

QUALITY CONTROL CENTRE

High-Risk or Counterfeit Parts Report

June 2024 Edition

A large graphic on the left side of the slide. It features a white square outline. Inside the square, a large diamond shape is oriented with its points towards the corners. The diamond has a vertical color gradient, starting with a teal color at the top and transitioning to a yellow color at the bottom. The word "AGENDA" is written in a bold, black, sans-serif font in the center of the diamond.

AGENDA

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

01

About Brioccean Quality Control Centre

1.1 Briocean Quality Control Centre

BRIOCEAN

Briocean has constructed two QC centres, separately in Shenzhen and Hong Kong, each with an approximate area of 1,000 square metres. The centres have over 100 state-of-the-art professional testing equipments and a group of professional qualified inspection engineers.

It adopts the 3-tier international standard QC 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 QC Centre is internationally recognised, awarded with ISO14001, and ISO 9001:2015 and meets IDEA, and ISO 17025 standards.



1.2 Briocean Quality Control 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 QC Centre's inspection engineers. This list comprises of the shipments intercepted in the month of June 2024.

02

Tier-1 Inspection Interception List

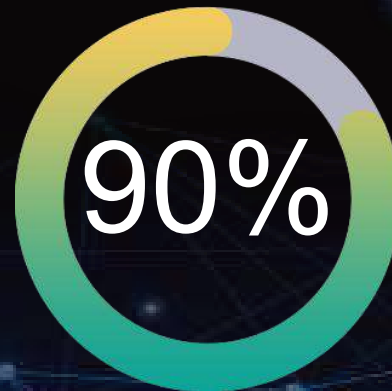
2.0 Tier-1 Inspection Interception List

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.

2.1 ANALOG DEVICES INC

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
HMC589ST89ETR	ANALOG DEVICES INC	PHILIPPINES	1805



2.1 ANALOG DEVICES INC

BRIOCEAN

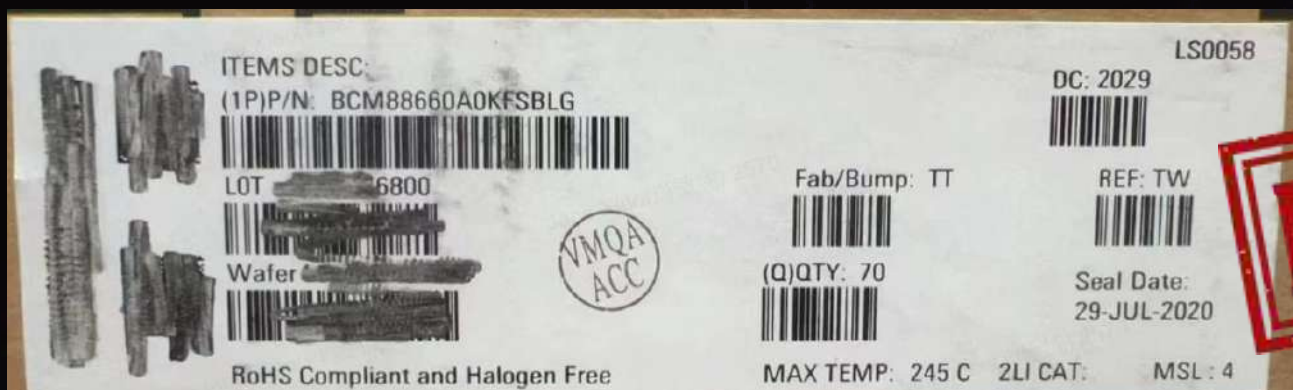
Part Number	Brand	Country of Manufacture	Date Code
HMC589ST89ETR	ANALOG DEVICES INC	PHILIPPINES	1805



2.2 BROADCOM

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
BCM88660A0KFSBLG	BROADCOM	TAIWAN	2029



2.3 DIODES

Part Number	Brand	Country of Manufacture	Date Code
FMMT617TA	DIODES	CHINA	/



2.3 DIODES

Part Number	Brand	Country of Manufacture	Date Code
FMMT617TA	DIODES	MALAYSIA	2106



2.4 INFINEON

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
SAK-XC164CS-32F40F BB-A	INFINEON	GERMANY	2329



2.5 IXYS

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
IXFN230N10	IXYS	PHILIPPINES	2307



2.5 IXYS

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
IXFN230N10	IXYS	PHILIPPINES	2401



FAILED

2.5 IXYS

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
IXFN230N10	IXYS	PHILIPPINES	2045



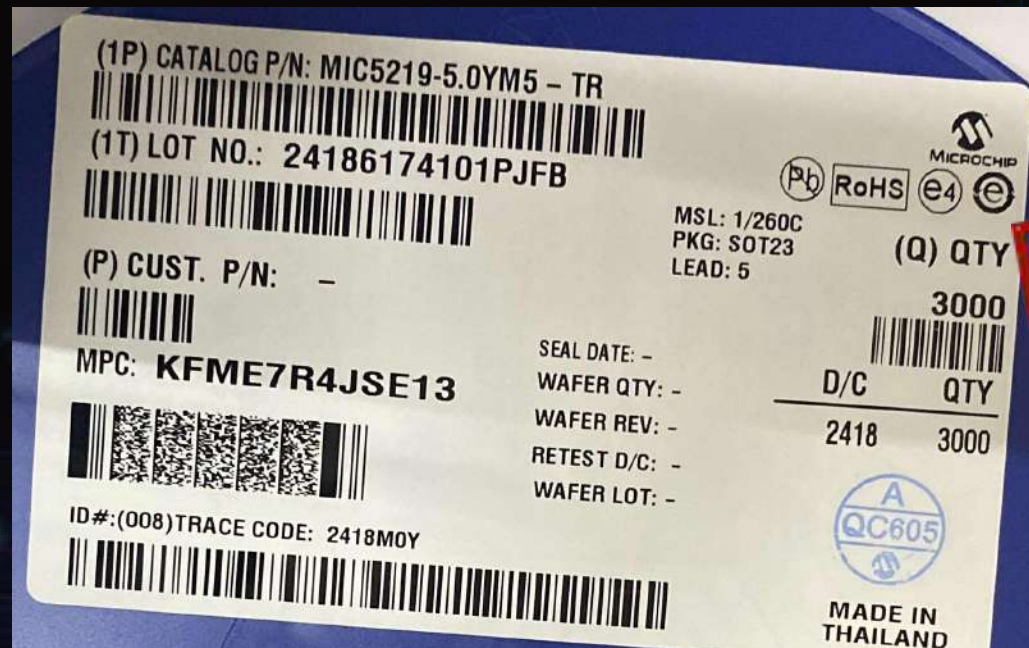
2.6 MICREL

Part Number	Brand	Country of Manufacture	Date Code
MIC5219-5.0YM5-TR	MICREL	MALAYSIA	2108



2.6 MICREL

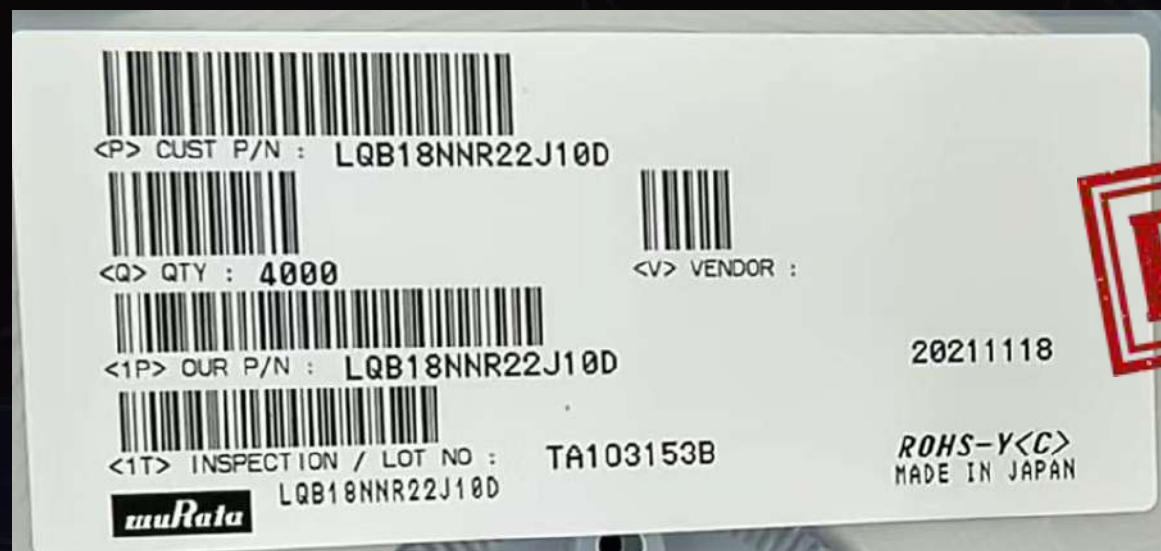
Part Number	Brand	Country of Manufacture	Date Code
MIC5219-5.0YM5-TR	MICREL	THAILAND	2418



2.7 MURATA

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
LQB18NNR22J10D	MURATA	JAPAN	2021



2.7 MURATA

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
LQW18ANR27G80D	MURATA	MALAYSIA	2022



2.7 MURATA

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
BLM18SP102SH1D	MURATA	JAPAN	2023



2.8 PULSE

BRIOCEAN

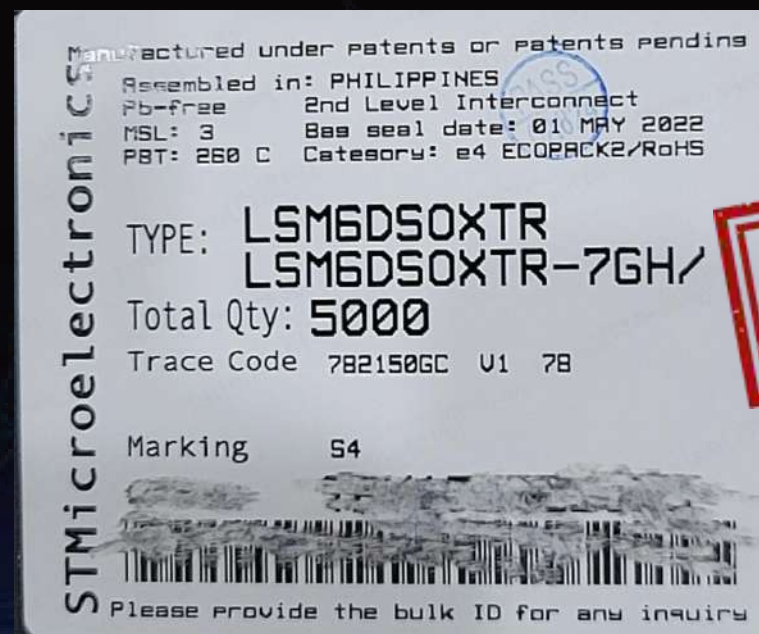
Part Number	Brand	Country of Manufacture	Date Code
HX0068ANLT	PULSE	CHINA	2218



2.9 STMICROELECTRONICS

BRIOCEAN

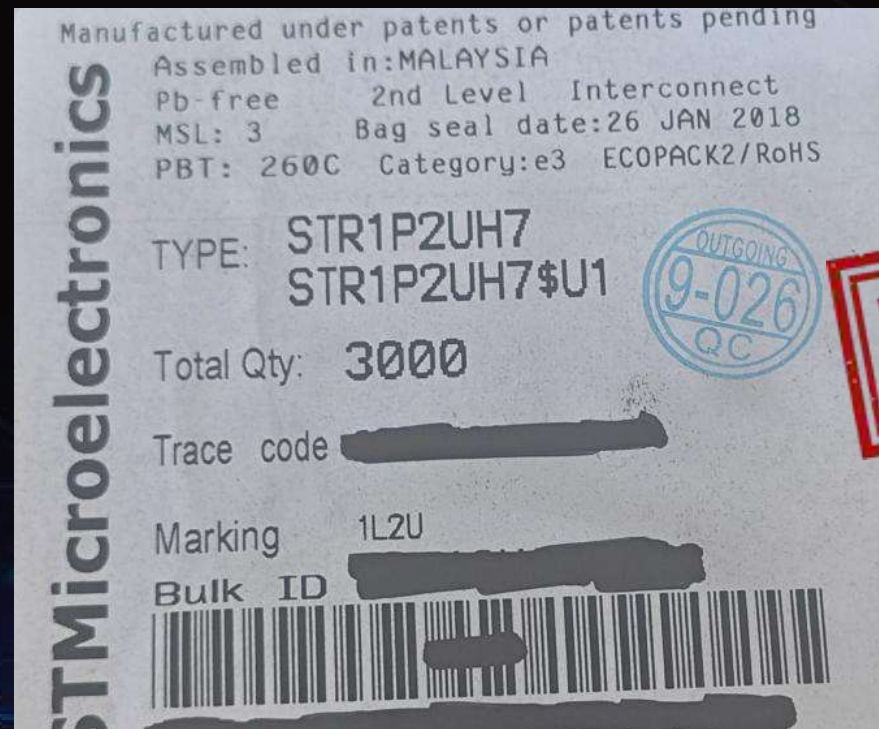
Part Number	Brand	Country of Manufacture	Date Code
LSM6DSOXTR	STMICROELECTRONICS	PHILIPPINES	2022



2.9 STMICROELECTRONICS

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
STR1P2UH7	STMICROELECTRONICS	MALAYSIA	2018



2.10 TDK

Part Number	Brand	Country of Manufacture	Date Code
CGA9P3X7S2A156M250KB	TDK	JAPAN	2248



2.11 TEXAS INSTRUMENTS

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
UC3825ADWTR	TEXAS INSTRUMENTS	MALAYSIA	2336



FAILED

2.11 TEXAS INSTRUMENTS

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
UC3825ADWTR	TEXAS INSTRUMENTS	MALAYSIA	2235

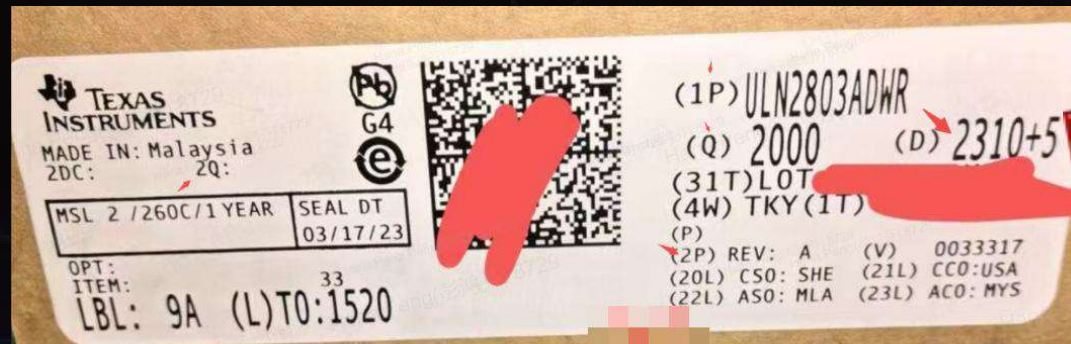


FAILED

2.11 TEXAS INSTRUMENTS

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
ULN2803ADWR	TEXAS INSTRUMENTS	MALAYSIA	2310



FAILED

Part Number	Brand	Country of Manufacture	Date Code
XC7K420T-2FFG901I	XILINX INC	/	23+

(1T) LOT NUMBER : [REDACTED]	XILINX DESICCANT ENCLOSED	(9D) DATE CODE : 23+ [REDACTED]
(1P) PART NUMBER : XC7K420T-2FFG901I		
(Q) QTY : 135		2D (Pb)
(P) CUSTOMER PROD ID : XC7K420T-2FFG901I		
PEAK BODY TEMP 245C +0/-5C		Seal date = 16-Nov-23 Mount Within = 72 HOURS
LPN : [REDACTED]	PB-Free	
	MSL=4	

FAILED

2.12

XILINX INC

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
XCZU15EG-2FFVB1156I	XILINX INC	/	2309

(1T) LOT NUMBER: [REDACTED]	XILINX DESICCANT ENCLOSED	(9D) DATE CODE: 2309
(1P) PART NUMBER: XCZU15EG-2FFVB1156I		
(Q) QTY: 120		2D
(P) CUSTOMER PROD ID: XCZU15EG-2FFVB1156I.		
PEAK BODY TEMP 245C +0/-5C		Seal date = 10-Apr-23 Mount Within = 72 HOURS
LPN: [REDACTED]	PB-Free	
[REDACTED]	MSL = 4	

FAILED

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:

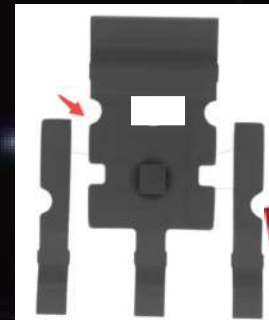
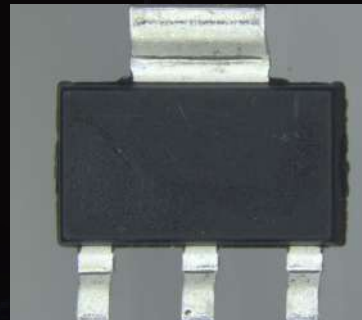


*List is arranged in alphabetical order.

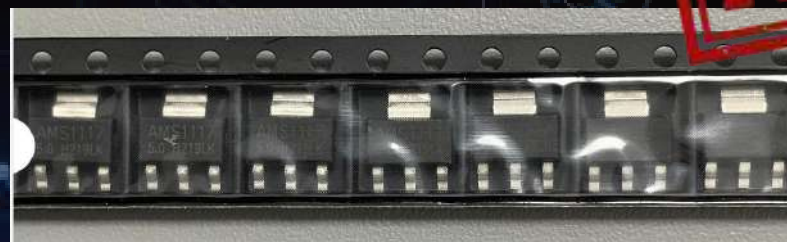
3.1 AMS

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
AMS1117-5.0V	AMS	/	21+



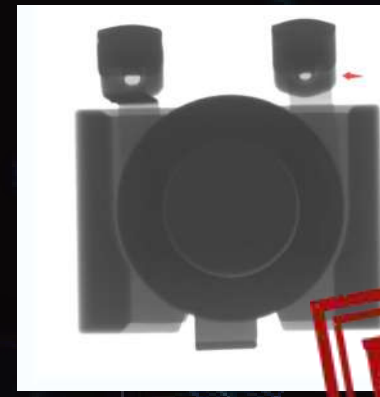
FAILED



3.2 COILCRAFT

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
SER1390-473MLD	COILCRAFT	CHINA	2325



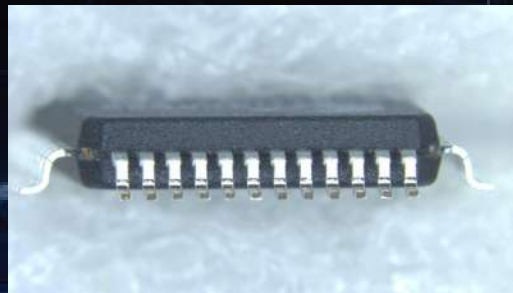
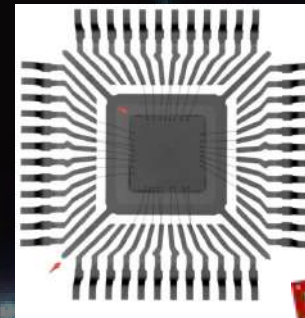
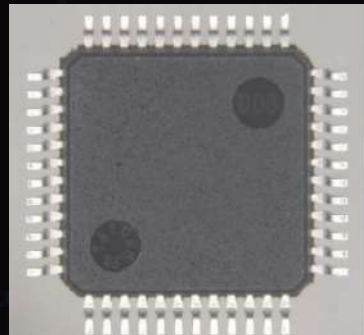
FAILED



3.3 CYPRESS

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
SL811HST-AXC	CYPRESS	TAIWAN	2016

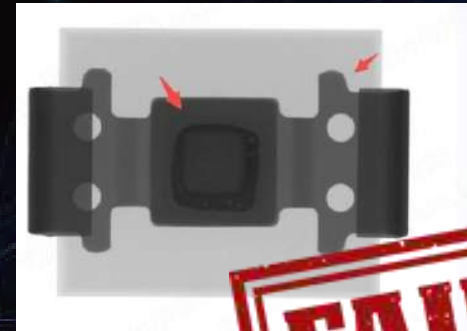
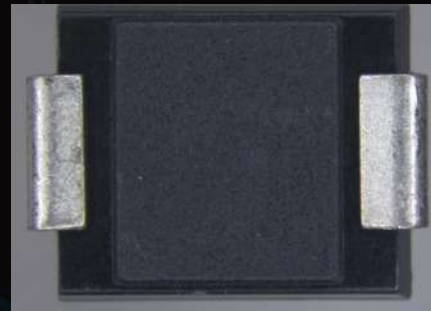


FAILED

3.4 DIODES

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
SMCJ22A-13-F	DIODES	TAIWAN	2350

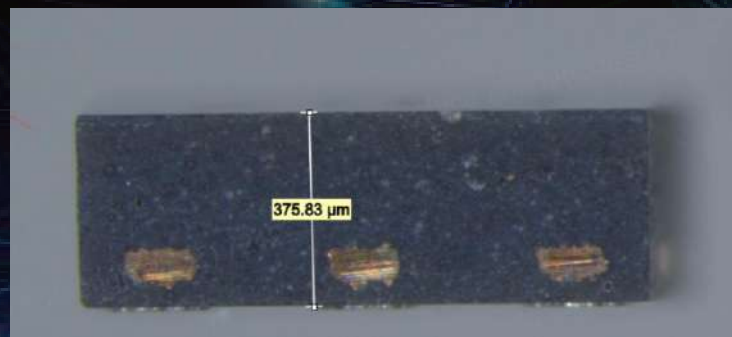
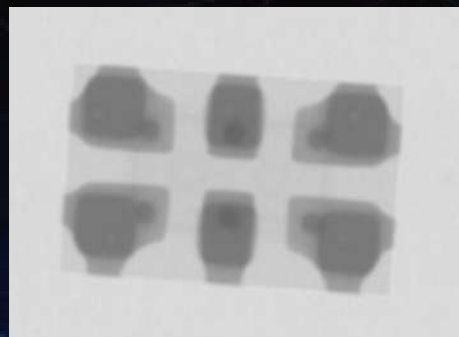


FAILED

3.5 INFINEON

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
BGA824N6E6329	INFINEON	CHINA	2203

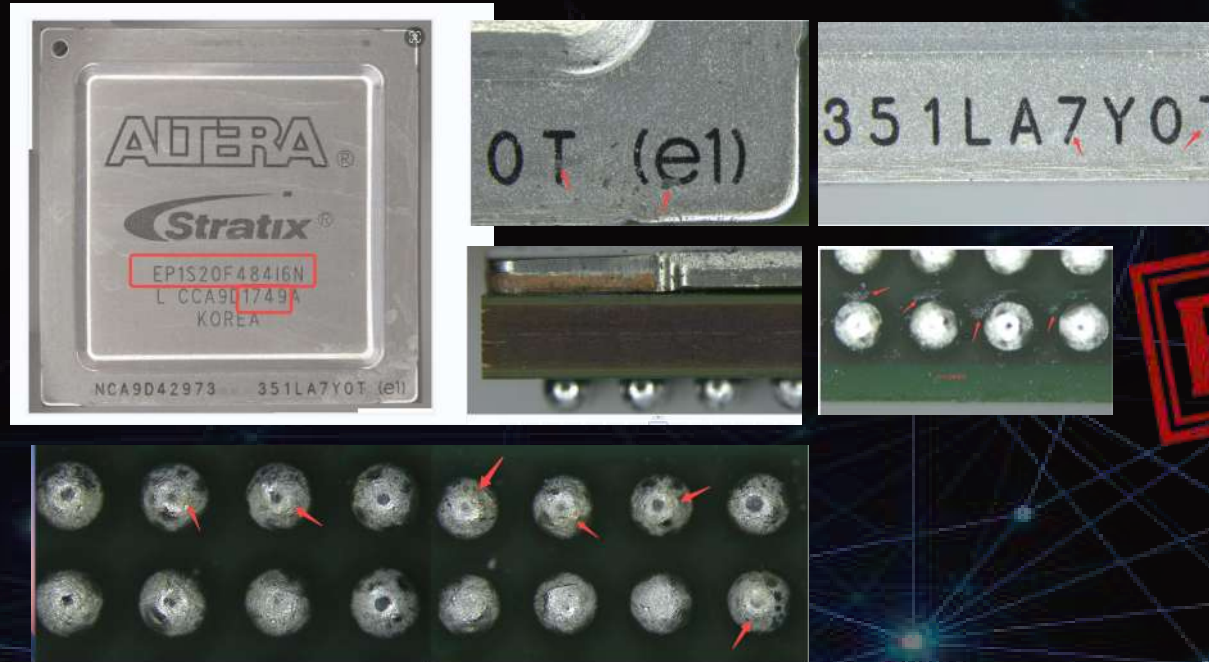


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3.6 INTEL

BRIOCEAN

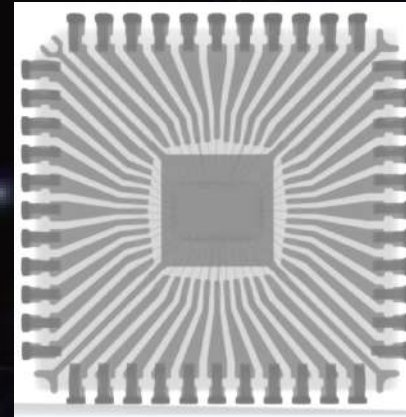
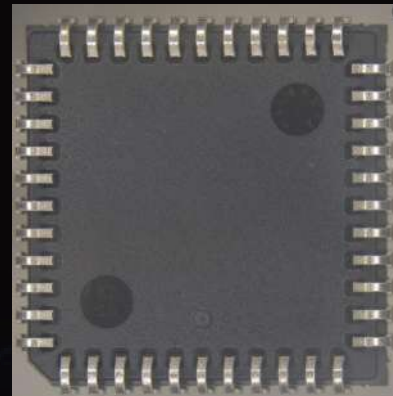
Part Number	Brand	Country of Manufacture	Date Code
EP1S20F484I6N	INTEL	KOREA	1749



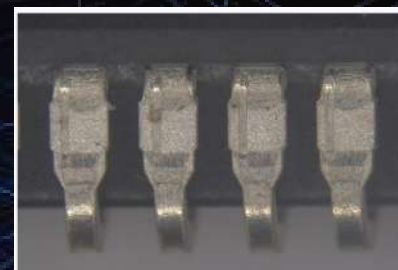
3.6 INTEL

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
EPM7064SLI44-7N	INTEL	/	1743



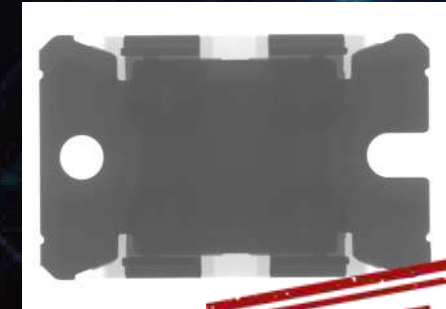
FAILED



3.7 IXYS

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
IXFN230N10	IXYS	/	2307

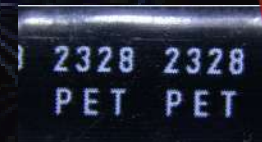


FAILED

3.8 NICHICON

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
LGU2D471MELB	NICHICON	MALAYSIA	2328

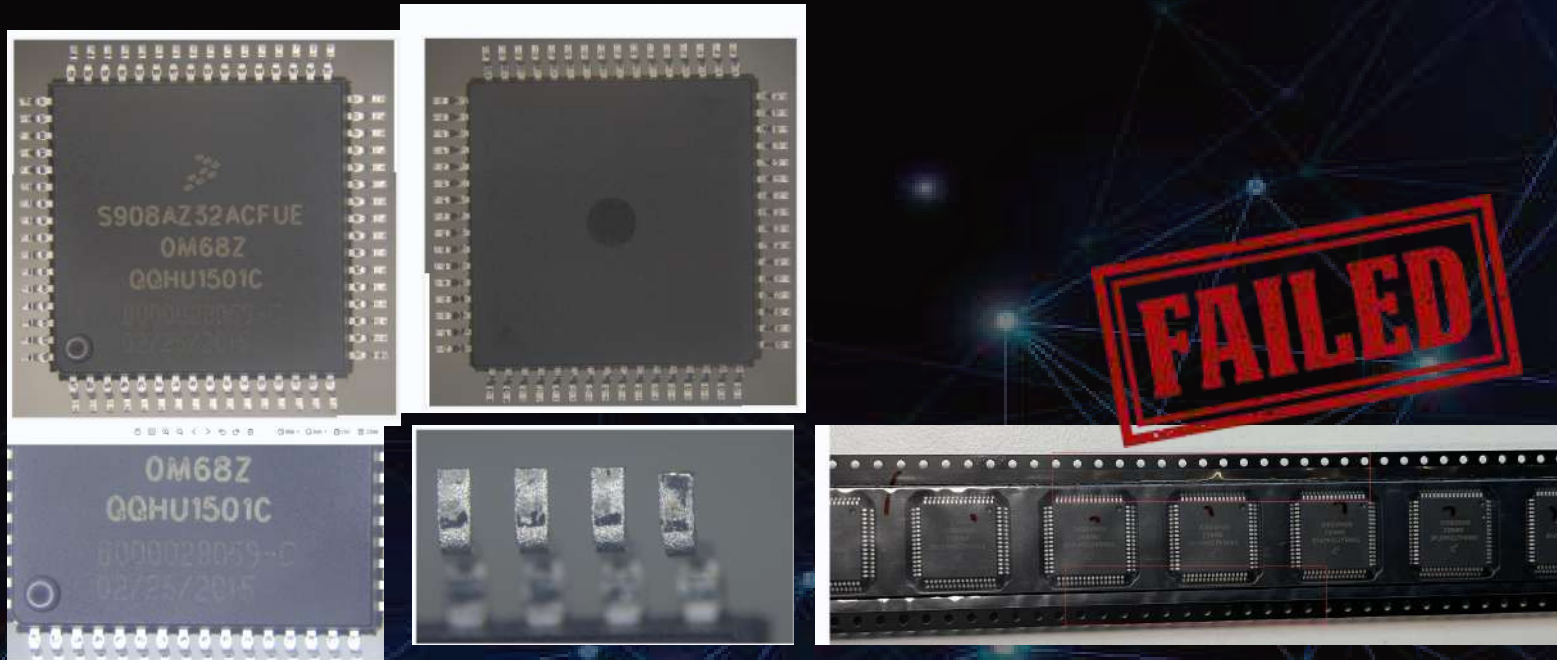


FAILED

3.9 NXP

BRIOCEAN

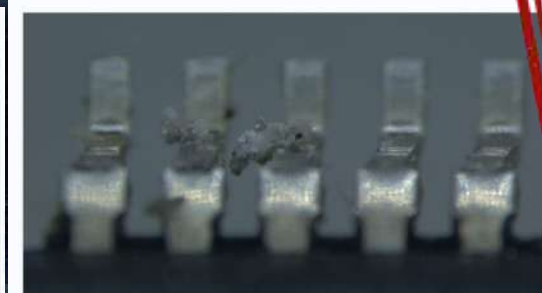
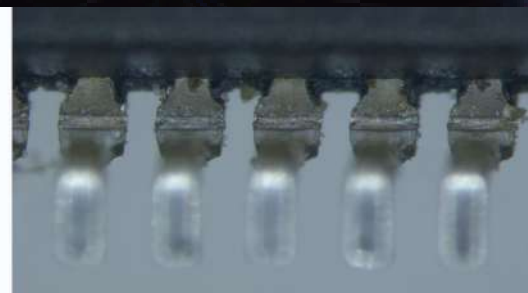
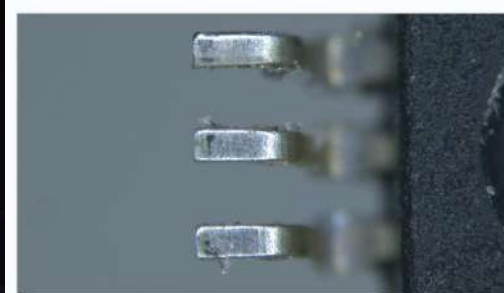
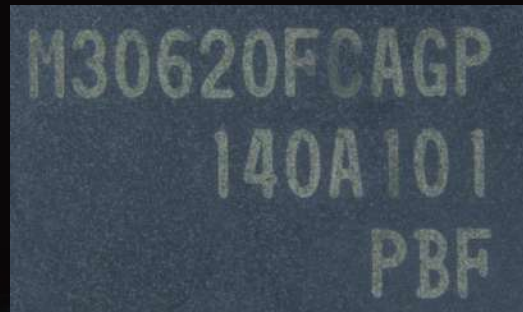
Part Number	Brand	Country of Manufacture	Date Code
S908AZ32AE0CFUER	NXP	MALAYSIA	1503



3.10 RENESAS

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
M30620FCAGP	RENESAS	/	/

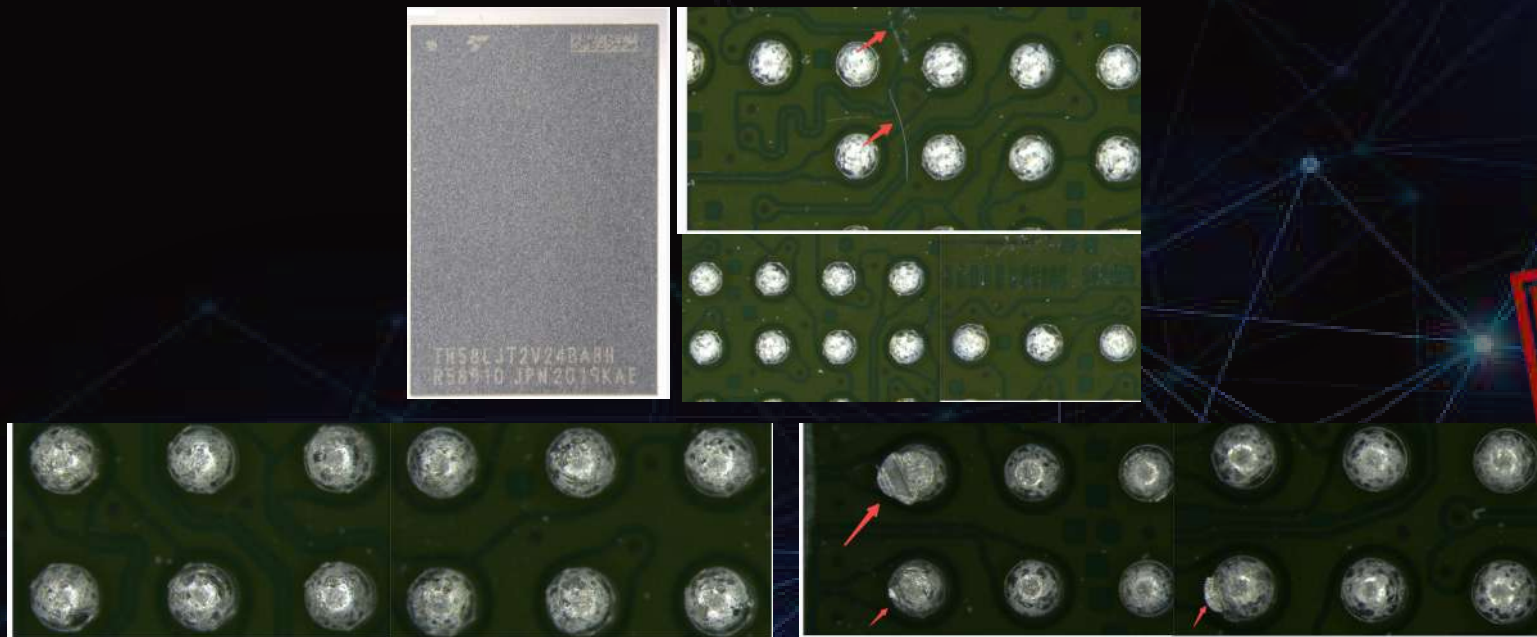


FAILED

3.11 TOSHIBA

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
TH58LJT2V24BA8H	TOSHIBA	/	2019

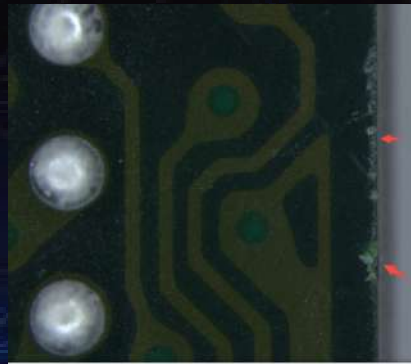
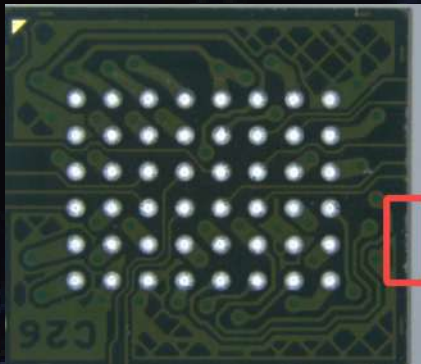
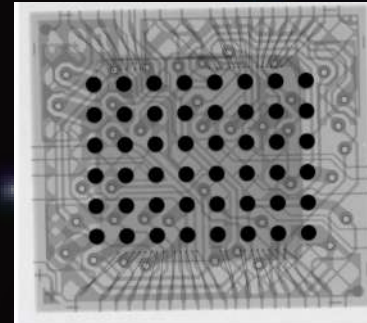
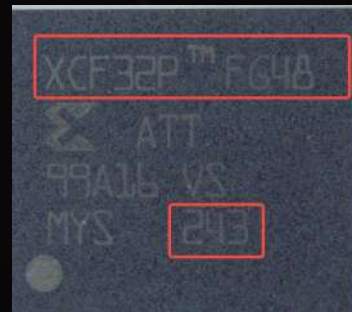


FAILED

3.12 XILINX INC

BRIOCEAN

Part Number	Brand	Country of Manufacture	Date Code
XCF32PFSG48C	XILINX INC	MALAYSIA	2243



FAILED

Brioccean Technology

THANK YOU

Your preferred supplier in global sourcing