



BOM Risk Module

A Windchill Data Extension Tool

> Bad data will result in product issues...



Obsolete Parts



Compliance Issues
(RoHS, REACH, Conflict Mineral)



Inadequate Stock

...SiliconExpert keeps your data clean and allows you to stay one step ahead of the risks.

> SiliconExpert CONNECT BOM Risk is Embedded in Windchill!



windchill®



New “SiliconExpert BOM Risk” application integration

BOM Load



Processed BOM returned identified risk

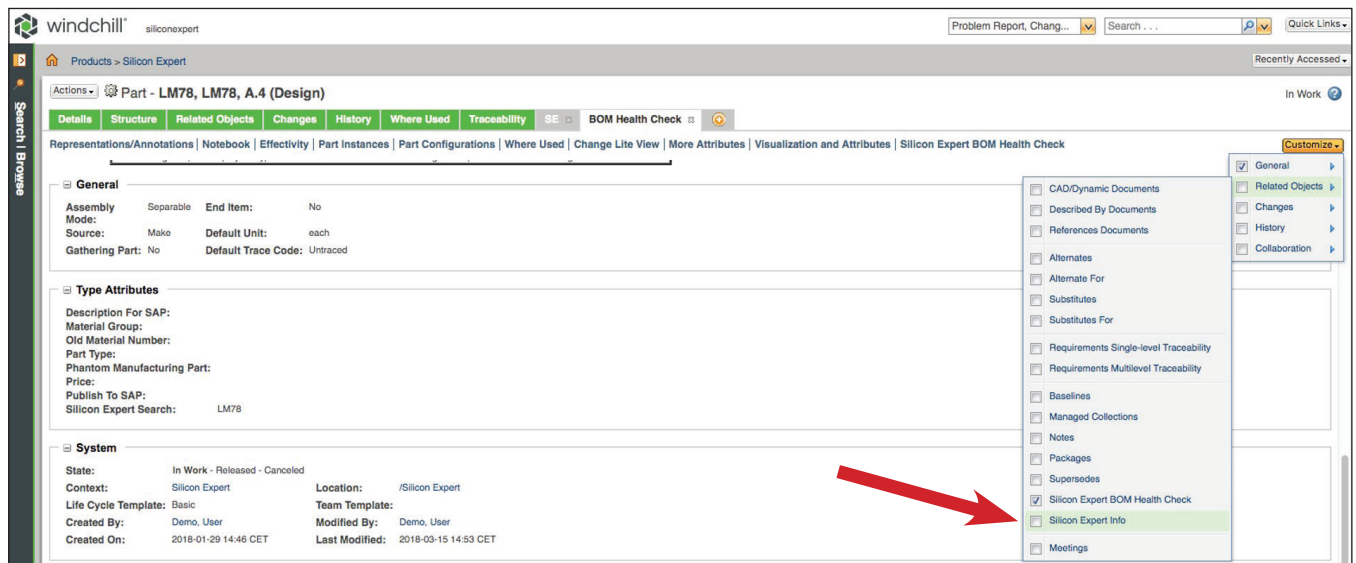


SILICONEXPERT

Over 1 billion components
Lifecycle, classification, compliance, technical parameters, crosses, stock & pricing data

> Click “SiliconExpert BOM Check” button to initiate request...

...Upon click, your parts will be sent to SiliconExpert to process.



The screenshot shows the Windchill interface for a part named 'Part - LM78, LM78, A.4 (Design)'. The 'BOM Health Check' button is highlighted in the top navigation bar. A red arrow points to the 'Silicon Expert BOM Health Check' option in the dropdown menu that appears when the button is clicked. The dropdown menu also includes options like 'General', 'Related Objects', 'Changes', 'History', 'Collaboration', 'CAD/Dynamic Documents', 'Described By Documents', 'References Documents', 'Alternates', 'Alternate For', 'Substitutes', 'Substitutes For', 'Requirements Single-level Traceability', 'Requirements Multilevel Traceability', 'Baselines', 'Managed Collections', 'Notes', 'Packages', 'Supersedes', 'Silicon Expert BOM Health Check', 'Silicon Expert Info', and 'Meetings'.

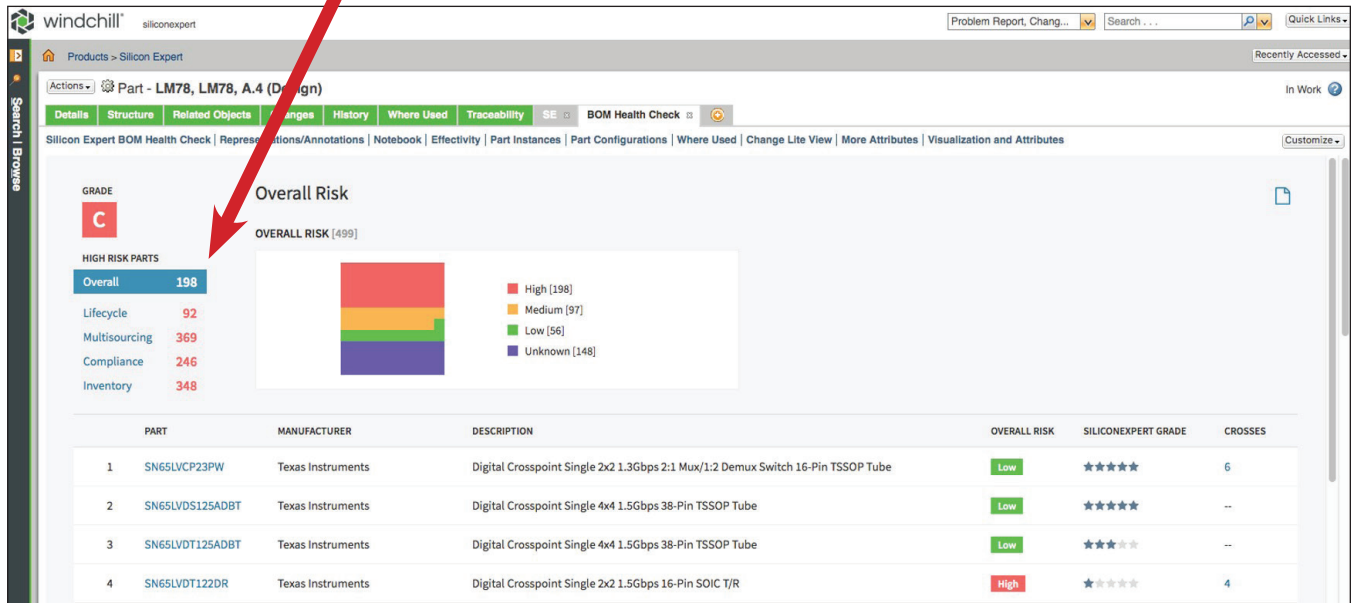
For Information on all SiliconExpert Tools, go to: SiliconExpert.com

SiliconExpert CONNECT: BOM Risk Module

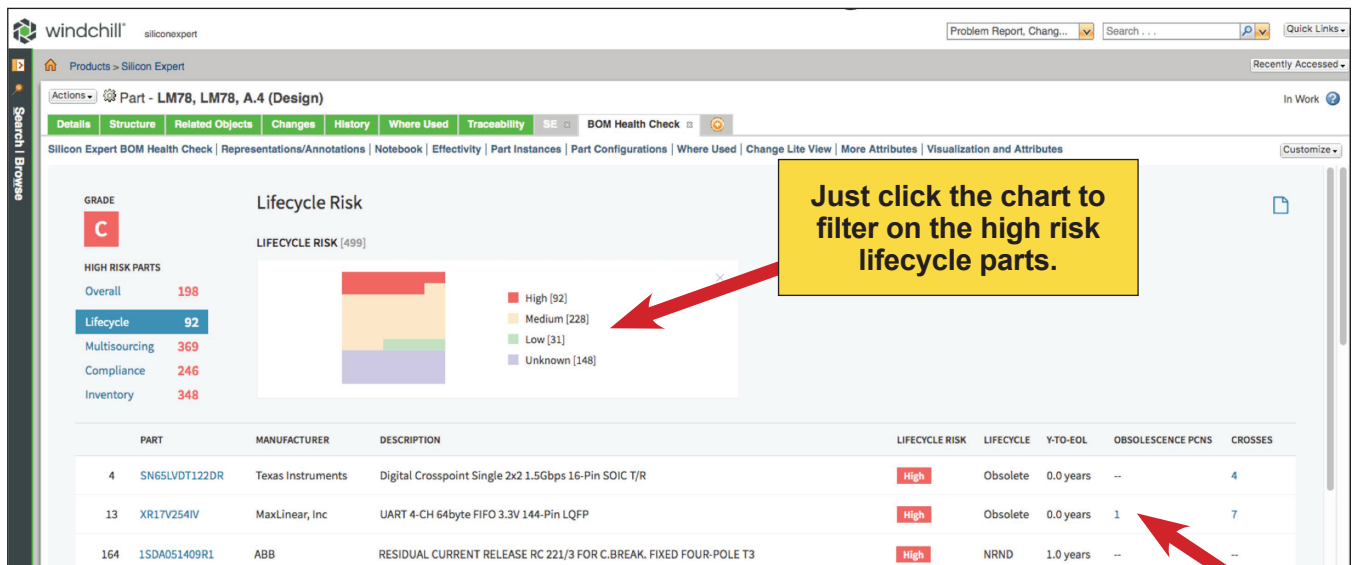
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> Processed BOM Returned Identifying Risk

There are a number of parts with high lifecycle, compliance and inventory risk.



> You Can Easily Focus on High Risk Parts



SiliconExpert developed its own algorithm forecasting how many years to end-of-life are expected for each part.



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> Focus on Compliance Risk

RoHS and REACH statuses shown for each

PART	MANUFACTURER	DESCRIPTION	ENVIRONMENTAL RISK	ROHS	REACH	CROSSES	
13	XR17V254IV	MaxLinear, Inc	UART 4-CH 64byte FIFO 3.3V 144-Pin LQFP	High	No 2011/65/EU	Unaffected	7
14	MS3114H14C19PN	Amphenol	Conn Circular PIN 19 POS Solder ST Jam Nut 19 Terminal 1 Port	High	No 2011/65/EU	Unknown	--
18	CA06R249PWFO	ITT Corporation	Conn Circular PIN 2 POS Solder ST Cable Mount 2 Terminal 1 Port	High	No 2011/65/EU	Unaffected	--
19	CA06R249PW42	ITT Corporation	Conn Circular PIN 2 POS Solder ST Cable Mount 2 Terminal 1 Port	High	No 2011/65/EU	Unaffected	--

> Discover Parts with Inventory Issues

Click here to discover similar parts to be considered for replacement

PART	MANUFACTURER	DESCRIPTION	INVENTORY RISK	INVENTORY	BUDGETARY PRICES	CROSSES	
4	SN65LVD122DR	Texas Instruments	Digital Crosspoint Single 2x2 1.5Gbps 16-Pin SOIC T/R	High	--	--	4
8	370000	Amphenol	Conn Circular PIN 4 POS ST Cable Mount 4 Terminal 1 Port Individual	High	--	Min: \$22.98 Avg: \$22.98	--
10	V5512QGT	Integrated Device Technology	WIDE BANDWIDTH VIDEO SIGNAL SWITCH, 5 PORT	High	--	--	2
12	XR16V698IQ100	MaxLinear, Inc	UART 8-CH 32byte FIFO 2.5V/3.3V 100-Pin PQFP	High	--	--	2



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SiliconExpert CONNECT: BOM Risk Module

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> Crosses Show Similar Parts To Be Considered

The screenshot shows the Windchill SiliconExpert interface for a BOM Health Check. The main content area displays a table of crosses for the part SN65LVDT122DR. The table has columns for PART, MANUFACTURER, DESCRIPTION, LIFECYCLE, ROHS, CROSS, and DIFFERENCE. There are 4 crosses listed.

PART	MANUFACTURER	DESCRIPTION	LIFECYCLE	ROHS	CROSS	DIFFERENCE
SN65LVDT122DR	Texas Instruments	Digital Crosspoint Single 2x2 1.5Gbps 16-Pin SOIC T/R	Obsolete	2011/65/EU, 2015/863	N/A	N/A
4 crosses						
PART	MANUFACTURER	DESCRIPTION	LIFECYCLE	ROHS	CROSS	DIFFERENCE
NB6L72MN	ON Semiconductor	Digital Crosspoint Single 2x2 3Gbps 16-Pin QFN EP Rail	Unconfirmed	No 2011/65/EU, 2015/863	D	Difference in: Pkg.
NB6L72MNG	ON Semiconductor	Digital Crosspoint Single 2x2 3Gbps 16-Pin QFN EP Tube	Active	2011/65/EU, 2015/863	D	Difference in: Pkg.
NB6L72MNR2G	ON Semiconductor	Digital Crosspoint Single 2x2 3Gbps 16-Pin QFN EP T/R	Active	2011/65/EU, 2015/863	D	Difference in: Pkg.
SN65LVDT122D	Texas Instruments	Digital Crosspoint Single 2x2 1.5Gbps 16-Pin SOIC Tube	Active	2011/65/EU, 2015/863	Packaging(Tube)	N/A

> You Can View All the Details for a Part

The screenshot shows the detailed view for part SN65LVDT122DR. The interface includes tabs for OVERVIEW, TECHNICAL, COMPLIANCE, SUPPLYCHAIN, RISK, and HISTORY. A callout box points to the tabs with the text: "Each tab shows a breakdown of the types of data available. SiliconExpert tracks over 500 component attributes."

Identifying

Part	SN65LVDT122DR
Manufacturer	Texas Instruments
Manufacturer Cage Code	01295
Family Name	SN65LVDT122
Taxonomy Path	Electronic Switches >> Crosspoints >> Digital Crosspoint
Description	Digital Crosspoint Single 2x2 1.5Gbps 16-Pin SOIC T/R
SiliconExpert Grade	★ ★ ★ ★ ★
Part Image	View Image
Introduction Date	Feb 1, 2005
Date Updated	Aug 18, 2010

Miscellaneous

RoHS	2011/65/EU, 2015/863
Lifecycle	Obsolete
Lifecycle Code	6: Obsolete
Rad Hard	No
HTSUSA	8542390001
ScheduleB	8542390000
ECCN	EAR99
Automotive	No
AEC Qualified	No
PPAP	N/A



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