

ALERTS MANAGEMENT

- ALERT management is an essential risk management activity.
- A proper and early identification of items affected by alerts at the early possible stage allows to implement a risk mitigation plan including, among other options:
 - Selection of alternative devices.
 - Implementation of the required design modifications to minimize the impact on the equipment.
 - Implementation of the correct procurement and post procurement activities to ensure the suitability of the items for the intended application.

The critical path on the alerts management is the problem identification and their visibility to the supply chain.

- ALTER registers alerts and problems notification from many different sources:
 - ESA alerts database.
 - GIDEP alerts openly distributed.
 - Industry notifications.
 - Suppliers notifications
 - Our own experience (based on actual procurement and testing performance).
- All those data are registered and treated with the required confidential level.

Any item treated in ALTER, either during pre-procurement or procurement phase is verified against this alert database and the required risk management actions are defined.

- Any register is analyzed in order to:
 - Identify the dimension of the problem.
 - Generate internal actions ensuring the monitoring of any implication.
 - Identification of parts affected and programmes where those parts were used (including users affected).
 - Information to the users including (whenever possible) risk mitigation activities.

All the information originated during the alert treatment is included in a centralized database allowing easy access to the complete register.

TLc. Alerts management. - [General]

Tecnologica COMPONENTES ELECTRÓNICOS S.A. **Alerts management** GENERAL DATA

v 2.1.5 Logged user DCRUZ

Administration Tools | Delete | Undo | New | Save | Edit | ↕

Alerts

Control ID: [Autonumérico]

Alert Categories: [Dropdown]

Problem Type: [Alerts] Problems Type maintenance

External Ref.: [Field]

Date: [Field]

Data created by: [DCRUZ]

Internal Ref.: [Field]

Summary: [Field]

Problem Category: [Factory problem]

Problem Description: [Field]

Internal Remarks: [Field]

General alternatives: [Field]

Manufacturer: [TBD]

Data Status: [Pending]

Deleted / Active: [Active]

Access Level: [Internal TL Data]

Causes maintenance

ALERT DESCRIPTION

ALERT STATUS

SEVERAL DATA ABOUT ALERT: TYPE (ALERT, RISK, PCN...), ORIGIN (ESA, GIDEP, MFR...) AND REFERENCE.

DATE OF RECORD, USER AND INTERNAL REFERENCE (AUTOMATIC FIELD)

WEB DOCUMENT MANAGER (TOOL TO LINK APPLICABLE DOCUMENTS)

ACCES TO CATALOGUE (TOOL TO MARK AFFECTED PARTS)

Related Documents [696] | Actions [0] | Load parts from Catalogue [0] * | Parts affected | Alternate parts

* Includes basic and range components.

CATALOGO : Formulario

Tecnologica COMPONENTES ELECTRÓNICOS S.A.

Alerts management PARTS CATALOGUE v 2.1.5

Back Forward

ALERT ITEM DATA

Reference	Date	TL Internal Ref	Description
EA-2003-EEE-05	16/07/2003	TL-KM-AL-31/2003	RT54SX-S ICCI INRUSH CURRENT

ALERT DATA

CATALOGUE: Max 37687-Microcircuits

Standard Parts

Reset Form Search Components **Add Group**

MARK THE SELECTED PARTS AS AFFECTED

Current Selection:

BASIC SEARCH

Quality System / Level: All / All ?

Manufacturer: **Detailed Specification**

Click [here](#) to set Detailed Specification

Style

Click [here](#) to set Style

Multiselect 'Ctrl + Click'. Max Selection: 3 Mnfrs.

SEVERAL SEARCH CRITERIA: MFR, DETAIL SPECIFICATION, STYLE...

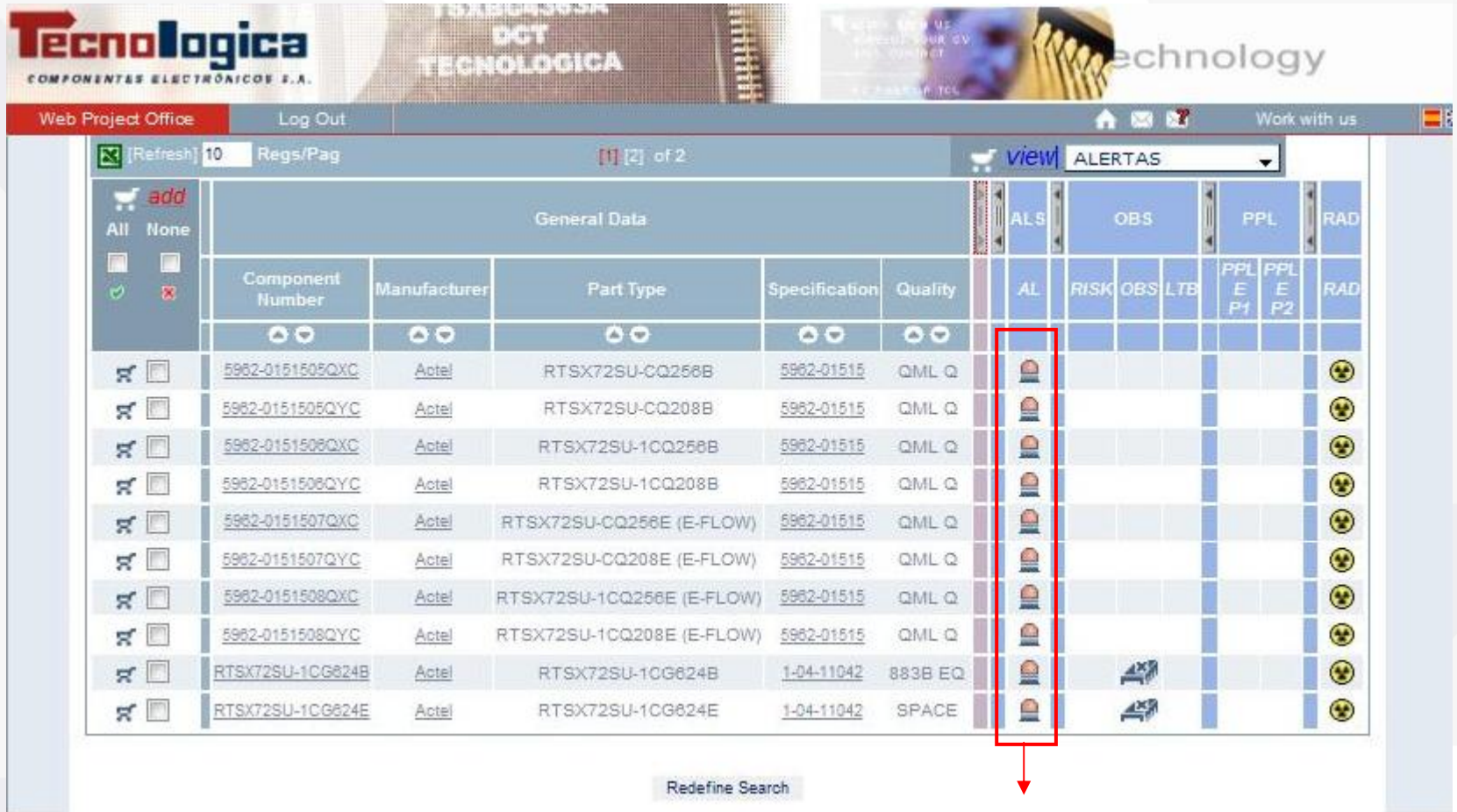
DIRECT SEARCH

Component Number Exact Note: Advanced parametric and additional search criteria will not apply





















Part Type

- The access to the information is centralized through the Tecnologica EEE Parts Catalogue.
- This catalogue contains:
 - All qualified parts for space applications (ESA QPL, EPPL, MIL QPL/QML, etc.).
 - Parts identified at Alter Spain as space level available regardless their qualification status.
 - Parts formerly procured by Alter Technology.
 - Parts included in customers DCLs (as available).

EEE Parts Catalogue contains all the available technical information on the products, providing specific advises and notifications on parts affected by alerts, allowing their earliest identification.






Web Project Office Log Out [Refresh] 10 Regs/Pag [1] [2] of 2 view ALERTAS

General Data						ALS	OBS	PPL	RAD		
Component Number	Manufacturer	Part Type	Specification	Quality	AL	RISK	OBS	LTB	PPL E P1	PPL E P2	RAD
5962-0151505QXC	Actel	RTSX72SU-CQ256B	5962-01515	QML Q							
5962-0151505QYC	Actel	RTSX72SU-CQ208B	5962-01515	QML Q							
5962-0151506QXC	Actel	RTSX72SU-1CQ256B	5962-01515	QML Q							
5962-0151506QYC	Actel	RTSX72SU-1CQ208B	5962-01515	QML Q							
5962-0151507QXC	Actel	RTSX72SU-CQ256E (E-FLOW)	5962-01515	QML Q							
5962-0151507QYC	Actel	RTSX72SU-CQ208E (E-FLOW)	5962-01515	QML Q							
5962-0151508QXC	Actel	RTSX72SU-1CQ256E (E-FLOW)	5962-01515	QML Q							
5962-0151508QYC	Actel	RTSX72SU-1CQ208E (E-FLOW)	5962-01515	QML Q							
RTSX72SU-1CG624B	Actel	RTSX72SU-1CG624B	1-04-11042	883B EQ							
RTSX72SU-1CG624E	Actel	RTSX72SU-1CG624E	1-04-11042	SPACE							

Redefine Search

PARTS AFFECTED WITH SOME ALERTS. CLICK ON THE ICON TO ACCEDE TO THE COMPLETE INFORMATION

▶ Component Number	5962-9688701HXA	▶ Quality Level				
▶ MFR/C	DDC I	▶ Name				
▶ Parttype	BU-61582D1-140	▶ Style	BU-61582			
						
TECHNOLOGY / CHARACTERISTICS Microcircuit, Hybrid, Linear, MIL-STD-1553, BC/RTU/MT, Multiplexed Terminal						
SPECIFICATIONS SUMMARY						
▶ Generic Specification	MIL-PRF-38534	▶ Issue	F ▶ Rev -			
▶ Detailed Specification	5962-96887	▶ Issue	F ▶ Rev -			
▶ Applicable Documents	VIEW					
APPROVAL STATUS						
▶ Qualified Part:	N (This component is not qualified)	▶ Certificate Number:	QML-38534 REV 58			
<div style="display: flex; justify-content: space-between; margin-bottom: 5px;"> Export Licenses Purchase Opp TL Previous Use Tests & Inspections RFI Radiations </div> <div style="display: flex; justify-content: space-between;"> Characteristics Alternatives Alerts Obsolescence Declared Comp Lists </div>						
Category	Reference	Date	TL Internal Ref	Description	More Data	Affected Parts
TLc Alerts	CNES_1121	14/03/2008	TL-KM-AL-45/2008	For DDC's SPACE and SPACE II products only when used in the 8-bit buffered non-zero wait mode.		

YOU CAN SEE THE INFORMATION IN THIS LABEL

CLICK HERE TO OBTAIN ALL DATA AND DOCUMENTS

PartLists/Detail/Alerts

1 Records Found Close All [1]

Manufacturer	Alert Ext. Ref	Internal Ref.	Title
Atmel	EA-2006-EEE-03	TL-KM-AL-63/2006	ERC32 Single Chip and ERC32 Chip Set stored data corruption following specific SPARC instruction sequences

Description (1 Records)

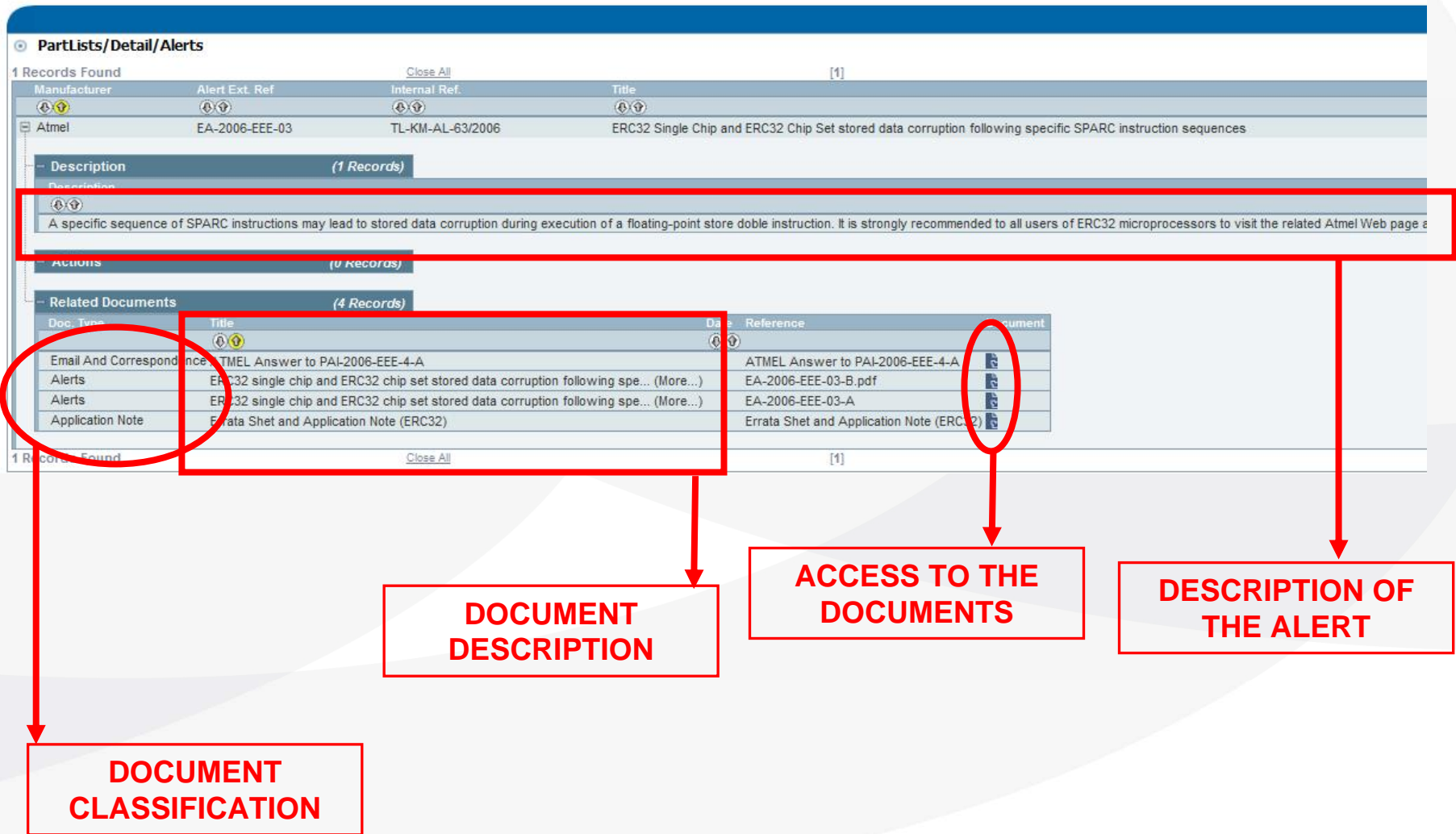
A specific sequence of SPARC instructions may lead to stored data corruption during execution of a floating-point store double instruction. It is strongly recommended to all users of ERC32 microprocessors to visit the related Atmel Web page

Actions (0 Records)

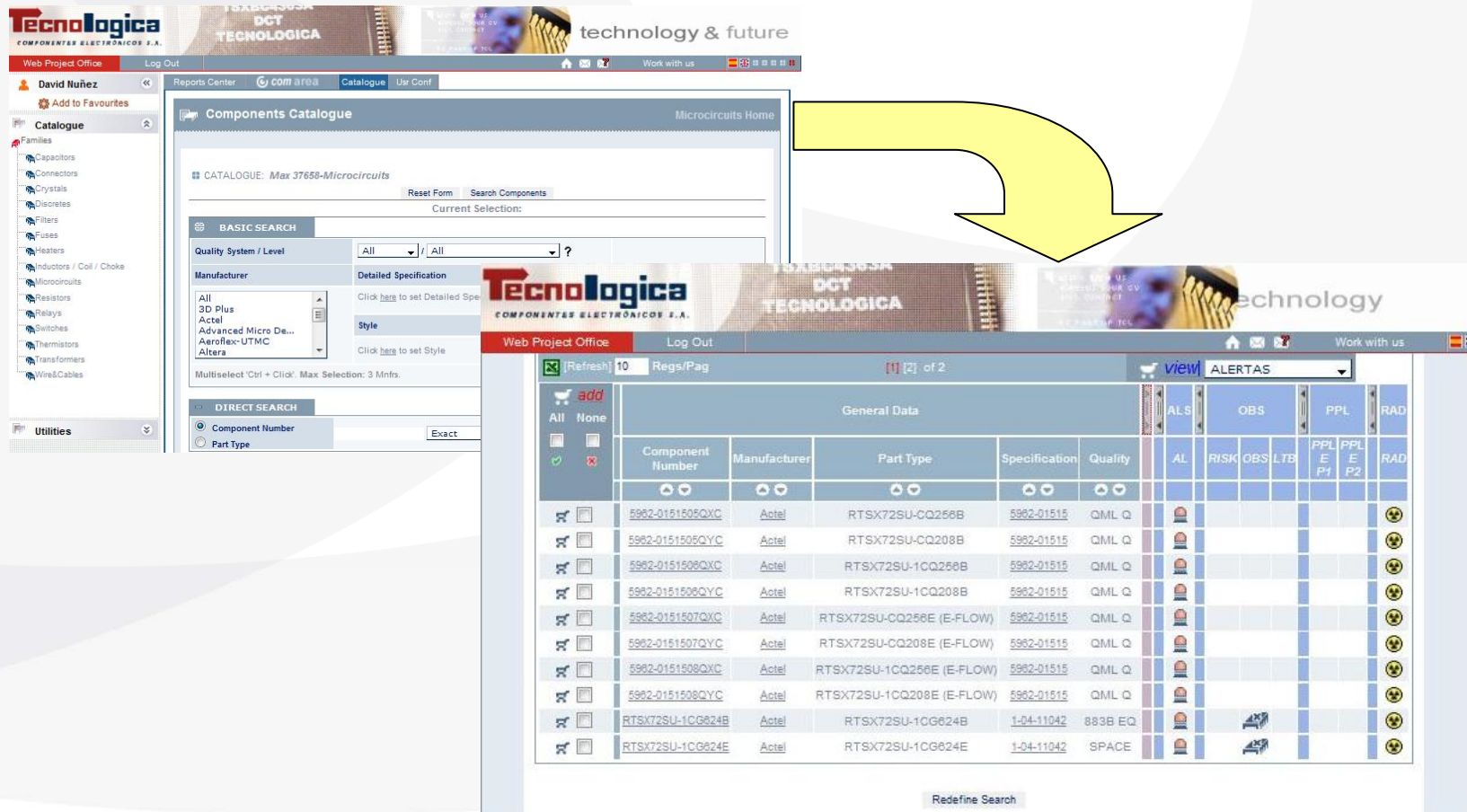
Related Documents (4 Records)

Doc. Type	Title	Date	Reference	Document
Email And Correspondence	ATMEL Answer to PAI-2006-EEE-4-A		ATMEL Answer to PAI-2006-EEE-4-A	
Alerts	ERC32 single chip and ERC32 chip set stored data corruption following spe... (More...)		EA-2006-EEE-03-B.pdf	
Alerts	ERC32 single chip and ERC32 chip set stored data corruption following spe... (More...)		EA-2006-EEE-03-A	
Application Note	Errata Sheet and Application Note (ERC32)		Errata Sheet and Application Note (ERC32)	

1 Records Found Close All [1]



- EEE Parts in the catalogue can be sorted by different ways:
 - Access to specific registers.



The screenshot shows the 'Components Catalogue' interface. On the left is a navigation menu with categories like Capacitors, Connectors, Crystals, etc. The main area has search filters for 'Quality System / Level' and 'Manufacturer'. A yellow arrow points from the search area to a detailed table of parts.

General Data						ALS	OBS			PPL		RAD
Component Number	Manufacturer	Part Type	Specification	Quality	AL	RISK	OBS	LTB	PPL E P1	PPL E P2	RAD	
5982-0151509QXC	Actel	RTSX72SU-CQ256B	5982-01515	QML Q							☹	
5982-0151505QYC	Actel	RTSX72SU-CQ208B	5982-01515	QML Q							☹	
5982-0151508QXC	Actel	RTSX72SU-1CQ256B	5982-01515	QML Q							☹	
5982-0151508QYC	Actel	RTSX72SU-1CQ208B	5982-01515	QML Q							☹	
5982-0151507QXC	Actel	RTSX72SU-CQ256E (E-FLOW)	5982-01515	QML Q							☹	
5982-0151507QYC	Actel	RTSX72SU-CQ208E (E-FLOW)	5982-01515	QML Q							☹	
5982-0151508QXC	Actel	RTSX72SU-1CQ256E (E-FLOW)	5982-01515	QML Q							☹	
5982-0151508QYC	Actel	RTSX72SU-1CQ208E (E-FLOW)	5982-01515	QML Q							☹	
RTSX72SU-1CG624B	Actel	RTSX72SU-1CG624B	1-04-11042	883B EQ							☹	
RTSX72SU-1CG624E	Actel	RTSX72SU-1CG624E	1-04-11042	SPACE							☹	

➤ Users/programme list treatment

Report Filter

▶ User Part Code	All	▶ Customer Parttype	All
▶ Customer Mfrc	Actel	▶ Proposed Mfrc	All
▶ OBS	All	▶ Alerts	Y
▶ RAD	All	▶ TR	All
▶ Export License	All	▶ Direct Alt.	All
▶ Critical	All		

4 Records Found Close All

Tool	User Part Code	Customer Parttype	Customer Mfrc	Proposed Partnumber	Proposed Mfrc	Catalogue Parttype	OB	Alerts	RAD	TR	Export License	Direct Alt.	Notes	Critical
+	0322	A54SX32S-CQ208E	Actel	5962-0150803QYC	Actel	RT54SX32S-CQ208E	Y	Y	Y	N	N	N	Please, confirm RTSX32	
+	0323	A54SX72A	Actel	A54SX72A-TQ208I	Actel	A54SX72A-TQ208I	N	Y	N	N	N	N		
+	1014	RT54SX32S-CQ208E	Actel	5962-0150803QYC	Actel	RT54SX32S-CQ208E	Y	Y	Y	N	N	N		
+	1015	RTSX72SU	Actel	5962-0151506QYC	Actel	RTSX72SU-1CQ208B	N	Y	Y	N	N	N		

4 Records Found Close All

A specific list can be controlled and specifically surveyed, paying special attention to the alerts status allowing continuous control recording actions taken and alerts appearance during the complete life cycle.

- **The proposed structure allows Alter to:**
 - **Maintain strict control on alerts and problem notification, identifying affected parts (including restrictions –i.e. date code), risk management requirements and alert status.**
 - **Proactive approach during pre-procurement phase.**
 - **Early notification during the whole operative life of the products.**
 - **Surveillance activities on programmes and/or selected users.**
 - **Appropriate technical management and support adapted to each programme need.**