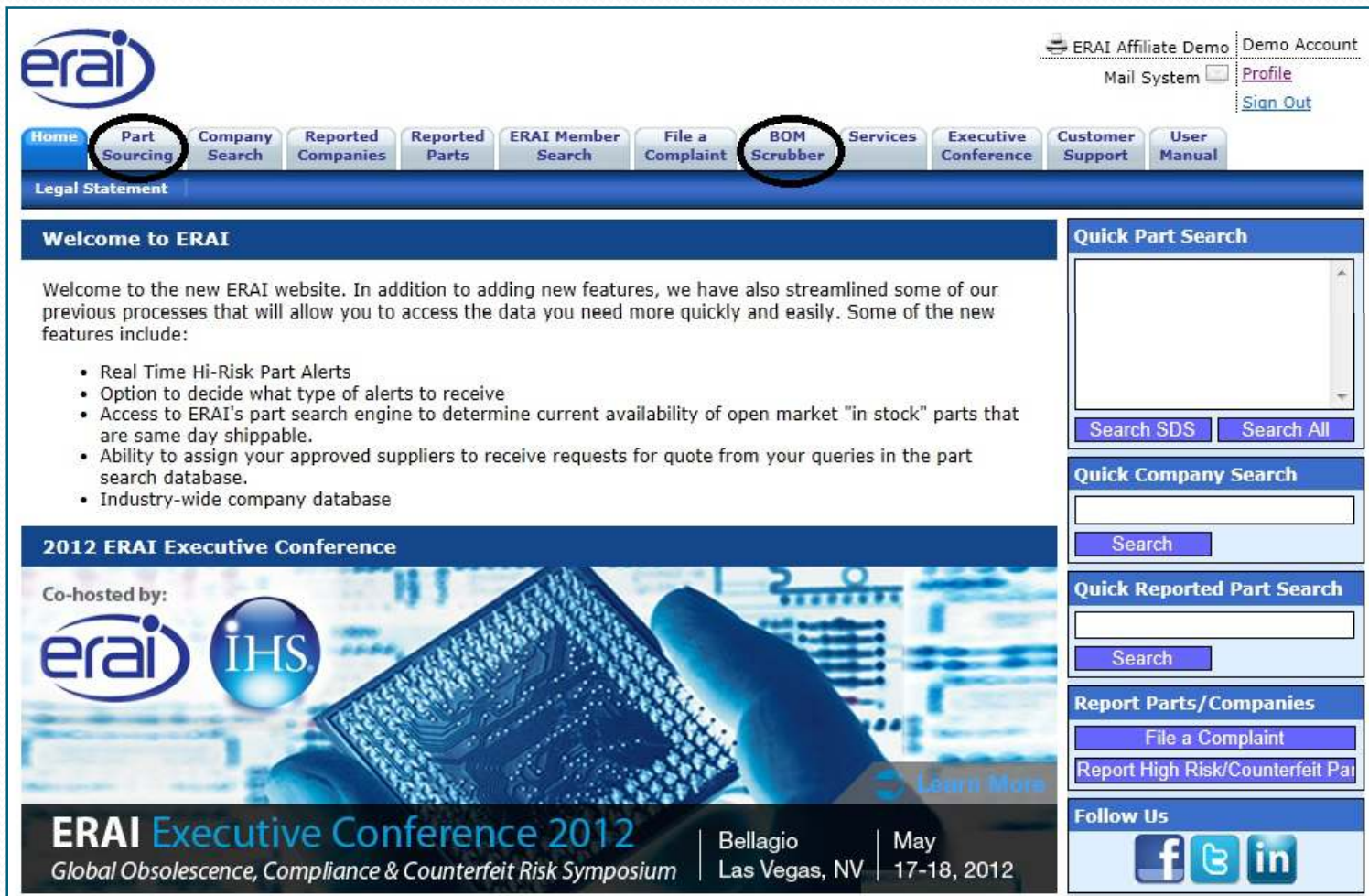


ERAI Reports, Processes and Methodologies

Mark A. Snider
President, ERAI, Inc.



Integrating ERAI Tools into Component Selection, Part Screening, QA/Test, Material Control and Purchasing Processes



The screenshot shows the ERAI website's main navigation bar with the following links: Home, Part Sourcing, Company Search, Reported Companies, Reported Parts, ERAI Member Search, File a Complaint, BOM Scrubber, Services, Executive Conference, Customer Support, and User Manual. The "Part Sourcing" and "BOM Scrubber" links are circled in red. In the top right corner, there are links for "ERAI Affiliate Demo", "Demo Account", "Mail System", "Profile", and "Sign Out".



Welcome to ERAI


Welcome to the new ERAI website. In addition to adding new features, we have also streamlined some of our previous processes that will allow you to access the data you need more quickly and easily. Some of the new features include:

- Real Time Hi-Risk Part Alerts
- Option to decide what type of alerts to receive
- Access to ERAI's part search engine to determine current availability of open market "in stock" parts that are same day shippable.
- Ability to assign your approved suppliers to receive requests for quote from your queries in the part search database.
- Industry-wide company database

2012 ERAI Executive Conference

Co-hosted by:



ERAI Executive Conference 2012
Global Obsolescence, Compliance & Counterfeit Risk Symposium

Bellagio | May
Las Vegas, NV | 17-18, 2012




Quick Part Search

Quick Company Search

Quick Reported Part Search

Report Parts/Companies

Follow Us

Part Sourcing



[Home](#) [Part Sourcing](#) [Company Search](#) [Reported Companies](#) [Reported Parts](#) [ERAIR Member Search](#) [File a Complaint](#) [BOM Scrubber](#) [Services](#) [Executive Conference](#) [Customer Support](#) [User Manual](#)

ERAIR Part Sourcing Database

Enter Part Numbers (one per row)

SEARCH
Same Day Shipping
INVENTORY

SEARCH
All Available
INVENTORY

Geo-Location Filter

☒ Africa
☒ Asia
☒ Australia/Oceania
☒ EUROPE
☒ North America
☒ South America

Quantity Filter

Hide Quantities Below:

Settings

Exact Search
AVL List

Welcome to the ERAIR "Member Only" part search database.

Please note: There are two recommend methods for purchasing components from the ERAIR part search system:

Option A: Directly contact a reliable independent distributor of your choice that your company has a purchasing history with who meets your quality standards and procedures.

Option B: Establish and maintain a list of approved vendors and add them to your AVL list in the ERAIR part search platform. Doing so will improve quality processes by ensuring all employees in your organization utilizing this system are only sending requests for quotes to approved suppliers.

- If you are conducting multiple searches simultaneously, you may want to use our RFQ basket instead of the standard RFQ system. The RFQ basket allows you to select and place the results that interest you into the RFQ basket (visible at all times on the bottom of your screen). Once you have completed all of your searches, the RFQ basket allows you to send all RFQs from one easy-to-navigate form. Additionally, this form also allows you to create a custom message text library to be used to pre-populate future RFQ messages.

If you need technical assistance, please click on ["Contact Us"](#) or call customer support at (239) 261-6268.

Part Sourcing Results



ERAIR Part Sourcing Database

[Manage Your AVL List](#)

2N2222A

☐ Exact Search Part 2N2222A SDS Mfg Qty 0 Regions Search


RFQ	Prefix	Number	Mfg	D/C	Qty	Price
<input type="checkbox"/>	SDS	2N2222A	SSI		98269	call
<input type="checkbox"/>	SDS	2N2222A	SSI	10	65618	call
<input type="checkbox"/>	SDS	2N2222A	CON		58146	call
<input type="checkbox"/>	SDS	2N2222A#	NJS		52965	call
<input type="checkbox"/>	SDS	P 2N2222ARL1	ON SEMICONDU		42000	call
<input type="checkbox"/>	SDS	2N2222A# #	UNB		23359	call
<input type="checkbox"/>	SDS	2N2222A	CDIL		22795	call
<input type="checkbox"/>	SDS	ST 2N2222A	SEMTECH		22498	call
<input type="checkbox"/>	SDS	P 2N2222AG	on	1007	20000	call
<input type="checkbox"/>	SDS	2N2222A@	UNB		18790	call
<input type="checkbox"/>	SDS	2N2222A #	UNB		13356	call
<input type="checkbox"/>	SDS	P 2N2222AG	on	1024	12480	call
<input type="checkbox"/>	SDS	2N2222A	GTC00		11905	call
<input type="checkbox"/>	SDS	2N2222A	UNB		11005	call
<input type="checkbox"/>	SDS	2N2222A	TAITRON		10680	call
<input type="checkbox"/>	SDS	2N2222A	MOT	1993	9679	call
<input type="checkbox"/>	SDS	P 2N2222A	ON SEMICONDU		9135	call
<input type="checkbox"/>	SDS	2N2222A	MOT		8821	call
<input type="checkbox"/>	SDS	2N2222A	MOT	1986	8086	call
<input type="checkbox"/>	SDS	2N2222A	NJS		8031	call

1 2 3 4 5 6 7 8 9 10 11

Sending a RFQ to an AVL Supplier





 ERAI Affiliate Demo Demo Account
Mail System ☐ [Profile](#)
[Sign Out](#)

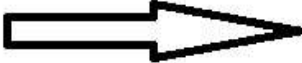
HomePart SourcingCompany SearchReported CompaniesReported PartsERAI Member SearchFile a ComplaintBOM ScrubberServicesExecutive ConferenceCustomer SupportUser Manual

ERAI Part Sourcing Database


	SELECT AVL RECIPIENTS	I need	Notes
Part	 2N2222A	2N2222A	<div></div> <div>(Terms)</div>
Quantity	98269		
Price	call		
Manufacturer	SSI		
D/C			


Send RFQNew SearchBack to Results


Maintaining an Approved Vendor List











ERAI Affiliates Demo

 [Add more Companies](#)

 [How does an AVL-based RFQ system Work?](#)

 [Close](#)

These are the companies currently on your AVL:

  Example Distributor 1	  Example Distributor 3
  Example Distributor 2	  Example Distributor 4

ERAI Bill of Material Scrubber



Home Part Sourcing Company Search Reported Companies Reported Parts ERAI Member Search File a Complaint **BOM Scrubber** Services Executive Conference Customer Support User Manual

Material Scrubber Advanced BOM Tools

BOM Scrubber

The ERAI Bill of Material Scrubber allows you to quickly and easily compare your materials lists against the ERAI Counterfeit / High-Risk Parts Database. You may submit up to five files at a time, maximum of 50,000 line items per file.

Browse to find your BOM file(s)

Percent of accuracy

<input type="text"/>	<input type="button" value="Browse..."/>	50%+ ▼
<input type="text"/>	<input type="button" value="Browse..."/>	50%+ ▼
<input type="text"/>	<input type="button" value="Browse..."/>	50%+ ▼
<input type="text"/>	<input type="button" value="Browse..."/>	50%+ ▼
<input type="text"/>	<input type="button" value="Browse..."/>	50%+ ▼

PLEASE NOTE: : If you are posting an Excel or CSV file "comma" is the default delimiter. If you are posting a text file (txt) you will need to specify which delimiter (a character that separates data fields) is applicable to your data.

☒ Comma (,) ☐ Semi-Colon (;) ☐ Colon (:) ☐ Tab ☐ Pipe (|) ☐ Other Character

Email report to (separate by ";" if multiple): REQUIRED

Once you submit these files for scrubbing, the data will be crosschecked against the ERAI Counterfeit / High Risk Parts database. The recipients you specified above will receive an email message with a Microsoft Excel report displaying matches. If no parts were matched, the recipients will receive a message stating no matches were found.

Assign BOM Data Columns



Below are the columns our system has identified from the file you submitted. In order for the scrubber to run a cross-match, please identify which column is the part number by clicking on the "select" button at the top of the appropriate column. Additionally, if you would like other information displayed in the results, such as your corresponding internal part number or the component manufacturer 's name, simply identify the appropriate columns using the same method.

Please select the appropriate identity of the data in each column you wish to match. The only mandatory selection is the column containing the manufactures part number.

File 1: Scrub Data2.xls

-- Select	-- Select	-- Select	-- Select
ADS7832BN	Burr Brown	98	536235
BUV48C	ST Micro	07	526894
DAC1231LCJ	National	9048	7548984
EF6809	ST Micro	0017	798235
HM628128LP-10	Hitachi	0539	5554124
HM628512ALFP-8	Hitachi	0203	236548

[Submit](#) [Back](#)

BOM Scrub Results



Report Type:	User Initiated Scrub Report								
Company Name:	ERAJ Affiliate Demo								
Date Processed	2/28/2011								
Please Note: TYPE (Column D) HR - High Risk Parts (Parts that have been reported to ERAJ as being faulty, substandard or nonconforming to the original manufacturer's specifications.); SC - Suspect Counterfeit Parts.									
Your Internal Part Number	Your Manufacturer Part Number	Manufacturer Part Number Risk Parts	Type	% Match Confidence	Your Manufacturer	Manufacturer Risk Part	D/C Risk Part	Lot # Risk Part	Description of Non-Conformance
Scrub Data1.xls									
7548984	DAC1231LCJ	DAC1231LCJ	SC	100%		NATIONAL SEMI	8632	B8632	Parts have been remarked. Marking permanency revealed a topical covering which was removable. When this substance was removed a different part number was revealed.
7548984	DAC1231LCJ	DAC1231LCJ	SC	100%		NATIONAL SEMI	9048	B9048A	Parts have been resurfaced. The top and bottom of the parts have a different texture.
7548984	DAC1231LCJ	DAC1231LCJ	SC	100%		NATIONAL SEMI	8620	B8620	Parts failed marking permanency testing. Part markings are easily removed. These parts have been resurfaced and remarked.
536235	ADS7832BN	ADS7832BN	SC	100%		BURR BROWN/TI	--	21Z35XW	Evidence of sanding, scratching, and blacktopping.
536235	ADS7832BN	ADS7832BN	HR	100%		BURR BROWN/TI	239	--	Parts rejected visually because they found different date codes, different countries of origin and soldered leads.
536235	ADS7832BN	ADS7832BN	HR	100%		BURR BROWN/TI	--	--	Parts failed electrically.
526894	BUV48C	BUV48C	SC	100%		ST Microelectronics	--	W321	Parts have been resurfaced.
5554124	HM628128LP-10	HM628128LP-10	SC	100%		Hitachi Semiconductor, Inc.	438	1002330	Parts failed marking permanency and leads are clearly refurbished. See photos.
236548	HM628512ALFP-8	HM628512ALFP-7	SC	92%		Hitachi Semiconductor, Inc.	203	01002MMD SL	Product shows evidence of over coating and some external damage so product is deemed not in new and unused condition. Product has poor electrical yield when testing and shows evidence of remarking. Product rejected at anomaly analysis.
									These parts became obsolete in 2001; the suspect devices are marked with a 0539 date code. Furthermore, die analysis revealed the parts had a Sony die from

Individual Part Screening



Home Part Sourcing Company Search Reported Companies **Reported Parts** ERAI Member Search File a Complaint BOM Scrubber Services Executive Conference Customer Support User Manual

Search High Risk Parts Submit High Risk Parts

Search High Risk Parts Database

Welcome to the ERAI High Risk Parts database. In order to search for a part, please enter at least the first three characters of the part you are searching for. If you require any assistance or have questions, please call Membership Services at 239-261-6268.

Part Number

Manufacturer

Recently Reported Alerts (last 14 days)

Part Number	Manufacturer		Date Code	Lot Code		
XC2V1500-5FG676I	XILINX	SC	0929	D2189123A		Details
PC16550DVEF	NATIONAL SEMI	SC	0218	NJ218AC		Details
MLT04GSZ	ANALOG DEVICES	SC	09			Details
CY62128BLL-70ZRI	CYPRESS SEMICONDUCTOR	SC	0413	H04649056		Details
XCR5064C-10VQ44C	XILINX	SC	0117	A11179525A		Details
MSM5416283-60GS-K	OKI SEMI	SC	2372302			Details
LLM3225-220J	TOKO AMERICA INC	SC	1046			Details
EL2070CS	ELANTEC SEMI	SC	0524			Details
XC4013E-3PQ208I	XILINX	HR	1031			Details
AM29F032B-120FI	ADVANCED MICRO DEVICES, INC	SC	0818			Details
SDED5-001G-NAT	SANDISK	SC	0803	CP0102824		Details
IXFH21N50	IXYS CORPORATION	HR	1011			Details
AD846SQ	ANALOG DEVICES	HR	0536			Details
AD767BD	ANALOG DEVICES	HR	0620/0609			Details
IS82C59A-12Z	INTERSIL	HR	1012			Details
IDT7164S35P	IDT / INTEGRATED DEVICE TECHNOLOGY	SC	0906	L40906P		Details

Example HRP Data



Home	Part Sourcing	Company Search	Reported Companies	Reported Parts	ERAIR Member Search	File a Complaint	BOM Scrubber	Services	Executive Conference	Customer Support	User Manual
------	---------------	----------------	--------------------	----------------	---------------------	------------------	--------------	----------	----------------------	------------------	-------------

[Search High Risk Parts](#) | [Submit High Risk Part](#)

Part: XC2V1500-5FG676I

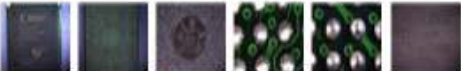
Part Number: XC2V1500-5FG676I
Manufacturer: XILINX
Date Code: 0929
Lot Code: D2189123A
Country of Origin: Taiwan
Suspect Counterfeit: Yes
Date Reported: 05/08/2012

Description of Nonconformance:

Parts were represented as new and unused, however the following nonconformities were observed during visual inspection resulting in the rejection of the entire lot:

1. Scratches are present around the COO marking along with blacktop residue.
2. Debris is present on substrate, encased in what appears to be flux.
3. Scratches are present on the device substrate within the BGA ball field.
4. Parts failed RTS screening; ghost markings visible on the device surface.

Available Images and Test/Nonconformance Reports:



[New Search](#)

Company / Vendor Search



ERAI Affiliate Demo

Company ID: 823521341

In Business Since: 04/01/04
D&B: 826937133
Cage Code: 000000
Tax/Vat: 000000
ERAI Member: YES
ERAI Member Since: 06/01/95
ERAI Membership Expiration: 06/01/13

Quality Certifications:

ISO 9001:2000 Certified: AAA1234
AS9120 Certified: AAA1234
SBA Certified Small Disadvantaged Business : AAA1234
ANSI/ESD S20.20-2007 Certified: AAA1234

COMPANY DESCRIPTION

This is an ERAI Demo account.

RELATIONSHIPS(0)

LOCATIONS(1)/CONTACTS(1)

Corporate Headquarters (Primary Location)

3899 Mannix Drive
Unit 421
Naples, FL 34114
USA

Phone 1 2392616268
Fax 1 2392619379

www.eraí.com

CONTACTS (1)

[Collapse](#)









Demo Account
demo@eraí.com

COMPLAINT ALERTS POSTED(0)

DISPUTES POSTED(0)

Reported Company Search



Reported Company Search		
<div style="text-align: right;">Expand All</div>		
<div><div></div><div>Epic International Electronics Inc.</div><div>Company ID: 673562557</div></div> <div></div>		
In Business Since: 08/13/09 ERAÍ Member: NO		
COMPANY DESCRIPTION		
Epic International Electronics is an independent distributor of passive and active electronic components.		
RELATIONSHIPS(1)		Expand 
LOCATIONS(1)/CONTACTS(2)		
Corporate Headquarters (Primary Location)	CONTACTS (2) Collapse 	
42 Tyler St Methuen, MA 01844 USA Phone 1 9786850912 Fax 1 9786850915 www.epicie.com	Lisa Picone Secretary and Treasurer Peter Picone President peterp@epicie.com Direct: 1 9786850912 114	
COMPLAINT ALERTS POSTED(4)		
03/20/12	Suspect Counterfeit Product (Broadcasted Resolved)	Expand 
10/18/11	Suspect Counterfeit Product (Broadcasted Resolved)	Expand 
10/18/11	Suspect Counterfeit Product (Broadcasted Resolved)	Expand 
09/30/11	Suspect Counterfeit Product (Broadcasted Resolved)	Expand 
DISPUTES POSTED(0)		

Thank You



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