





SMT Overview

- Established in 1995.
- Independent Stocking Distributor of Electronic Components and Peripherals.
- Located in S.W. Connecticut approximately 1.5 hours from N.Y.C. and 2.5 hours from Boston.
- Woman Owned Small Business



Facility Overview

- 72,000 sf. facility specifically engineered for the proper storage, inspection, and distribution of ESD and humidity sensitive electronic components.
- Over 100,000 line items in-stock from over 600 manufacturers.
- Actives, Passives, IC's, Discrete's, Connectors, LCD's and Peripherals







Facility Security





Dehumidification System





ESD Floor Treatments



ESD Air-lock





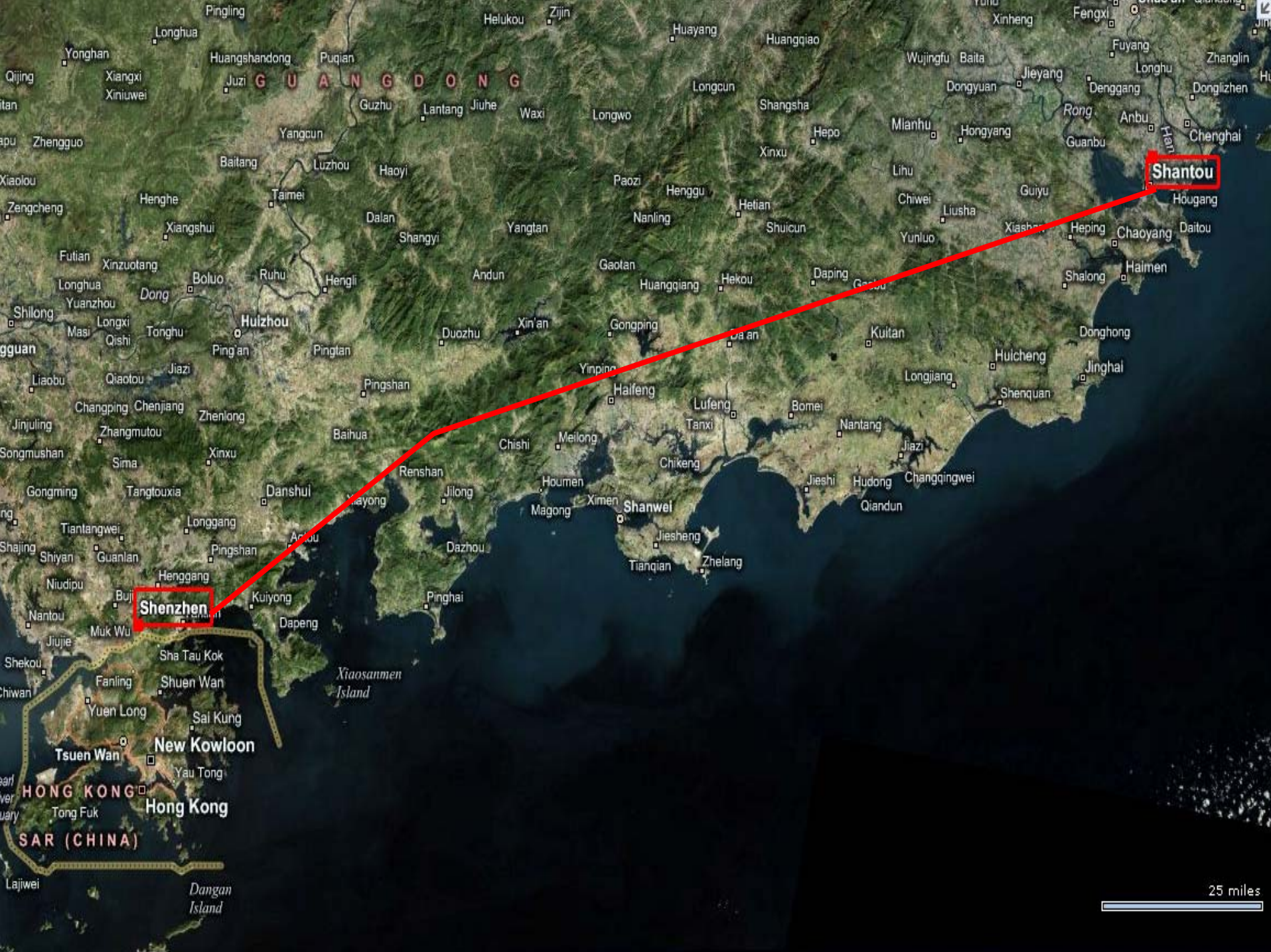
SMT Corporation

Certifications & Memberships

- ISO9001:2000 CERTIFIED
- AS9120:2002 CERTIFIED
- ISO14001:2004 CERTIFIED
- OHSAS 18001:2007 CERTIFIED
- ANSI/ESD-20.20:2007 CERTIFIED
- WBENC CERTIFIED
- IDEA MEMBER
- ERAI MEMBER
- GIDEP MEMBER
- AIA MEMBER
- EPA REGISTERED

China Trip 2008





Shenzhen

Shantou

GUANGDONG

HONG KONG

SAR (CHINA)

25 miles



Vehicle Inspection Point Just Outside City of Shantou





Entering City of Shantou



東昇賓館

CLEANING
東昇五金

東昇五金

五金

商店





**Electronic Debris Stored
in Front and Back Yards
seen while driving
through city streets**













Shantou warehouse:
Boards stacked,
waiting for chip
removal.

红玫

广东中烟工业公司出品

广州市天河区林和西横路203号







Components being washed in the river & laid on bank to dry.

Washing components in river



Components on river bank drying





**Pulled components
drying on city
sidewalks, then
separated by type.**







**0402 Case Size Capacitors
(\$.005 ea from Fran. Disty)**



**Pulled components
stored in bags, being
delivered and awaiting
processing.**





xjy@mail.com

本公司地址：
0993
石河子市
天业
GB/T 512

天业



**Pulled components
sorted by sifting**







**Pulled components prepared
for counterfeiting process**



翰台



弘隆
0769-5567986

正承





6 92101 010133 9

640M1 X 12 3/8



Counterfeiting District
where Refurbishing, Remarking,
and Repackaging occurs.
Residence housing is located
above.



工业电器

电

电话: 320717 手机:

美盛米行

电

美盛米行

美盛米行

320717



Remarked Components
Ready for counterfeit packaging
and distribution thru Shenzhen's
Global Market

BCS
29LV800TTC
-70

MEM
29LV320FE
-70

LH28F160BVHE
-TTL90

三星 DDR
16x16
K4D551638F-36
K4D551638F-40
K4D551638F-50

三星 30A
K4S51163LF-XG75
K4S51163LF-PL1L
K4D263230G-GC

DDR
8x16
K4D261638F-7c40
K4D261638I-7c50

DDR
8x16 16x16
HY5DV281622ET-J
HY5DV281622ET-J
HY5DV281622ET-DW

南亚 DDR
NT5958M16FS-51
NT5958M16CS-51

DDR
8x16
VT3212162T-6

DDR 16x16
K4H561638H-Uccc
K4H561638H-Uc00

AM29LV

EM6493272-4

CS98A138U

SF5103189W

W491107A-70



City of Shenzhen

China's main entry point of
counterfeit electronics into
the global marketplace



赛博数码广场

易天 手机

Nikon

瞬间灵感，即刻成画

Oitell 易天

三星 Anycall

港林地产

SONY

中国加油!

减肥

036655

服务站

部

电话: 12315

华强电子世界

TRONIC CO., LTD

金

10C010



松下电容大量现货
电话 0603 479K 44V
电话 0603 225K 44V
电话 0402 105K 44V

宇阳 (EYANG)
电容 0603 / 0402
全系列大量现货

个体工商户营业执照

DAVE BROWN
BB

FUJITSU

MAXIM

SAMSUNG
ELECTRONICS

TEXAS
INSTRUMENTS

NEC

DALLAS

ROHM

AMD

ALTERA

NATIONAL
SEMICONDUCTOR

MOTOROLA

Intel

ST

TOSHIBA

HITACHI

AMEL

SSI

HARRIS
TECHNOLOGIES

SGS THOMSON
MICROELECTRONICS

XLINK

PHILIP

ORION

LUCENT

MICROCHP

IOR

CYPRESS

品

品
品
品

3

TEXAS INSTRUMENTS

LBE: IFO

MADE IN: TAIWAN

MC3486DR

CHIPCO: USA

CUST P/N
CHIPS0: SHE 50F: T
DRR LOT: 6400647



CHIPREV: C

2250

958
A792

2-124

ATMEL

AT24C01
 AT24C02
 AT24C16
 AT24C32
 AT89C51-24PI
 AT89C51-24PU
 AT89S51-24PU
 AT89S52-24PU
 AT89C55WD
 AT45DB041D
 AT89C2051-24PU
 ATMEGA8L-8PU
 ATMEGA32L-8PU

家电IC

TDA2003A
 TDA2004
 TDA2005R
 TDA2025B
 TDA2030A
 TDA2822M
 TDA7265
 TDA7293
 TDA7294
 TDA7296
 TDA7377
 TDA7388
 TDA8571J

MAXIM

MAX202CPE/EPE
 MAX232CPE/EPE
 MAX232ACWE/AEWE
 MAX3232CPE/EPE
 MAX483CPA/EPA
 MAX485CPA/EPA
 MAX487ECPA/EEPA
 MAX813LCPA/LEPA
 MAX1487CPA/EPA
 MAX3082ESA
 MAX809REUR-T
 AL422B
 SJA1000N

74CD系列

74HC00
 74HC14
 74HC595
 74HCT02
 74HCT245
 74LS02
 74LS126
 CD4011
 CD4013
 CD4021
 CD4060
 CD4066
 CD4069

HOLTEK

HT1380B
 HT1381B
 HT9170B/D
 HT9200A/B
 HT1621B
 HT46R47
 HT6221
 HT7022-1
 HT7136-1
 HT7330A-1
 HT7533-1
 HT7536-1
 LM567

10A604

AMS1117-...
 W77E058A40DL
 W77E516A40DL
 W78E058B40DL
 W78E054B40PL
 W78E052C40DL
 DS18B20+
 DS18S20+
 DS12887
 DS12C887
 DS1302
 DS1307

10A604**格****GE**

10A605



AXT 深圳市科视通电子有限公司
电话: 88396328 传真: 86-755-88396835 手机: 13612897028
营销部电话: 86-755-836782

W3 焯迪電子
专营: DIP SMD IC 光藕 三端稳压

晶振系列
专营: 石英 晶振 陶瓷晶振
贴片元件 振荡器 滤波器

金骏电
专营: DIP/SMD
二三极管 IC 光

电子元器件
集成电路
IC 芯片
二三极管
贴片元件
其他配件

保险丝
SMD

东新电子
专营: 贴片元件
二三极管

晶振系列
石英晶振
陶瓷晶振

贴片元件
振荡器
滤波器

二三极管
IC 芯片

其他配件



厂家直销
电源

晶振
2A309
SVT

网络滤波器
晶振

SMD 立
电话: 83031613 手机: 1359



Scope of Counterfeit Problem

- ERAI Inc, has confirmed more than 2800 brokers selling counterfeit components



**Counterfeit
factory box**





LOGO AUTHENTICATION

FAKE



REAL



Micron

PART NUMBER:(1P) MT28F004B5V6-6 B



QUANTITY: 1000

DATE:200548

235C MST: 3

(1T) **BYKJ2N7.11**

260C MST: 3



235C Peak Package Body Temp Moisture Level:

Floor Life: One Year Condition <= 30 deg. C/60% RH

260C Peak Package Body Temp Moisture Level:

Floor Life: One Year Condition <= 30 deg. C/60% RH

Package Seal Datl: Del 02 2005

Operator: JDOE



Operator: JOOE



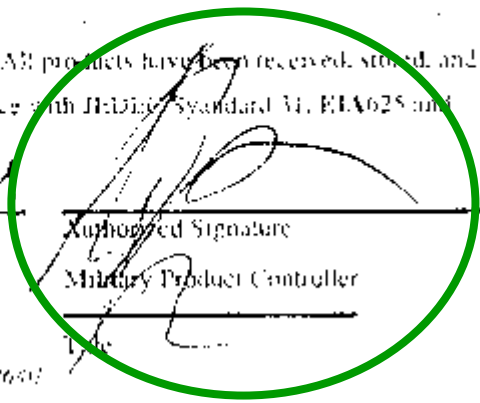
MIL-STD 883 ATTRIBUTES TEST DATA

Customer E TEL		Special/Generic AD570MP/8E30A 5762-875710YKA			QC Lot # F78577265			
Date Code 0732	Prepared By C LEE	QC Lot Size 777		Ship Qty: 250				
VISUAL/MECHANICAL/ELECTRICAL SCREENING	Method	Screen MIL-STD 883 Method 5004	Cond.	Gross	Net	REJ. OTHER	Date	Comments
		EXTERNAL VISUAL	✓	607	600			
		TEMPERATURE CYCLE	✓	600	490			
		CONSTANT ACCELERATION	✓	490	490			
		HERMETICITY FINE LEAK	✓	490	431			
		PRE BURN-IN ELECTRICAL	✓	431	430			
		BURN-IN	✓	430	429			
		POST BURN-IN ELECTRICAL	✓	429	429			
		EXTERNAL VISUAL	✓	429	429			
		GROUP A INSPECTION						100% TESTED
QUALITY CONFORMANCE INSPECTION	PROGRAM NAMES		PROGRAM NAME					
			A13168-7					
General P/N		FAB Date Code		Report #				
AD570MP/8E30A 5762-875710YKA		0410		M76-452K				
Approved By:							Date: 05-28-04	

MILITARY CERTIFICATE OF COMPLIANCE

I hereby certify that the products in this shipment are part of
 which are enclosed. All products have been received, stored, and
 shipped in accordance with JEDEC Standard M, EIA625 and
 JEP 109.

Date 5-23-04
 Authorized Signature _____
 Military Product Controller



MILITARY CERTIFICATE OF COMPLIANCE

I hereby certify that the products in this shipment are part of
 which are enclosed. All products have been received, stored, and
 shipped in accordance with JEDEC Standard M, EIA625 and
 JEP 109.

Date 5-23-04
 Authorized Signature _____
 Military Product Controller



RT. 1 INDUSTRIAL PARK, NORWOOD, MA 02062

DATE _____ P.O. # _____ PART # _____

CUSTOMER: _____ SALES ORDER _____ DATE CODE _____

DOCUMENTS ENCLOSED _____

INCOMING QUALITY CONTROL INSPECTION DATA

***THESE DOCUMENTS MUST
ACCOMPANY SHIPMENT***

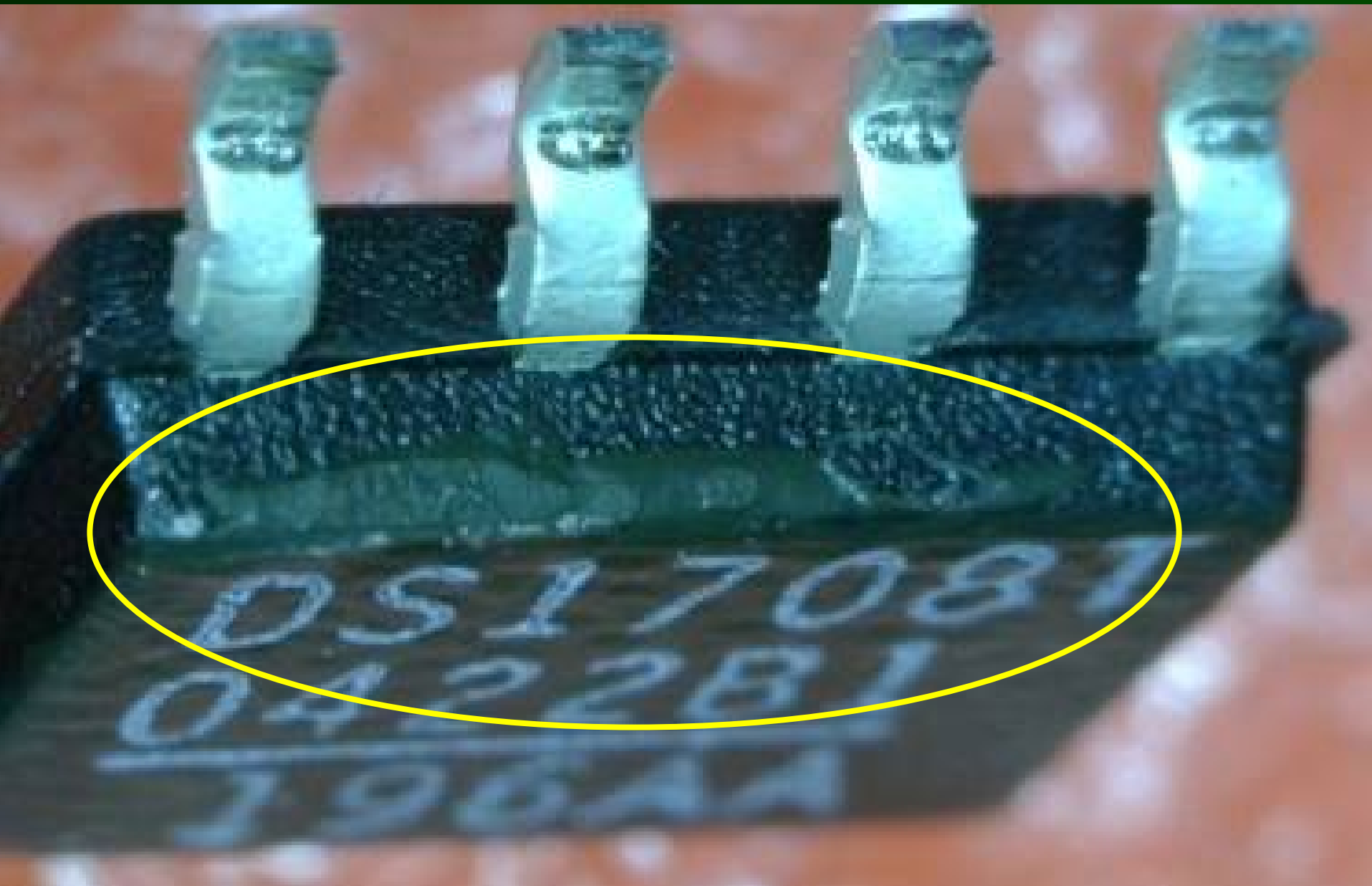


Components on river bank drying





SLOPPY BLACK-TOPPING





Different date code on bottom

10/24/2008 10:05

2008/10/24 10:03:24

Before permanency tests

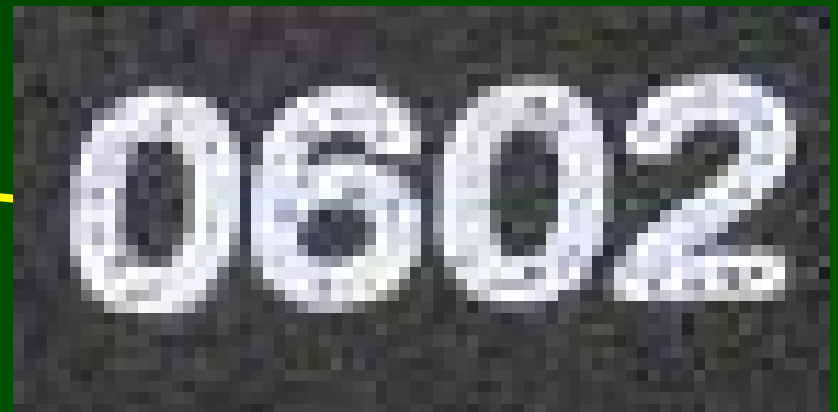


10/24/2008 10:05

2008/10/24 10:00:41



1997 parts
remarked as
2006: **Nine**
years difference



Different Part Number and Date code



After part permanency test



Before part permanency test



Laser-Etch remarking still visible after black topping has been removed

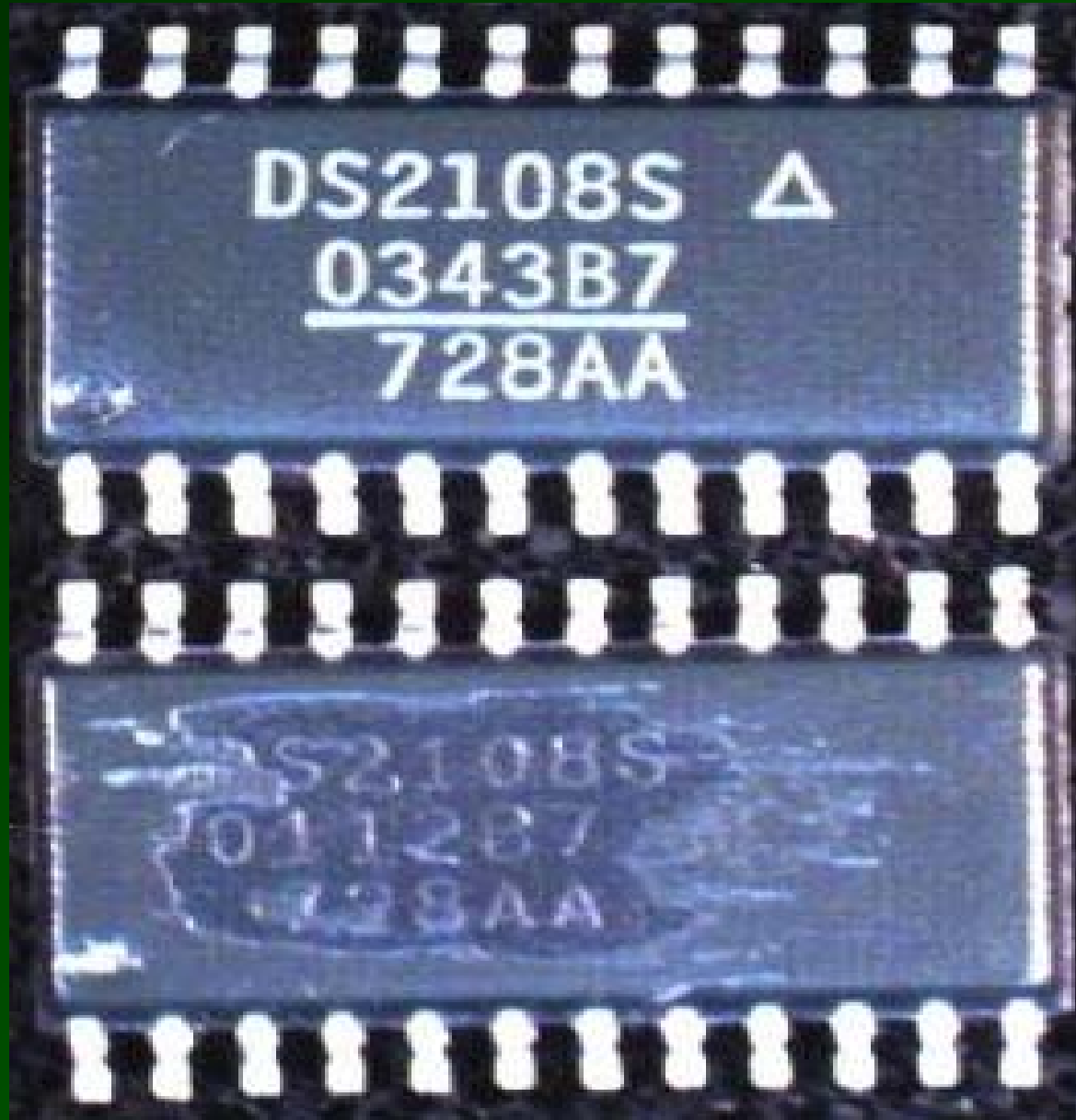
TOP PART MARKING





Baked-On Black-Topping

Scraping
required to
remove
finish





Chip Sales to Drop 24% in 2009

“Chip sales are on track to fall 24% in 2009.” says Gartner Inc. The industry research group also said the industry will not be able to return to 2008 revenue totals through 2013.



Is the “Perfect Storm” Approaching?

- Historically, severe component shortage and allocation events begin at the end of recessionary periods.
- Currently we are in the worst recessionary period of our generation.
- Is this industry preparing to face this very real possibility?



Development of a Stringent Counterfeit Mitigation Process



Equipment Required for Component Authentication & Quality

- **Real Time X-ray**
- **Acid Etch Decapsulation**
- **Microscopy Equipment**
- **XRF Tester (RoHS)**
- **Solderability Tester**
- **Baking & Dry packing equipment**



Require More!

- Professional liability insurance
- Certifications: **Not Compliance**
- Verification of financial stability
- Periodic site audits
- Detailed documentation on component authenticity and quality with every order

