

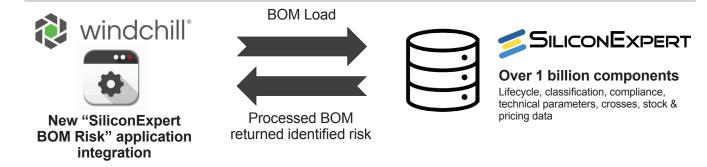


> Bad data will result in product issues...



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

> SiliconExpert CONNECT BOM Risk is Embedded in Windchill!



> Click "SiliconExpert BOM Check" button to initiate request...

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

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Products > Silicon Expert			Recently Act	cces
🗠 🖓 Part - LM78, LM78, A.4 (I	Jesign)		In Wo	/ork
Details Structure Related Objects C	hanges History Where Used Traceability SE 🛛 BOM Health Check 🕸 🧿			
epresentations/Annotations Notebook Effe	ctivity Part Instances Part Configurations Where Used Change Lite View More Attributes Visualiz	ation and Attributes Silicon Expert BOM Health Check	Custo	tomi
	v 1 v 1		General	
⊟ General		CAD/Dynamic Documents	Related Obje	ects
Assembly Separable End Item:	No	Described By Documents	Changes	
Mode: Source: Make Default Unit:	each	References Documents	History	
Gathering Part: No Default Trace C	ode: Untraced	Alternates	Collaboration	n
		Alternate For		_
Type Attributes		Substitutes		
Description For SAP:		Substitutes For		
Material Group: Old Material Number:				
Part Type:		Requirements Single-level Traceability		
Phantom Manufacturing Part: Price:		Requirements Multilevel Traceability		
Publish To SAP:		Baselines		
Silicon Expert Search: LM78		Managed Collections		
		Notes	-	
System		Packages		
State: In Work - Released - Ca		Supersedes		
Context: Silicon Expert	Location: /Silicon Expert	Silicon Expert BOM Health Check		
Life Cycle Template: Basic Created By: Demo, User	Team Template: Modified By: Demo, User	Silicon Expert Info		
Created On: 2018-01-29 14:46 CET	Last Modified: 2018-03-15 14:53 CET			
		Meetings		

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

SiliconExpert CONNECT: BOM Risk Module

An Windchill Data Extension Tool

> Processed BOM Returned Identifying Risk

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

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GRADE		Overall Risk					1	
HIGH RISI	K PARTS							
Overall	198		High [198]					- 1
Lifecycle			Medium [97]					
Multisou			Unknown [148]					
Inventor								
	1 07.070							_
	PART	MANUFACTURER	DESCRIPTION		OVERALL RISK	SILICONEXPERT GRADE	CROSSES	_
1	SN65LVCP23PW	Texas Instruments	Digital Crosspoint Single 2x2 1.3Gbps 2:1 Mux/1:2 Demi	ux Switch 16-Pin TSSOP Tube	Low	****	6	
2	SN65LVDS125ADBT	Texas Instruments	Digital Crosspoint Single 4x4 1.5Gbps 38-Pin TSSOP Tul	be	Low	****	~	
3	SN65LVDT125ADBT	Texas Instruments	Digital Crosspoint Single 4x4 1.5Gbps 38-Pin TSSOP Tul	be	Low	*****		
4	SN65LVDT122DR	Texas Instruments	Digital Crosspoint Single 2x2 1.5Gbps 16-Pin SOIC T/R		High	*ekk	4	

> You Can Easily Focus on High Risk Parts

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n Pr	oducts > Si	licon Expert							Recen	ntly Acce
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	GRADE		Lifecycle Risk		filter on	ck the ch the hig	h risk		C	٩
	HIGH RISK	PARTS			litec	ycle par	ts.			
	Overall Lifecycle			High [92] Medium [228] Low [31]						
	Multisour Compliar Inventor	nce 246		Unknown [148]						
		PART	MANUFACTURER	DESCRIPTION	LIFE	CYCLE RISK LIFECYCLE	Y-TO-EOL	OBSOLESCENCE PCNS	CROSSES	
	4	SN65LVDT122DR	Texas Instruments	Digital Crosspoint Single 2x2 1.5Gbps 16-Pin SOIC T/R	ні	h Obsolete	0.0 years	-	4	
	13	XR17V254IV	MaxLinear, Inc	UART 4-CH 64byte FIFO 3.3V 144-Pin LQFP	Нір	h Obsolete	0.0 years	1	7	
			ABB	RESIDUAL CURRENT RELEASE RC 221/3 FOR C.BREAK. FIXE	D FOUR-POLE T3 Hig	h NRND	1.0 years			

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



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

SiliconExpert CONNECT: BOM Risk Module

An Windchill Data Extension Tool

> Focus on Compliance Risk

Details Struct	rt - LM78, LM78, A ture Related Objects	Changes History	Where Used Traceability SE BOM Health Check Co xlebook Effectivity Part Instances Part Configurations Where Used Change Lit Configurations Where Used	statuse	and REAC s shown f each	_	Recently Acce
GRADE C HIGH RISK P Overall Lifecycle Multisourc Compliant Inventory	198 92 cing 369 ce 246	Compliance Risk	High [246] Medium [101] Low [115] Unknown [37]			,	Ľ
-	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	
	CA06R249PWF0	ITT Corporation	Conn Circular PIN 2 POS Solder ST Cable Mount 2 Terminal 1 Port	High	No 2011/65/EU	Unaffected	2
18							

> Discover Parts with Inventory Issues

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Products > S	ilicon Expert						Recently Acc
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GRADE C HIGH RISI Overall Lifecycld Multisou	198 92	Inventory Risk	× High (348) Medium (11) Low (103)	sim be co	ilar pa	ered for	Ľ
Complia	nce 246		Unknown [37]				
	PART	MANUFACTURER	DESCRIPTION	INVENTORY RISK	INVENTORY	BUDGETARY PRICES	CROSSES
4	SN65LVDT122DR	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	VS512QGT	Integrated Device Technology	WIDE BANDWIDTH VIDEO SIGNAL SWITCH, 5 PORT	High	ω.		2



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

SiliconExpert CONNECT: BOM Risk Module

An Windchill Data Extension Tool

> Crosses Show Similar Parts To Be Considered

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Products > Silicon E	xpert									Recent	ly A
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С									27.5		
HIGH RISK PA	Mas	k Part	SN	55LVDT122D%							
Overall											
Lifecycle											
Multisourcir	Crosses										
Inventory	This Part										
		PART	MANUFACTURER	DESCRIPTION	LIFECYCLE	ROHS	CROSS	DIFFERENCE			
-	•	SN65LVDT122DR	Texas Instruments	Digital Crosspoint Single 2x2 1.5Gbps 16-Pin SOIC T/R	Obsolete	QC 2011/65/EU, 2015/863	N/A	N/A		SSES	
4											
8	4 crosses	200302				10000	canadara		-		
10		PART	MANUFACTURER	DESCRIPTION	LIFECYCLE	ROHS	CROSS	DIFFERENCE	-		
	\$	NB6L72MN	ON Semiconductor	Digital Crosspoint Single 2x2 3Gbps 16-Pin QFN EP Rail	Unconfirmed	O No 2011/65/EU	D	Difference in: Pkg.			
12	\$	NB6L72MNG	ON Semiconductor	Digital Crosspoint Single 2x2 3Gbps 16-Pin QFN EP Tube	Active	QO 2011/65/EU, 2015/863	D	Difference in: Pkg.			
13	\$	NB6L72MNR2G	ON Semiconductor	Digital Crosspoint Single 2x2 3Gbps 16-Pin QFN EP T/R	Active	Q011/65/EU, 2015/863	D	Difference in: Pkg.			
14		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

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Products > Silicon E	xpert				Recently Acces
ctions - 🕼 Part - I	_M78, LM78, A.4 (Design)				In Work
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GRADE	· · · · · · ·				
С				Each tab shows a	
HIGH RISK PA			C	of the types of da	ta availab
Overall	SN65LVDT122D	R	5	SiliconExpert trac	cks over 5
Lifecycle	Texas Instruments			component at	
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Compliance	OVERVIEW TECHNICAL COMP	PLIANCE SUPPLYCHAIN RISK HISTORY			
Inventory					-
Inventory	Identifying		Miscellaneous		SSES
Inventory 4	Identifying Part	SN65LVDT122DR	Miscellaneous RoHS ①	♀ 2011/65/EU, 2015/663	SSES
		SN65LVDT122DR Texas Instruments		@ 2011/65/EU, 2015/863 Obsolete	SSES
4 8	Part		RoHS ⑦	2015/863	SSES
4	Part Manufacturer	Texas Instruments	RoHS ⑦ Lifecycle ⑦	2015/863 Obsolete	SSES
4 8	Part Manufacturer Manufacturer Cage Code	Texas Instruments 01295	RoHS ① Lifecycle ① Lifecycle Code	2015/863 Obsolete 6: Obsolete	SSES
4 8 10 12	Part Manufacturer Manufacturer Cage Code Family Name	Texas Instruments 01295 SN65LVDT122	RoHS ① Lifecycle ① Lifecycle Code Rad Hard	2015/863 Obsolete 6: Obsolete No	SSES
4 8 10	Part Manufacturer Manufacturer Cage Code Family Name Taxonomy Path	Texas Instruments 01295 SN65LVDT122 Electronic Switches >> Crosspoints >> Digital Crosspoint	RoHS ① Lifecycle ① Lifecycle Code Rad Hard HTSUSA ①	2015/863 Obsolete 6: Obsolete No 8542390001	SSES
4 8 10 12	Part Manufacturer Manufacturer Cage Code Family Name Taxonomy Path Description	Texas Instruments 01295 SN65LVDT122 Electronic Switches >> Crosspoints >> Digital Crosspoint Digital Crosspoint Single 2x2 1.5Gbps 16-Pin SOIC T/R	RoHS ① Lifecycle ③ Lifecycle Code Rad Hard HTSUSA ③ ScheduleB ①	2015/863 Obsolete 6: Obsolete No 8542390001 8542390000	SSES
4 8 10 12 13	Part Manufacturer Manufacturer Cage Code Family Name Taxonomy Path Description SiliconExpert Grade ⁽³⁾	Texas Instruments 01295 SN65LVDT122 Electronic Switches >> Crosspoints >> Digital Crosspoint Digital Crosspoint Single 2x2 1.5Gbps 16-Pin SOIC T/R ★★★★★	RoHS ⑦ Lifecycle ③ Lifecycle Code Rad Hard HTSUSA ⑦ ScheduleB ⑦ ECCN ⑦	* 2015/863 Obsolete 6: Obsolete No 8542390001 8542390000 EAR99	SSES



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