

QUALITY ASSURANCE CENTRE

High-Risk or Counterfeit Parts Report

August 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.



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 August 2023.

02

Tier-1 Inspection Interception List

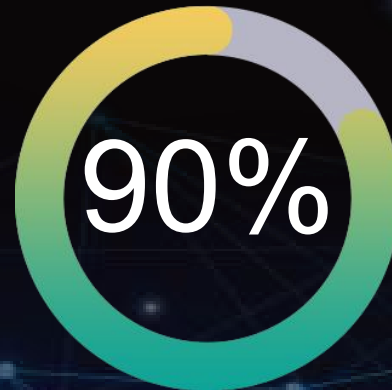
2.0 Tier-1 Inspection Interception List

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 LITELFUSE

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
LVM2P-015R10431	LITELFUSE	CHINA	20/10/24



2.2 MICROCHIP TECHNOLOGY

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
AT24C02C-SSHM-T	MICROCHIP TECHNOLOGY	CHINA	2314



FAILED

2.3 NXP SEMICONDUCTORS

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
MCF5282CVM66	NXP SEMICONDUCTORS	MALAYSIA	2228

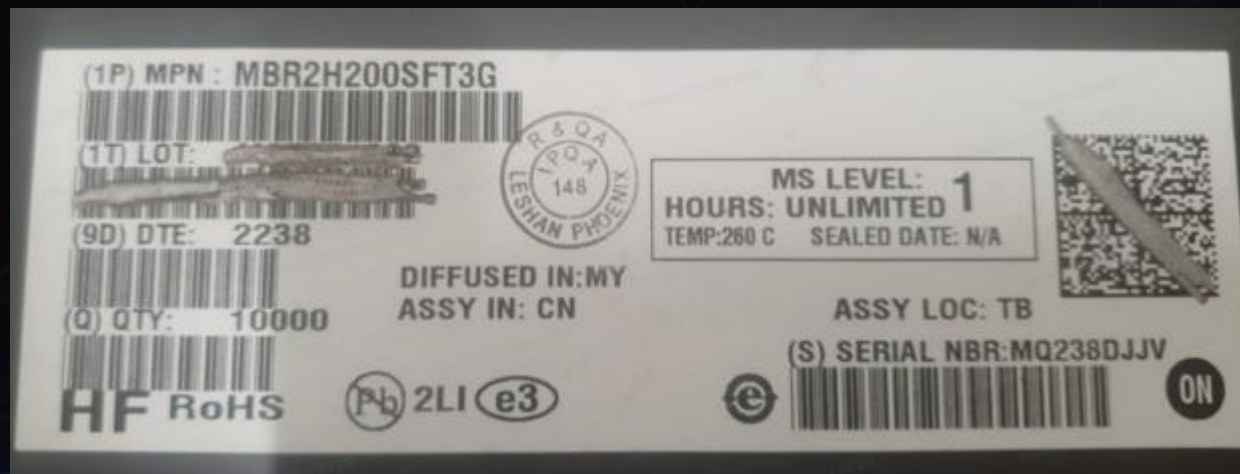


FAILED

2.4 ON SEMICONDUCTOR

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
MBR2H200SFT3G	ON SEMICONDUCTOR	CHINA	2238

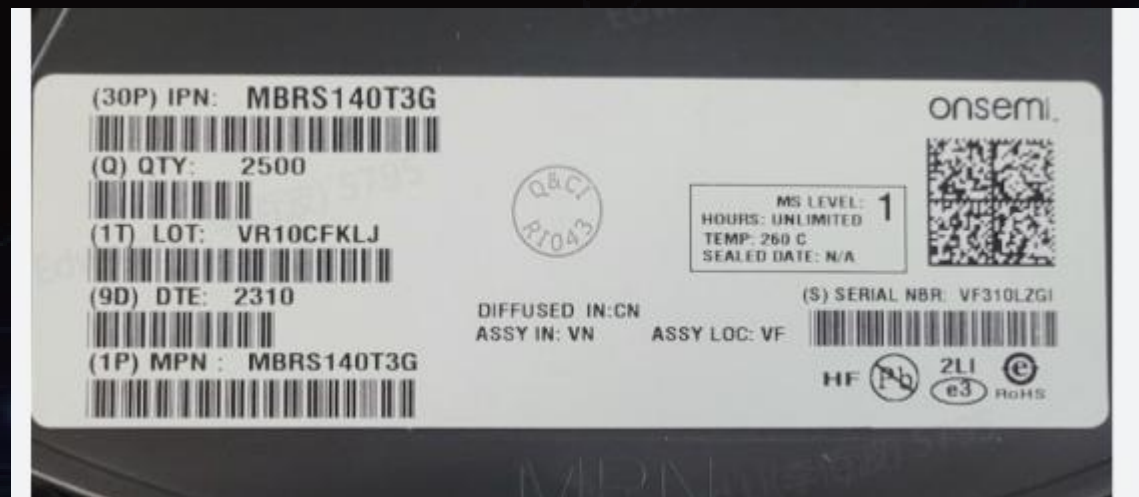


FAILED

2.4 ON SEMICONDUCTOR

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
MBRS140T3G	ON SEMICONDUCTOR	VIETNAM	2310



FAILED

2.4 ON SEMICONDUCTOR

BRIOCEAN

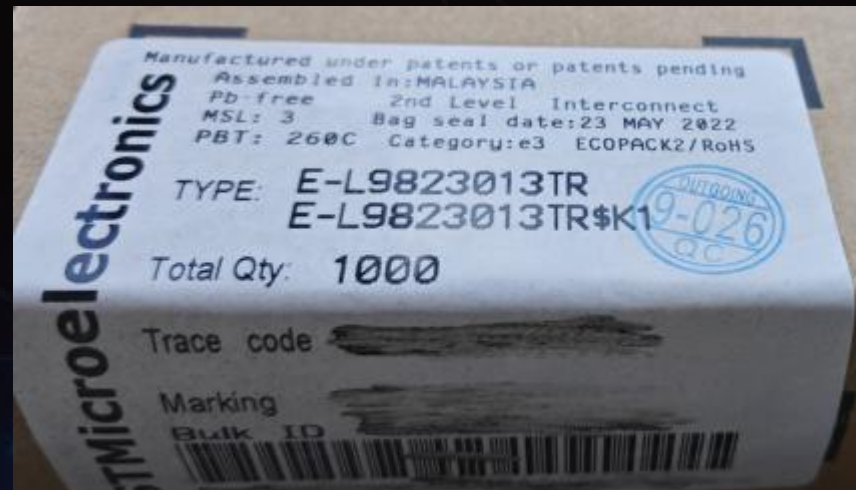
Part Number	Brand	Country of Manufacture	Date Code
NCP1117ST33T3G	ON SEMICONDUCTOR	CHINA	2310



2.5 STMICROELECTRONICS

BRIOCEAN

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

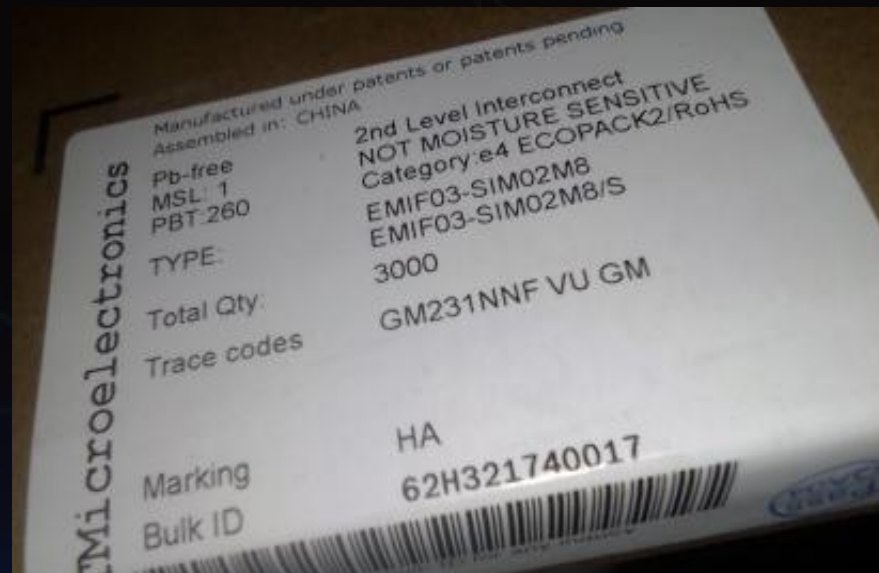


FAILED

2.5 STMICROELECTRONICS

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
EMIF03-SIM02M8	STMICROELECTRONICS	CHINA	2231

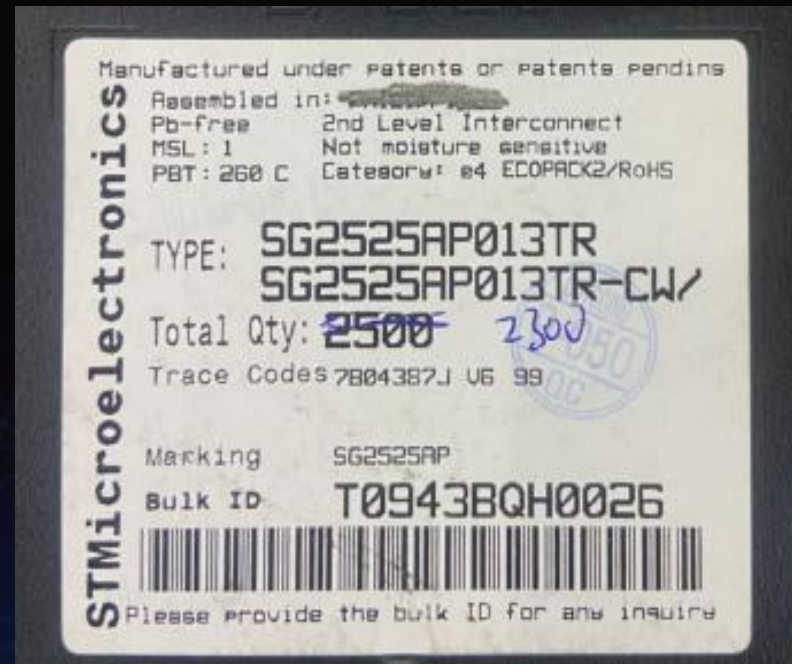


FAILED

2.5 STMICROELECTRONICS

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
SG2525AP013TR	STMICROELECTRONICS	/	2043



2.5 STMICROELECTRONICS

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
SM15T36CA	STMICROELECTRONICS	CHINA	2037



FAILED

2.6 TDK CORPORATION

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
C2012X7R2A223K125AA	TDK CORPORATION	JAPAN	2321



FAILED

2.7 TEXAS INSTRUMENTS

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
LM2936Z-5.0/NOPB	TEXAS INSTRUMENTS	MALAYSIA	2304



FAILED

2.7 TEXAS INSTRUMENTS

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
OPA547FKTWT	TEXAS INSTRUMENTS	MALAYSIA	2150



FAILED

2.7 TEXAS INSTRUMENTS

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
TLV2451IDBVR	TEXAS INSTRUMENTS	CHINA	2236



2.8

VISHAY INTERTECHNOLOGY

BRIOCÉAN

Part Number	Brand	Country of Manufacture	Date Code
SMBJ36CA-E3/52	VISHAY INTERTECHNOLOGY	TAIWAN,CHINA	2202

**FAILED**

2.9 XILINX

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
XCZU19EG-2FFVC1760I	XILINX	TAIWAN,CHINA	2241



FAILED

2.9 XILINX

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
XCZU47DR-2FFVE1156I	XILINX	UNKNOWN	2305



03

Tier-2 Inspection Interception List

3.0 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.

3.1 IXYS CORPORATION

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
IXFN110N60P3	IXYS CORPORATION	PHILIPPINES	TS2116

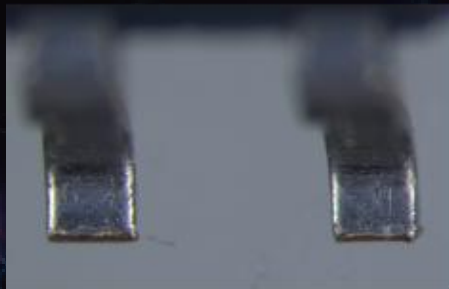
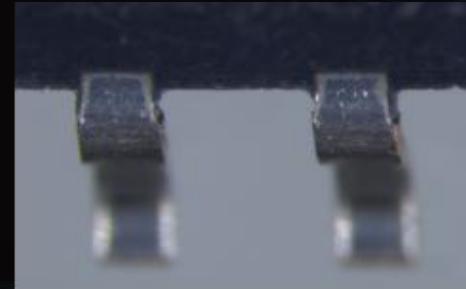
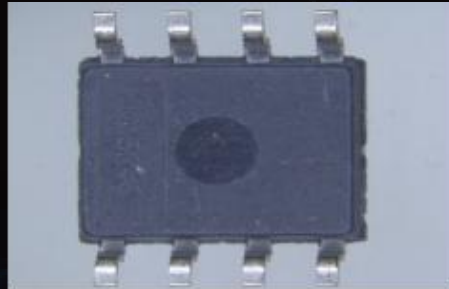


FAILED

3.2 TEXAS INSTRUMENTS

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
INA128U	TEXAS INSTRUMENTS	/	/

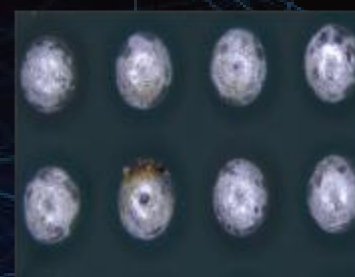
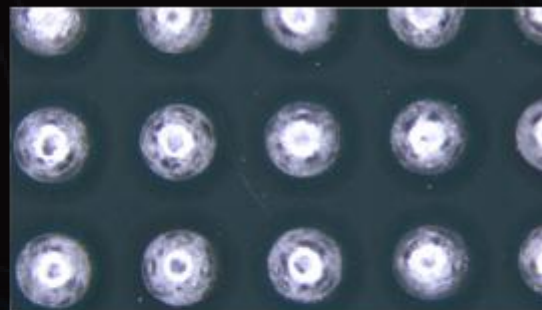
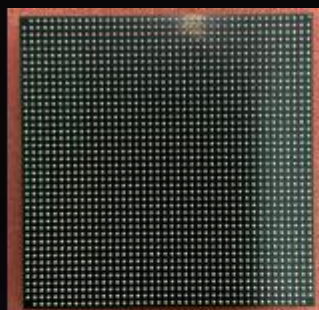


FAILED

3.3 XILINX

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
XCZU47DR-2FFVE1156I	XILINX	TAIWAN,CHINA	2241



FAILED

3.4 WINBOND

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
W25Q512JVFIQ	WINBOND	/	2142



FAILED

Brioccean Technology

THANK YOU

Your preferred supplier in global sourcing