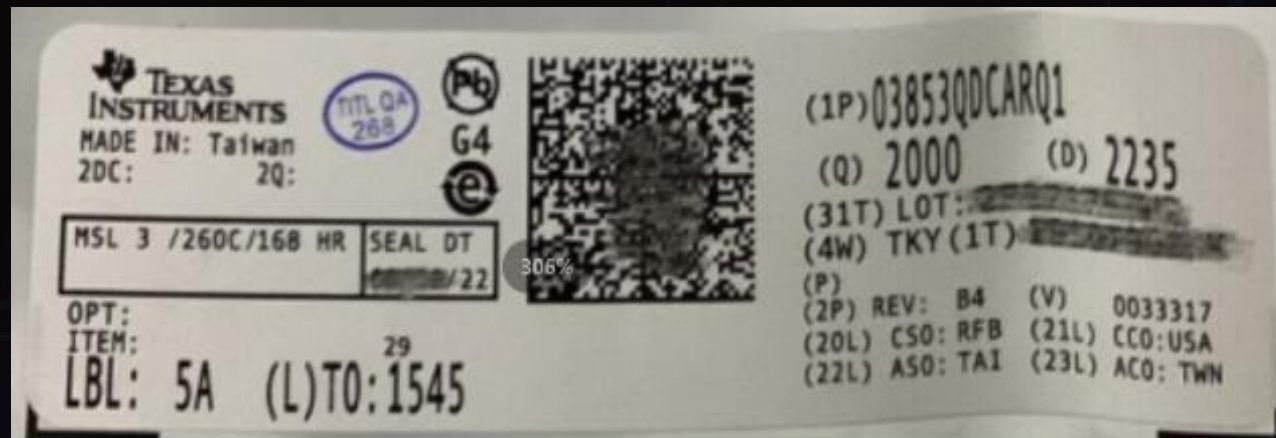


**FAILED**

## 2.12 TEXAS INSTRUMENTS

BRIOCEAN

| Part Number  | Brand             | Country of Manufacture | Date Code |
|--------------|-------------------|------------------------|-----------|
| O3853QDCARQ1 | TEXAS INSTRUMENTS | TAIWAN,CHINA           | 2235      |



**FAILED**

## 2.12 TEXAS INSTRUMENTS

BRIOCEAN

| Part Number  | Brand             | Country of Manufacture | Date Code |
|--------------|-------------------|------------------------|-----------|
| O3853QDCARQ1 | TEXAS INSTRUMENTS | MALAYSIA               | 20+       |



**FAILED**

## 2.12 TEXAS INSTRUMENTS

BRIOCEAN

| Part Number | Brand             | Country of Manufacture | Date Code |
|-------------|-------------------|------------------------|-----------|
| TPS5420DR   | TEXAS INSTRUMENTS | PHILIPPINES            | 22+       |



# 03

## Tier-2 Inspection Interception List

## 3.1 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:

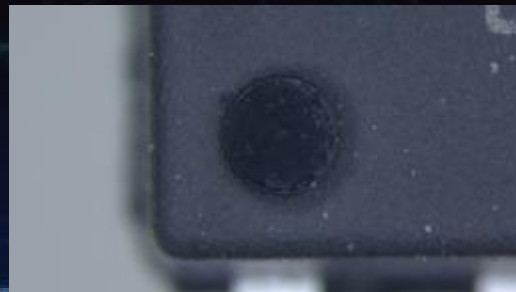
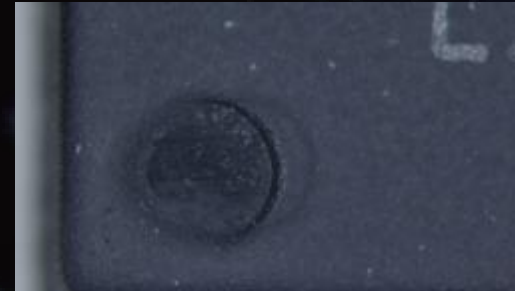
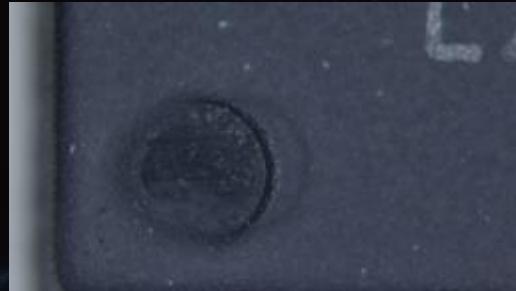


\*List is arranged in alphabetical order.

## 3.2 MACRONIX

BRIOCEAN

| Part Number        | Brand    | Country of Manufacture | Date Code |
|--------------------|----------|------------------------|-----------|
| MX25L12873FM2I-10G | MACRONIX | UNKNOWN                | 22+       |



**FAILED**

## 3.3 TEXAS INSTRUMENTS

BRIOCEAN

| Part Number | Brand             | Country of Manufacture | Date Code |
|-------------|-------------------|------------------------|-----------|
| INA128U     | TEXAS INSTRUMENTS | UNKNOWN                | 21+       |



**FAILED**

Brioccean Technology

THANK YOU

Your preferred supplier in global sourcing