

# Supply Chain

Real-time sourcing intelligence  
increases time for innovation

four®

Olivier ARNAUD  
Applications Engineer Consultant  
Siemens EDA

10 NOVEMBER **D&E**  
Van der Valk **event**  
Hotel Eindhoven **2021**

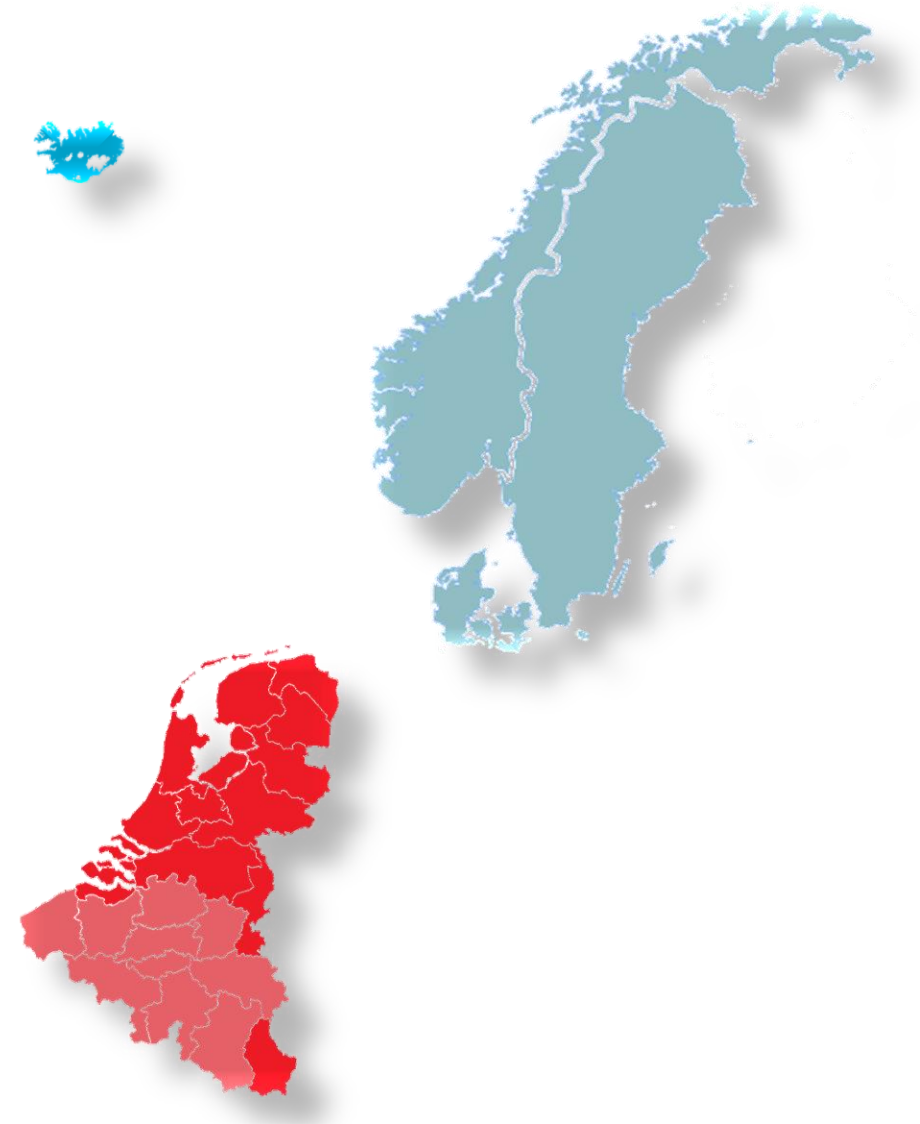
# Agenda

- InnoFour
- Product Scope
- Product Added Value
- Product Demo
- Q&A



# InnoFour

- Siemens and Siemens EDA Channel Partner
- Active territories: Benelux and Scandinavia
- 15 persons
- Headquarters in Almelo (The Netherlands)
- Offices in Stockholm, Lund (Sweden) and Oslo, Stavanger (Norway)
- Focus on EDA, PLM and ALM





# Product Scope

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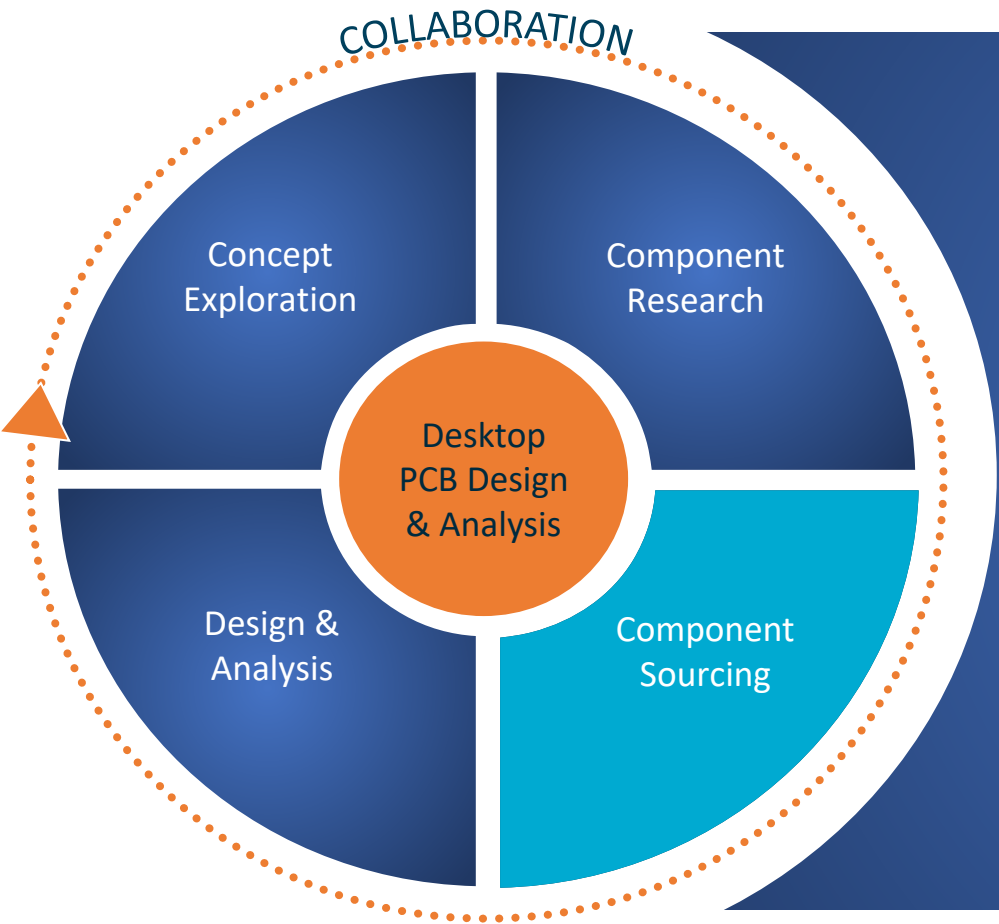
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# Fully Integrated Ecosystem Solution

## Accelerating Electronic Systems Design



- Ecosystem solution that amplifies desktop tool productivity
- Comprehensive suite of value-add applications
- One **fully integrated platform** for electronic systems design with improved collaboration
- Customer Benefits
  - Intelligence to make more informed decisions
  - Improved collaboration throughout design process
  - A streamlined design process by shortening dependencies
  - Improved “first-time” success rate
  - Greater team productivity
- **Consistent with Siemens EDA *shift-left* methodology**

# Fully Integrated Ecosystem - Supply Chain

## Component Sourcing

Powered by Supplyframe

Provides access to real-time component sourcing data from over 80 suppliers

- Component Pricing
- Availability
- Compliance
- Lifecycle

Links to component supplier datasheets

Status indicators alert the user to potential risks

**More resilient supply  
more profitable growth**



Powered by breakthrough Design-to-Source Intelligence (DSI), Supplyframe's AI-based SaaS solutions enable previously impossible Insights and decision support that bring new levels of resiliency and performance to the global electronics value chain.

HQ: Pasadena, CA (supplyframe.com) Founded 2003





# Product Added Value

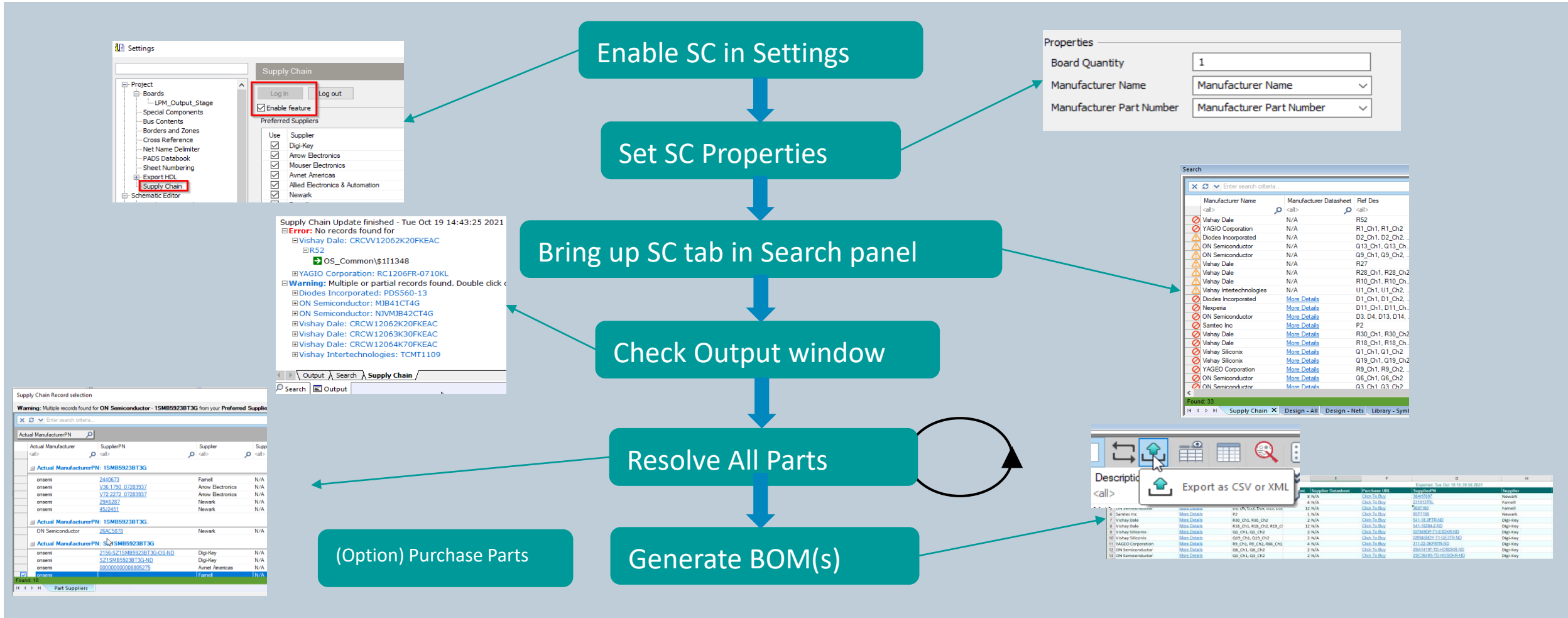
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# Supply Chain Flow at a glance

## SC stands for Supply Chain





# Fully Integrated within Search Panel

## New "Supply Chain" tab

The screenshot displays the software's search panel and a callout window. The main search panel shows a list of search results with the following columns: Manufacturer Name, Manufacturer Datasheet, Ref Des, Part Count, Supplier Datasheet, Purchase URL, SupplierPN, Supplier, Description, Unit Stock, ROHS, Lifecycle, and Supplier Price. The 'Supply Chain' tab is highlighted in the bottom navigation bar.

The callout window shows a detailed view of the search results, including a circuit diagram and a table of search results. The table in the callout window has the following columns: Part Count, Supplier Datasheet, Purchase URL, and SupplierPN. The 'Supply Chain' tab is also highlighted in the callout window's bottom navigation bar.

Manufacturer Name	Manufacturer Datasheet	Ref Des	Part Count	Supplier Datasheet	Purchase URL	SupplierPN	Supplier	Description	Unit Stock	ROHS	Lifecycle	Supplier Price
ON Semiconductor	<a href="#">More Details</a>	D3, D4, D13, D14, ...	12	N/A	<a href="#">Click To Buy</a>	3607180	Famell	ZENER DIODE, 8.2V, 3W...	0	Compliant	Active	0.27900 GBP
Samtec Inc	<a href="#">More Details</a>	P2	1	N/A	<a href="#">Click To Buy</a>	85P7166	Newark	2mm TERMINAL STRIP	0	Compliant	Active	1.76000 USD
Vishay Dale	<a href="#">More Details</a>	R30_Ch1, R30_Ch2	2	N/A	<a href="#">Click To Buy</a>	541-18.0FTR-ND	Digi-Key	RES SMD 18 OHM 1% 1/...	0	Compliant	Active	0.01075 USD
Vishay Dale	<a href="#">More Details</a>	R18_Ch1, R18_Ch...	12	N/A	<a href="#">Click To Buy</a>	541-10284-2-ND	Digi-Key	RES 0.1 OHM 3.0 W 1% ...	0	Compliant	Active	0.75040 USD
Vishay Siliconix	<a href="#">More Details</a>	Q1_Ch1, Q1_Ch2	2	N/A	<a href="#">Click To Buy</a>	SI7949DP-T1-E3DKR-ND	Digi-Key	MOSFET 2P-CH 60V 3.2A...	0	Compliant	Active	1.72000 USD
Vishay Siliconix	<a href="#">More Details</a>	Q19_Ch1, Q19_Ch2	2	N/A	<a href="#">Click To Buy</a>	SI9945BDY-T1-GE3TR-ND	Digi-Key	MOSFET 2N-CH 60V 5.3...	0	Compliant	Active	0.42075 USD
YAGEO Corporation	<a href="#">More Details</a>	R9_Ch1, R9_Ch2, ...	4	N/A	<a href="#">Click To Buy</a>	311-22.0KFRTR-ND	Digi-Key	RES 22K OHM 1% 1/4W ...	0	Compliant	Active	0.00970 USD
ON Semiconductor	<a href="#">More Details</a>	Q6_Ch1, Q6_Ch2	2	N/A	<a href="#">Click To Buy</a>	2SA1419T-TD-HOSDKR-ND	Digi-Key	TRANS PNP 160V 1.5A P...	1099	Compliant	Obsolete	0.62000 USD
ON Semiconductor	<a href="#">More Details</a>	Q3_Ch1, Q3_Ch2	2	N/A	<a href="#">Click To Buy</a>	2SC3649S-TD-HOSDKR-ND	Digi-Key	TRANS NPN 160V 1.5A ...	1117	Compliant	N/A	0.62000 USD
Panasonic Electronic Com...	<a href="#">More Details</a>	R37_Ch1, R37_Ch...	4	N/A	<a href="#">Click To Buy</a>	65T8474	Newark	RES, THICK FILM, 510R, ...	23250	N/A	Active	0.06200 USD
Boums Inc	<a href="#">More Details</a>	R12_Ch1, R12_Ch...	8	N/A	<a href="#">Click To Buy</a>	000000000004038931	Avnet Americas	Res Thick Film 0603 100 ...	10000	Compliant	Active	0.00206 USD
KEMET Corporation	<a href="#">More Details</a>	C1	1	N/A	<a href="#">Click To Buy</a>	36X2617	Newark	Multilayer Ceramic Capacit...	9016000	Compliant	Active	0.05400 USD
KEMET Corporation	<a href="#">More Details</a>	C3_Ch1, C3_Ch2, C...	4	N/A	<a href="#">Click To Buy</a>	399-1095-1-ND	Digi-Key	CAP CER 0.1UF 10V X7R...	1445496	Compliant	Active	0.13000 USD
Nexperia	<a href="#">More Details</a>	Q4_Ch1, Q4_Ch2, ...	4	N/A	<a href="#">Click To Buy</a>	1727-6191-6-ND	Digi-Key	TRANS NPN/PNP 45V 0...	3000	Compliant	Active	0.22000 USD
Panasonic Electronic Com...	<a href="#">More Details</a>	R31_Ch1, R31_Ch2	2	N/A	<a href="#">Click To Buy</a>	85Y8584	Newark	RES, 18R, 1%, 0.1W, 060...	15630	Compliant	Active	0.03300 USD

# What Supply Chain Brings to Designers

1

Access to real-time component sourcing data from more than 80 Distributors

Supplier
<all>
Famell
Newark
Digi-Key
Digi-Key
Digi-Key
Digi-Key
Digi-Key
Digi-Key
Digi-Key
Newark
Avnet Americas
Newark

2

Component

- Pricing
- Availability
- Compliance
- Lifecycle data

Unit Stock	ROHS	Lifecycle	Supplier Price
<all>	<all>	<all>	<all>
10000	Compliant	Active	0.00206 USD
9016000	Compliant	Active	0.05400 USD
1445496	Compliant	Active	0.13000 USD
3000	Compliant	Active	0.22000 USD
15630	Compliant	Active	0.03300 USD
15089	Compliant	Active	0.03850 GBP
149	Compliant	Active	1.42000 USD
396	Compliant	Active	1.99000 USD
60000	Compliant	Active	0.00997 USD
3104	Compliant	Active	0.45000 USD
3889	Compliant	Active	0.10000 USD
325000	Compliant	Active	0.00412 USD

3

Links to component supplier data sheets

Manufacturer Datasheet
<all>
<a href="#">More Details</a>
<a href="#">More Details</a>
<a href="#">More Details</a>
<a href="#">More Details</a>
<a href="#">More Details</a>
<a href="#">More Details</a>
<a href="#">More Details</a>
<a href="#">More Details</a>
<a href="#">More Details</a>
<a href="#">More Details</a>

4

Status indicators alert the user to risk

⚠	Vishay Dale
⚠	Vishay Intertechnologies
⊘	Diodes Incorporated
⊘	Nexperia
⊘	ON Semiconductor
⊘	Samtec Inc
⊘	Vishay Dale
⊘	Vishay Dale
⊘	Vishay Siliconix
⊘	Vishay Siliconix
⊘	YAGEO Corporation
⊘	ON Semiconductor
⊘	ON Semiconductor
⊘	Panasonic Electronic Com...
✓	Boums Inc
✓	KEMET Corporation
✓	KEMET Corporation

# What Supply Chain Users will love

- Search grid customization
- Content control, Grouping bar, sorting, search criteria...
- WYSIWYG BOM creation
  - BOM content reflects grid settings
  - Multiple instances of Supply Chain tab possible
- Direct access to the BOM from the output window
- Direct cross-probing to schematic from output window
- Easy detection of problematic parts
  - Filtering provided by the Search window
  - Pre-defined filters to speed up part selection
- Direct links to the vendors' sites
- Yellow cells to indicate any value change since last refresh

a single part.

Shows parts where Part Count is greater than or equal to the supplier defined Minimum Order Quantity

Shows Exact Matches Only

Warning: Multiple records found for ON Semiconductor: MJB41CT4G from your Preferred Supplier list. Please select 1 entry below and click 'OK'. Pricing shown reflects the cost of a single part.

Actual Manufacturer	Supplier P/N	Supplier	Supplier Datasheet	Description	Packaging Type	Supplier Price	Part Count	Unit Stock	Min order QTY	ROHS	Lifecycle
ON Semiconductor	MJB41CT4G	Digi-Key	N/A	TRANS NPN 100V EA DPAK	Cat Tape (CT)	1.41000 USD	4	27116	1	Compliant	Active
ON Semiconductor	MJB41CT4G	Digi-Key	N/A	TRANS NPN 100V EA DPAK	Dip (PWR)	1.41000 USD	4	27116	1	Compliant	Active
ON Semiconductor	MJB41CT4G	Digi-Key	N/A	TRANS NPN 100V EA DPAK	Tape & Reel (TR)	0.81024 USD	4	26400	800	Compliant	Active
ON Semiconductor	MJB41CT4G	Avnet Americas	N/A	Trans GP BJT NPN 100V EA 3-Pin(D-Tab) DPAK T	N/A	0.60341 USD	4	0	800	Compliant	Active
ON Semiconductor	MJB41CT4G	Avnet Americas	N/A	Trans GP BJT NPN 100V EA 3-Pin(D-Tab) DPAK T	N/A	0.62515 USD	4	0	952	Compliant	Active
ON Semiconductor	MJB41CT4G	Farnell	N/A	TRANSISTOR: BIPOL: NPN: 100V	TAPE & REEL CUT	1.65000 GBP	4	8	5	Compliant	Active
ON Semiconductor	MJB41CT4G	Farnell	N/A	TRANSISTOR: BIPOL: NPN: 100V	Reel	1.64000 GBP	4	8	10	Compliant	Active
ON Semiconductor	MJB41CT4G	Arrow Electronics	N/A	Trans GP BJT NPN 100V EA 2000W(3-Pin(D-Tab)	N/A	0.59030 USD	4	0	1600	N/A	N/A
ON Semiconductor	MJB41CT4G	Arrow Electronics	N/A	Trans GP BJT NPN 100V EA 2000W(3-Pin(D-Tab)	Cat Tape	1.26840 USD	4	98	1	N/A	N/A
ON Semiconductor	MJB41CT4G	Newark	N/A	POWER TRANSISTOR: NPN: 100V: D2-PAK: Trans-	TAPE & REEL FULL	0.52000 USD	4	0	800	N/A	Active
ON Semiconductor	MJB41CT4G	Newark	N/A	TRANSISTOR: BIPOL: NPN: 100V: Transistor Polar-	TAPE & REEL CUT	1.37000 USD	4	8	5	N/A	Active
ON Semiconductor	MJB41CT4G	Newark	N/A	Transistor PNP(NPN) Collector Emitter Voltage Vb-	TAPE & REEL FULL	0.70500 USD	4	0	800	N/A	N/A
ON Semiconductor	MJB41CT4G	Digi-Key	N/A	TRANS NPN 100V EA DPAK-3	Cat Tape (CT)	1.20000 USD	4	452	1	Compliant	N/A
ON Semiconductor	MJB41CT4G	Digi-Key	N/A	TRANS NPN 100V EA DPAK-3	Cat Tape (CT)	1.37000 USD	4	587	1	Compliant	Active
ON Semiconductor	MJB41CT4G	Digi-Key	N/A	TRANS NPN 100V EA DPAK-3	Dip (PWR)	1.37000 USD	4	587	1	Compliant	Active
ON Semiconductor	MJB41CT4G	Digi-Key	N/A	TRANS NPN 100V EA DPAK-3	Tape & Reel (TR)	0.78006 USD	4	0	800	Compliant	Active
ON Semiconductor	MJB41CT4G	Mouser Electronics	N/A	BJT NPN 100V EA 100V V <sub>CE</sub>	N/A	1.36000 USD	4	1097	N/A	Compliant	N/A
ON Semiconductor	MJB41CT4G	Avnet Americas	N/A	Trans GP BJT NPN 100V EA 3-Pin(D-Tab) DPAK T	N/A	0.88541 USD	4	0	800	Compliant	Active
ON Semiconductor	MJB41CT4G	Avnet Americas	N/A	Trans GP BJT NPN 100V EA 3-Pin(D-Tab) DPAK T	N/A	0.78917 USD	4	0	811	Compliant	Active
ON Semiconductor	MJB41CT4G	Farnell	N/A	TRANS NPN 100V EA 150DEC: C: 65W	TAPE & REEL CUT	1.61000 GBP	4	196	5	Compliant	Active
ON Semiconductor	MJB41CT4G	Farnell	N/A	TRANS NPN 100V EA 150DEC: C: 65W	Reel	1.19000 GBP	4	556	10	Compliant	Active

Supply Chain Update finished - Tue Oct 19 14:43:25 2021

- **Error:** No records found for
  - Vishay Dale: CRCV12062K20FKEAC
  - OS\_Common\$111348
  - YAGIO Corporation: RC1206FR-0710KL
- **Warning:** Multiple or partial records found. Double click on the row to select a specific
  - Diodes Incorporated: PDS560-13
  - ON Semiconductor: MJB41CT4G
  - ON Semiconductor: NJVMJB42CT4G
  - Vishay Dale: CRCW12062K20FKEAC
  - Vishay Dale: CRCW12063K30FKEAC
  - Vishay Dale: CRCW12064K70FKEAC
  - Vishay Intertechnologies: TCMT1109

Found: 33

Design - All Design - Nets Library - Symbols Library - Parts Design - Parts Supply Chain Supply Chain Supply Chain X



# Product Demo

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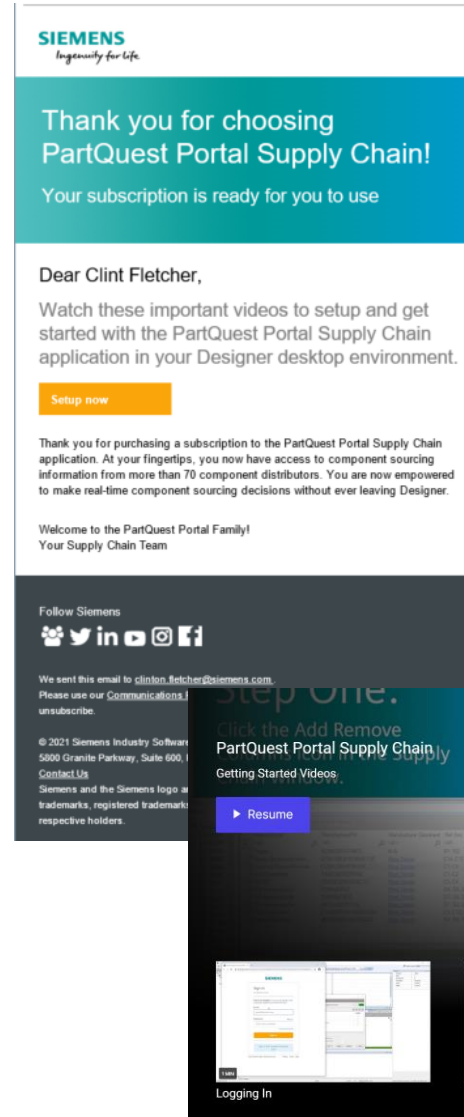
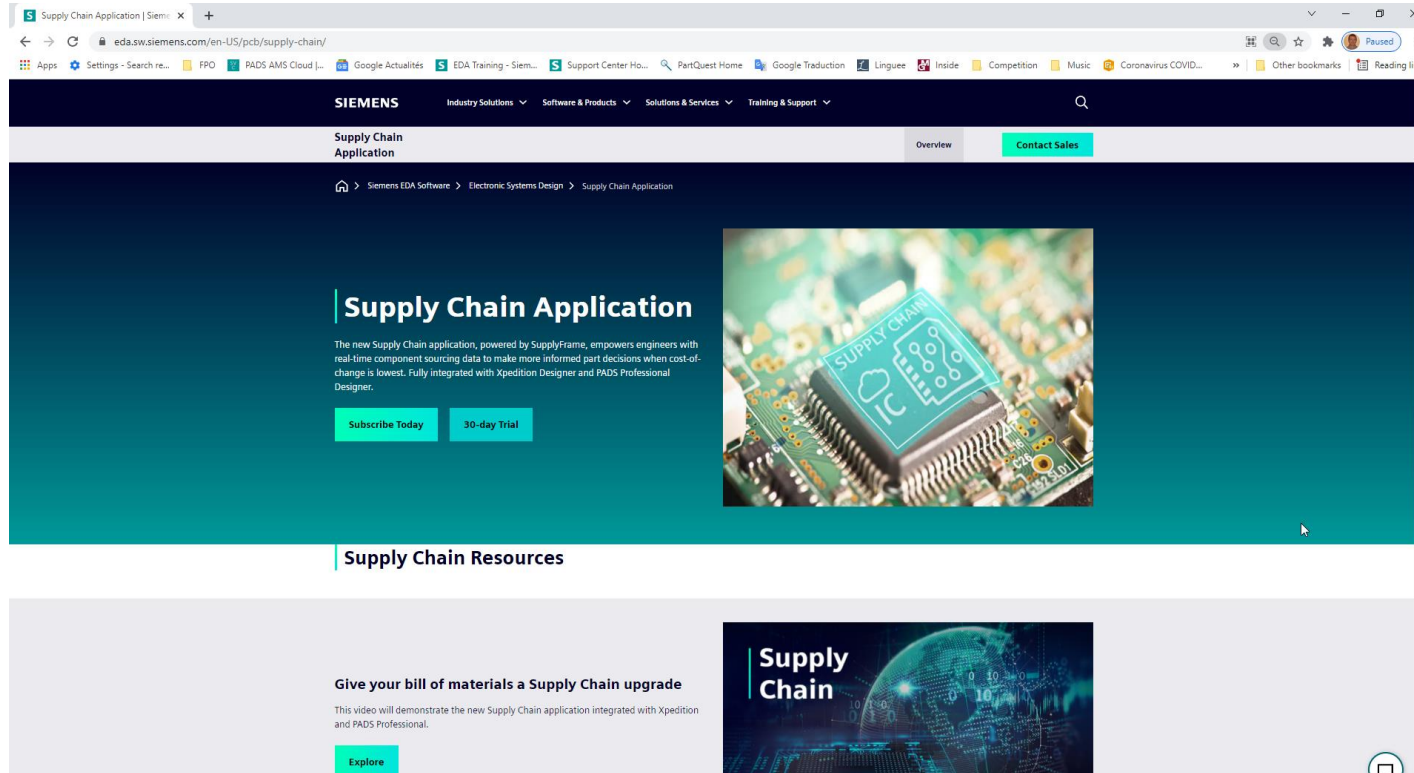
Q&A

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# Give it a try!



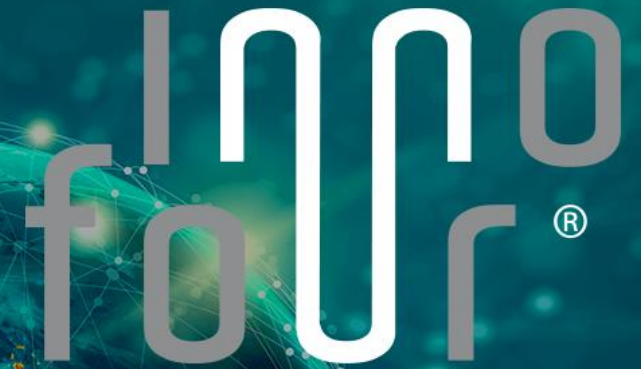




# Olivier ARNAUD

Applications Engineer Consultant

[olivier.arnaud@siemens.com](mailto:olivier.arnaud@siemens.com) / [olivier\\_arnaud@mentor.com](mailto:olivier_arnaud@mentor.com)



Let's talk at the InnoFour booth

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# InnoFour

Twentepoort Oost 61-02  
7609 RG Almelo  
Netherlands  
+ 31 (0)546 45 45 30  
[info@innofour.com](mailto:info@innofour.com)  
[www.innofour.com](http://www.innofour.com)

