



EASYLOGIX.DE



PCB-Investigator

PLM

01/2023

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www.easyLogix.de

Document Management System

The Benefits of Implementing a Data Management System"

1.Data storage: This involves safeguarding and managing the PCB design data to ensure it is readily available and secure.

2.Data preparation: This involves preparing the PCB design data for manufacturing and assembly, including creating manufacturing and assembly drawings, generating bill of materials and purchase orders.

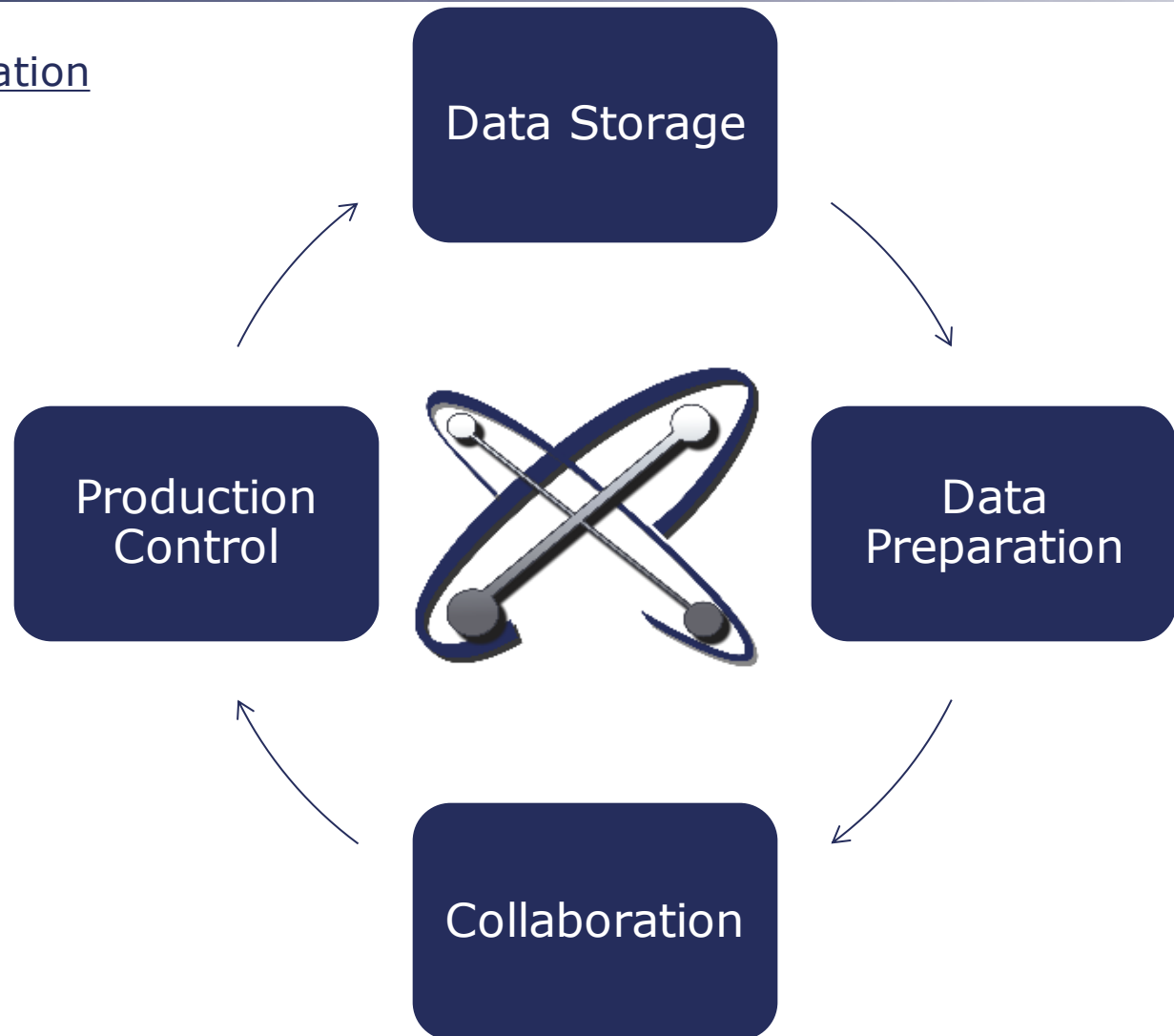
3.Collaboration: This involves working together between designers, engineers, manufacturing technicians and suppliers to ensure everyone is on the same page and issues can be quickly resolved.

4.Production control: This involves monitoring and controlling the production process, including monitoring production schedules, quality checks, and inventory levels to ensure the production runs smoothly and meet delivery dates.

Document Management System

Fields of Application

ODB++
IPC2581
Gerber
Schematic
Specification
DRC Rules
DFM Rules
DFT Rules
Machine Exports
.....



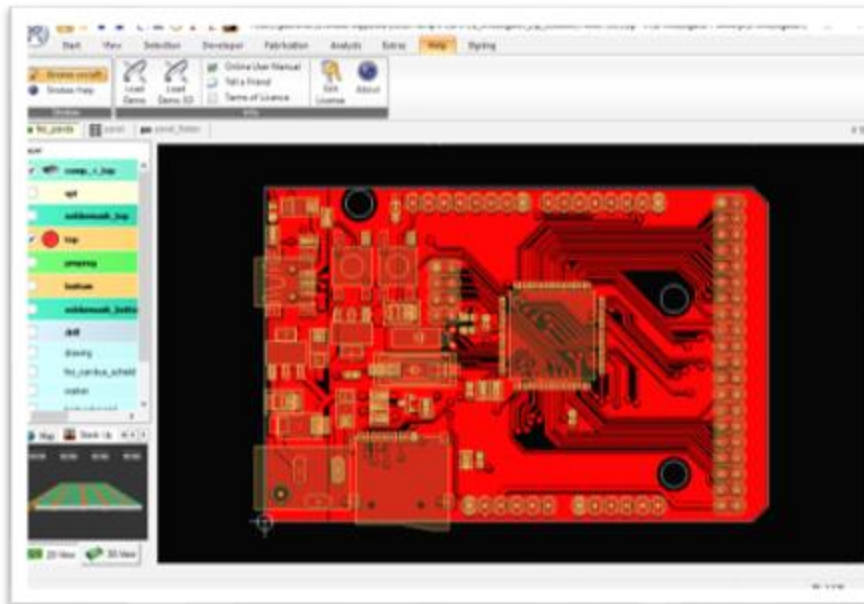
PCBI 365 / Desktop and Web

Desktop and Online available

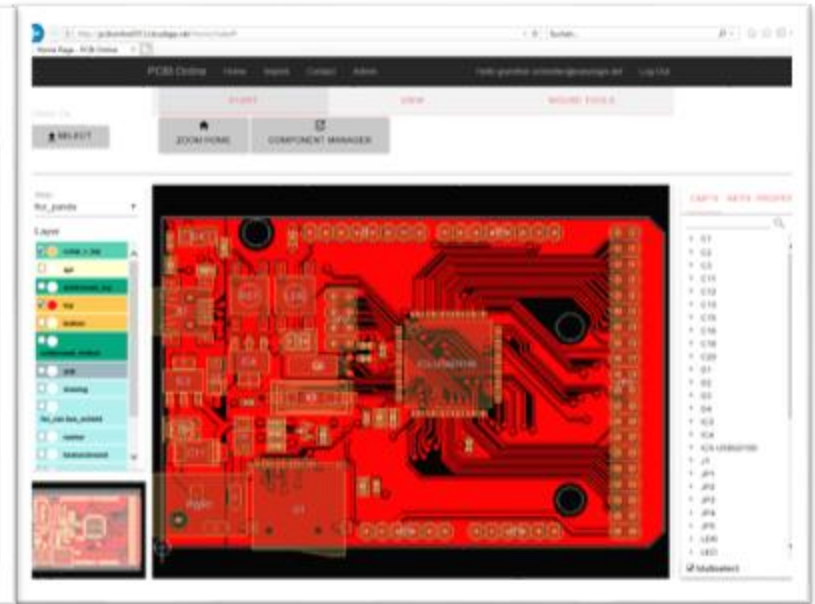
- CAM for PCB-Data
- ODB++, IPC2581, Gerber274X , DXF, Excellon, Sieb & Meyer ...

PCBI 365 helps you connect your dispersed teams, partners, and suppliers

Desktop



Browser



PCBI 365

Data Management and Sharing

Load zip-file

PCBI 365 Local

★ Favorites

- EasyLogix
- Test Designs
- Customer Support
- Libraries
- Scripts
- Settings
- Distributor
- Designs
- Günther Schindler

Design name	Change date	Changed by
12-V 100-A amplifiers_PMP21867	29.03.2020 08:36:48	Günther Schindler
45-W, 15-W dual SEPIC LED_TDI	29.03.2020 02:40:46	Günther Schindler
120W dual-stage_TIDA-050030	01.04.2020 10:49:46	Günther Schindler
137W Holdup Converter	01.04.2020 12:24:20	Günther Schindler
Automotive Discrete SBC_TIDA-01429	01.04.2020 01:49:25	Günther Schindler
Automotive SPD-SmartGlass	02.04.2020 09:43:42	Günther Schindler
Automotive USB Type-A charger reference design with 3-m USB-IF near-end compliant	02.04.2020 10:35:17	Günther Schindler
TIDA-010065_ADC_AIM-E2_20190912	04.04.2020 02:12:46	Günther Schindler
Intel Galileo Ref 1	24.04.2020 06:48:35	Günther Schindler
LimeSDR_V1.2	14.05.2020 08:20:12	Günther Schindler
LimeSDR_V1.3	14.05.2020 08:21:24	Günther Schindler
Bidirectional DC-DC Converter Reference Design for 12-V48-V Automotive Systems	15.07.2020 07:42:35	Support EasyLogix
UrsaCameraPowersupply	07.08.2020 07:49:30	Support EasyLogix

15 1 Filter

Active: All

Close Load file

Name: UrsaCameraPowersupply
Description: UrsaCameraPowersupply with MPN
Author: Support EasyLogix
Created: 07.08.2020 07:49:30
Changed: 07.08.2020 07:49:30
Layer Count: 2
Board Count: 1
Panel Count: 0
Board Width: 3454.3104
Board Height: 3283.4651
Component Count: 73
Micro Vias: False

Add to favorites
Share file

Secure Sharing

Secure Supplier connection with SSL

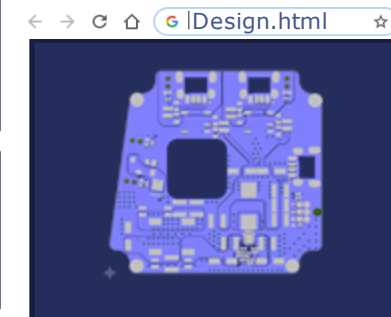
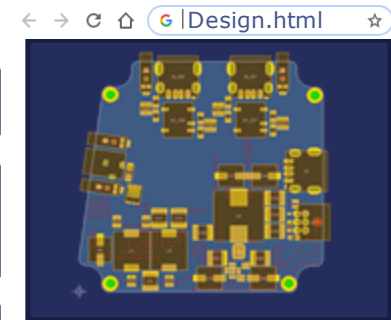
Protect your IP by sharing only necessary information.

Give you supplier access to the design for an offer without transferring the data.

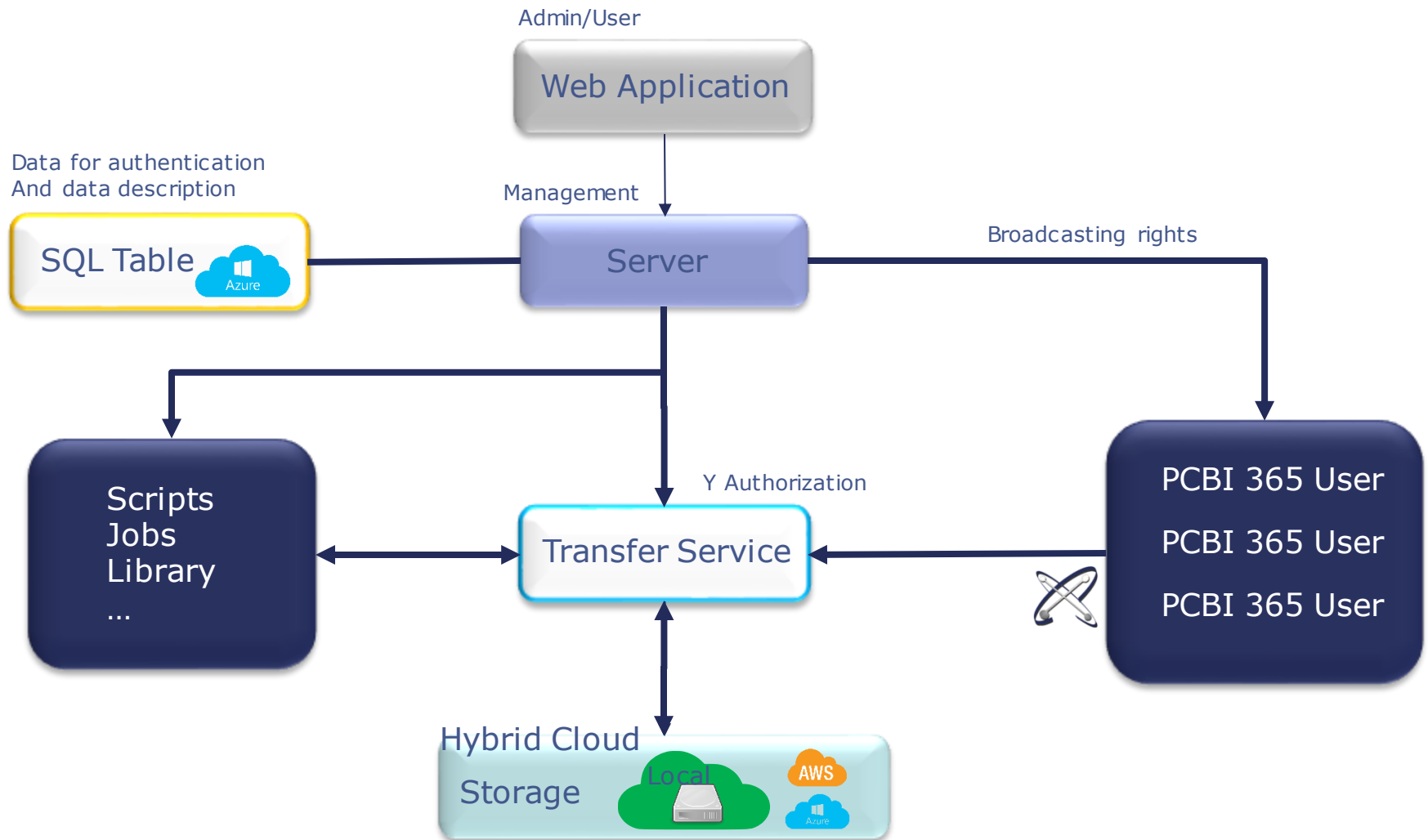
All suppliers will see the same. The different interpretation of PCB Data from different CAM Tools are gone. This will reduce unnecessary questions.

If you have chosen the right supplier, send out a second link including the Web viewer and the possibility to download the PCB Data.

Simply expand your customer portal with a PCB Web Viewer.



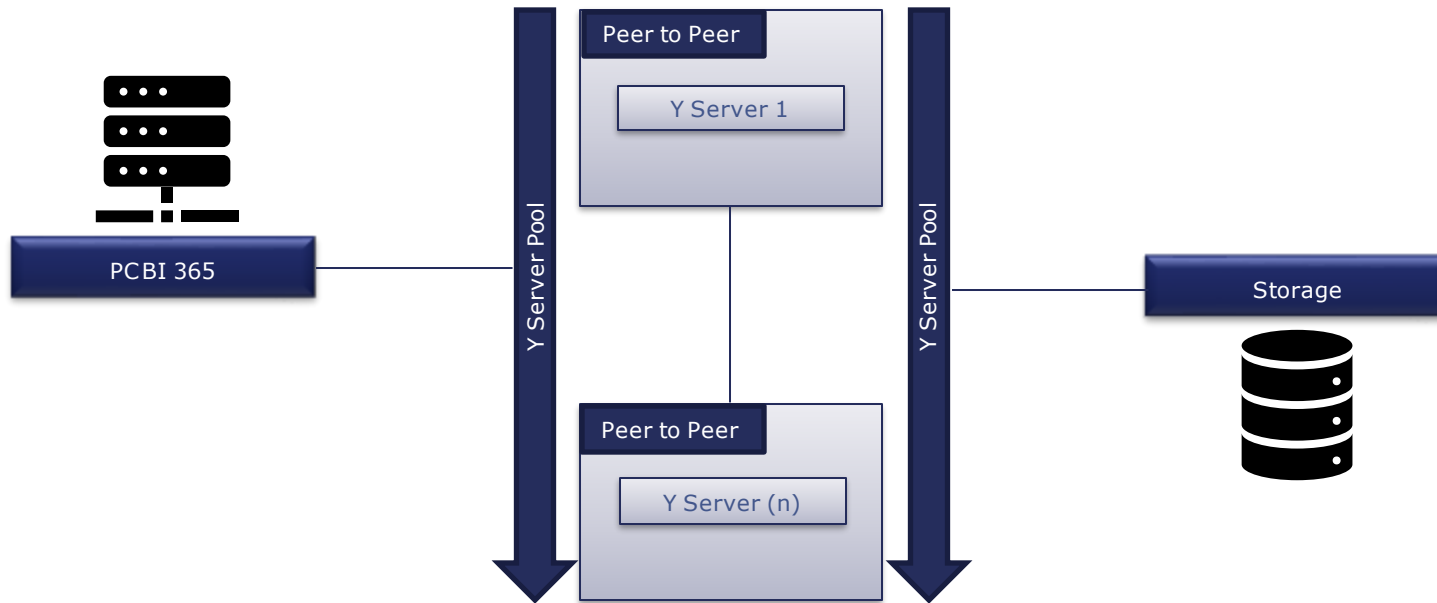
Data Organization



Y Data Organization for PCBI 365

Y Server Pool

Internal Server Structure



Architecture

PCB-Investigator Desktop

PCB-Investigator Online

SDK

Transfer SERVICES

Server Drive

Azure Blob Storage

AWS Blob Storage

Microsoft 365

Dropbox

Google Drive

Transfer SERVICES

SAP

ERP

SQL

PLM

MES

IPC CFX

OPC UA

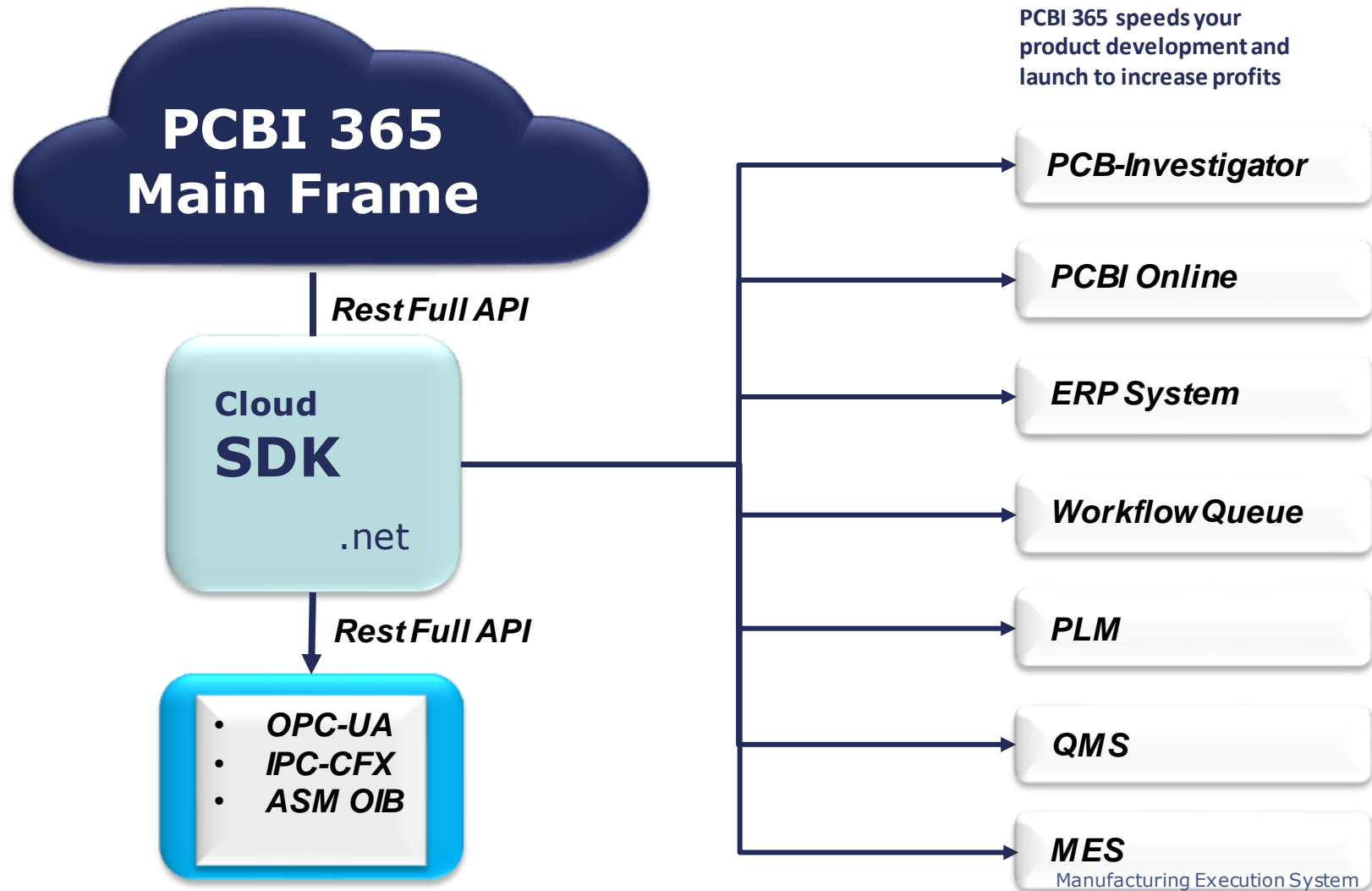
Management Portal

REST API

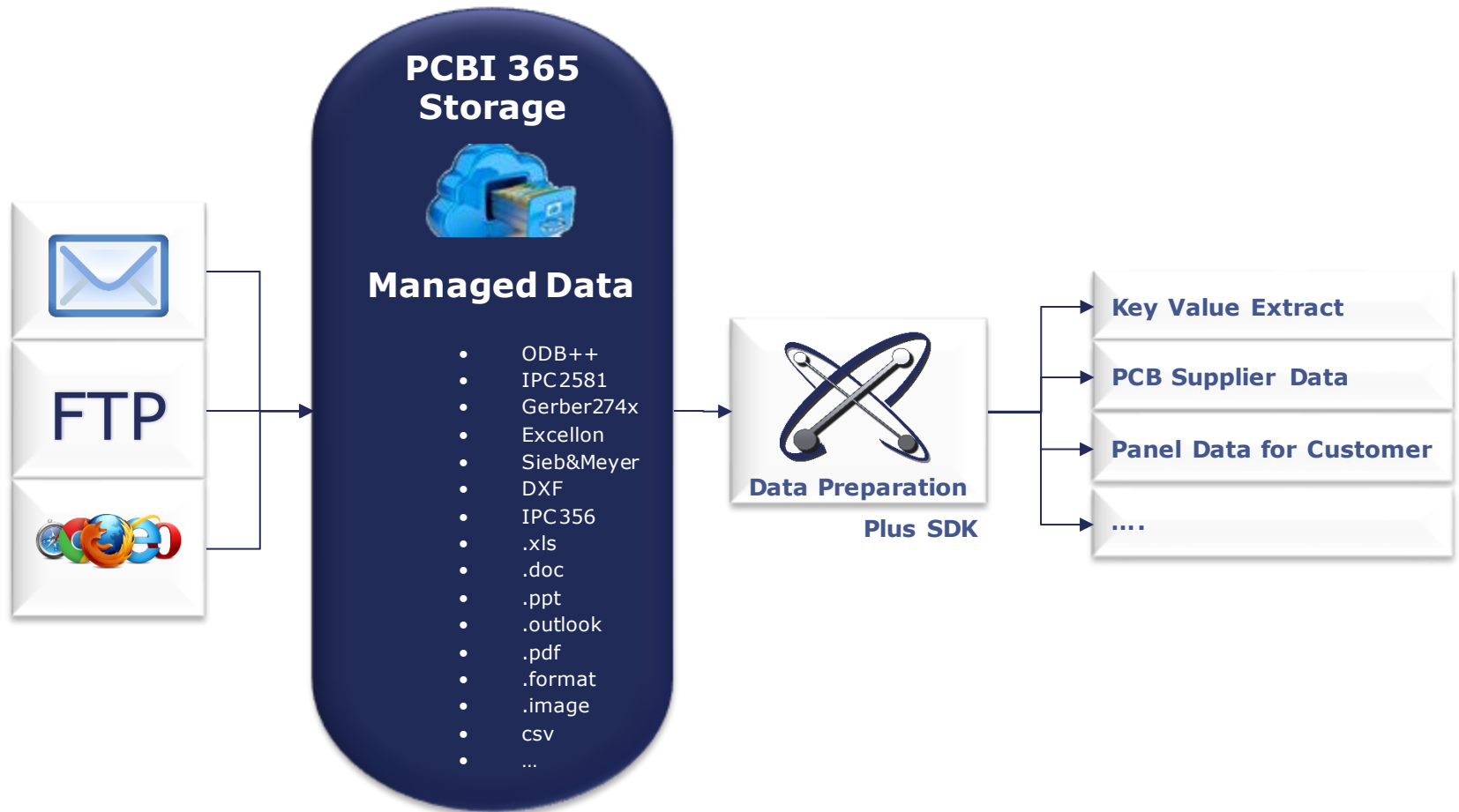
Sharing

PCBI 365 SDK

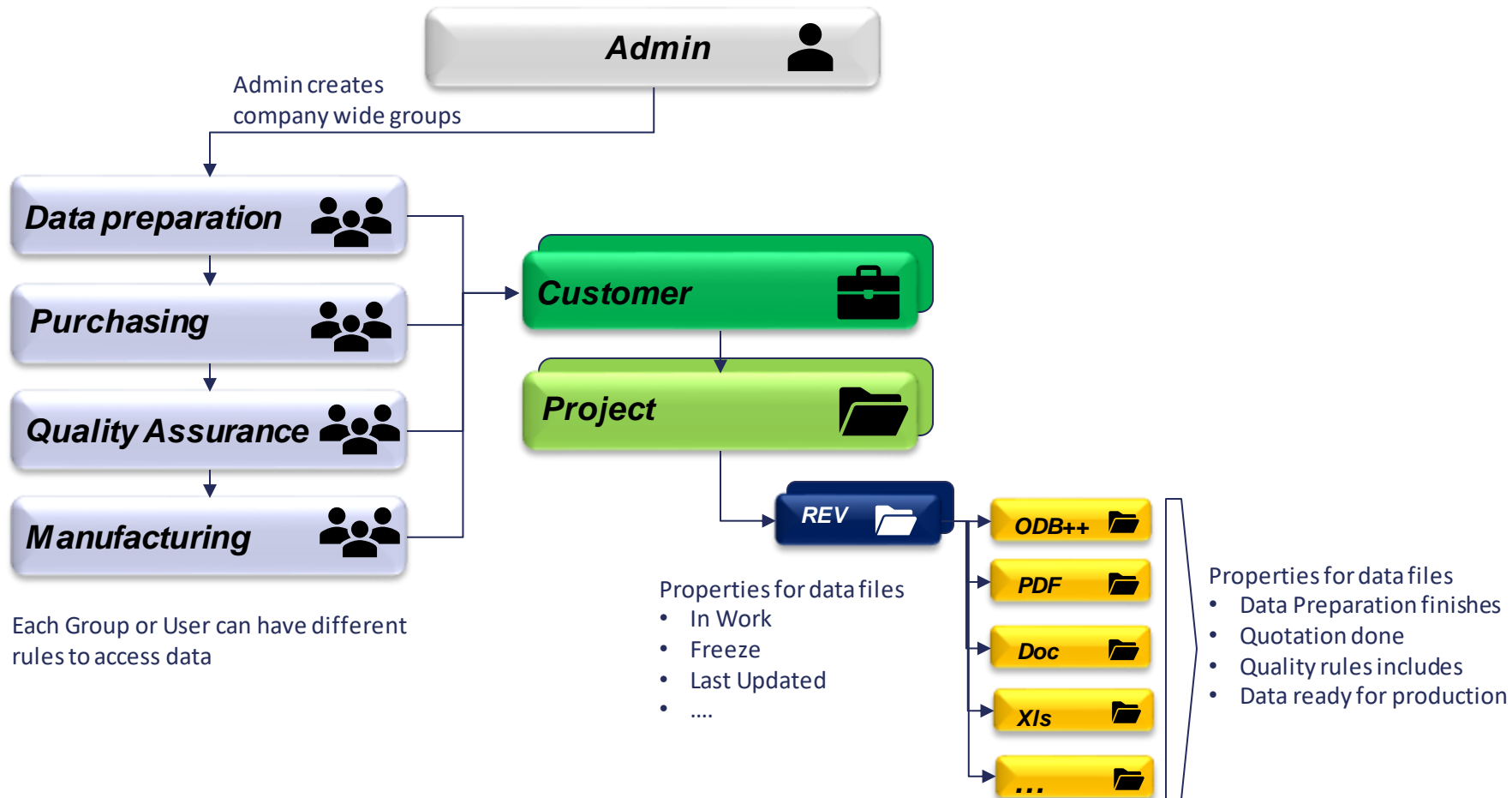
PCBI 365 speeds your product development and launch to increase profits



Sample Work Flow



Sample Usage of Groups



Data Management

PCB-Investigator Preparation Support

- Load PCB Data
- Load DRC Rule
- Load DFM Rule
- Load DFT Rule
- Load DFT Setup
- Symbol Library
- Component Library
- PDF Synchronization (Schematic, Assembly Drawing..)
- Script Engine
- Load Line

Data Management

Company Setup

Digital EMS AG

DE1

DE2

DE3

DE4

Admin

Automotive

Industrial

Medical

Sil

Settings

Germany

HV

Invasive

Sil3

DRC

DFM

DFT

Europa

NV

Health

Sil4

Libraries

Asia

MPN

Symbols

Scripts

PKG

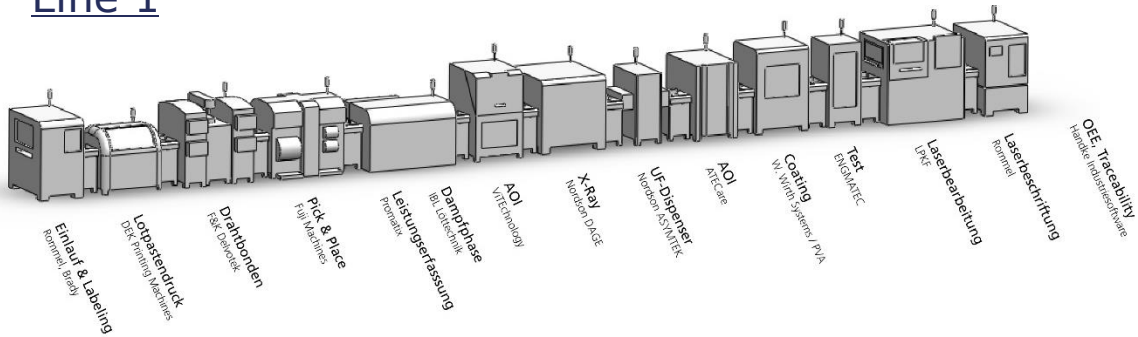
Data Management

Process Flow

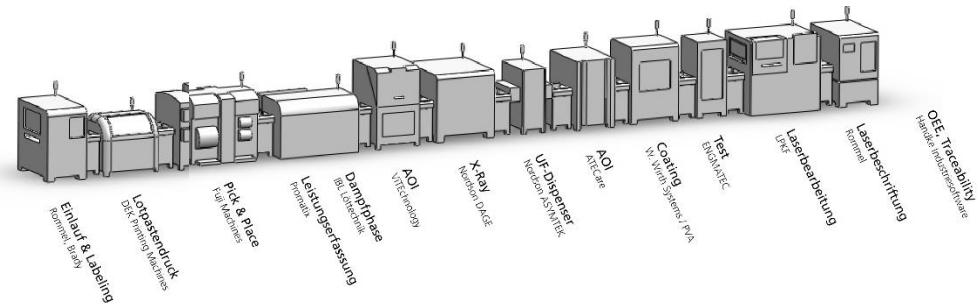
Process	Status	Done by
BOM Connect	Done	UID1234
DRC	5 Results	UID1235
DFM	1 Results	UID1236
AOI	No Results	UID1237
DFT Flying Probe	80% Testability	UID1238
DFT ICT	Open	UID1239
Pick & Place	Open	UID1240
Past Mask Preparation	Done	UID1241
Panel Creation	Done	UID1242
...		

Process Management

Line 1



Line 2



Digitized Configuration

Line 1

Panel Size 500*600
 Feeders 24
 Coating Green

....

Line 2

Panel Size 500*500
 Feeders 18
 Coating Red

....

Create Analysis Rules out of Line configuration

Design Entry

Open Design

Favorites
 Recent
 Browse
 PCBI 365
 Clean Image Cache

Select a Group:

- PCBI 365
 - EasyLogix
 - Customer
 - Distributor
 - Design
 - Libraries
 - Scripts
 - Settings
 - Test Desks
 - Günther Schir

Design Name	Frozen	Checke...	Change Date	Changed by	Creation Date	Created by
Geben Sie Text hier ein	G...	Geb...	Geben Sie Text hier...	Geben Sie Text hier ein	Geben Sie Text hier ein	Geben Sie Text hier ein
12-V 100-A_amplifiers_PMP21867		Günther Schindler	2020.03.29 10:36:48	Günther Schindler	2020.03.29 10:36:48	Günther Schindler
45-W, 15-W dual SEPIC LED_TDI			2020.03.29 16:40:46	Günther Schindler	2020.03.29 11:12:43	Günther Schindler
120W dual-stage_TIDA-050030			2020.04.01 12:49:46	Günther Schindler	2020.04.01 12:49:46	Günther Schindler
137W Holdup Converter			2020.04.01 14:24:20	Günther Schindler	2020.04.01 14:24:20	Günther Schindler
Automotive Discrete SBC_TIDA-01429			2020.04.01 15:49:25	Günther Schindler	2020.04.01 15:49:25	Günther Schindler
Automotive SPD-SmartGlass			2020.04.02 11:43:42	Günther Schindler	2020.04.02 11:43:42	Günther Schindler
Automotive USB Type-A charger refer...			2020.04.02 12:35:17	Günther Schindler	2020.04.02 12:35:17	Günther Schindler
TIDA-010065_ADC_AIM-E2_20190912			2020.04.04 16:12:46	Günther Schindler	2020.04.04 16:12:46	Günther Schindler

Design Information

Design: 12-V 100-A_amplifiers_PMP21867
 Desc.: Ti Design 12-V 100-A_amplifiers_PMP21867
 Author: Günther Schindler
 Changed: 2020.03.29 - 10:36:48

Description	Type	Size	Layer Count	Board Count	Panel Count	Board Width	Board Height	Component Count
Ti Design 12-V 100-A_amplifiers_PMP21867	365 Design	2.75 MB	8	1	0	259.080	99.060	357
45-W, 15-W dual SEPIC LED_TDI	365 Design	1.67 MB	6	1	0	79.985	76.175	270
120W dual-stage_TIDA-050030 with STEP	365 Design	3.32 MB	6	1	1	91.694	108.712	302
137W Holdup Converter Altium	365 Design	1.50 MB	4	1	0	81.280	81.280	110
Automotive Discrete SBC_TIDA-01429 Altium STEP	365 Design	3.04 MB	2	1	0	101.600	76.200	156
Automotive SPD-SmartGlass Altium Step	365 Design	3.60 MB	2	1	0	149.860	58.674	151
Automotive USB Type-A charger reference design with 3m USB-IF near-end compliant Altium STEP	365 Design	1.56 MB	4	1	0	50.000	32.000	51
TIDA-010065_ADC_AIM-E2_20190912 Altium STEP	365 Design	7.63 MB	4	1	0	182.000	120.000	689

Download and Open Design

Design Management

File Management

PCB-Investigator / www.pcb-investigator.com

Start View Selection Developer Fabrication Analysis Extras Help **PCBI 365** Signing Plugin Scripts

PCBI 365 Add Check-In Check-Out Upload Properties 365 Explorer Freeze

Layer Sel Info

Drop Files here...

- > ODB++
- > Gerber 274x
- > Gen Cad 1.4
- > Eagle Files
- > IDF Files
- > DXF Files
- > DPF Files
- > IPC2581
- > IPC356
- > Schematics (PDF)
- > ...

Map CMP's Nets Properties Error-Log

PCB-Investigator 365 Explorer

Groups: PCBI 365 EasyLogix Customer Support Distributor 45-W, 15-W dual SEPIC LED_TDI_V1 Designs 120W dual-stage_TIDA-050030 12-V 100-A amplifiers_FMP21867 137W Holdup Converter 45-W, 15-W dual SEPIC LED_TDI Automotive Discrete SBC_TIDA-01429 Automotive SPD-SmartGlass Automotive USB Type-A charger reference desi TIDA-010065_ADC_AIM-E2_20190912 Libraries Scripts Settings Test Designs Gunther Schindler

Space: 120W dual-stage_TIDA-050030_Rc

Path: /120W dual-stage_TIDA-050030_Root

File Name: 120W dual-stage_TIDA-050030.zip TIDA-050030.pdf

File type: All available types

Assign files to a PCB Design

PCB-Investigator
V 11.1

Component Library Import

Extend ODB++ Data with Attributes

Found in Design

Part Number	Manufacturer	Count	Is in 365
VOD207T	VISHAY	1	Yes
11632.1	CONTA-CLIP	2	No
CR1206F4K7JI	TT ELECTRONI...	2	No
06035C104KAT2A	AVX	8	Yes
MCT06030C680...	VISHAY	2	Yes
CRCW060313K3...	VISHAY	3	Yes
CD214B-R3600	BOURNS	3	No
RC0603FR-0718...	YAGEO	3	No
11630.1	CONTA-CLIP	3	No
10370.1	CONTA-CLIP	1	No
0440005.WR	LITTELFUSE	2	No
0440002.WR	LITTELFUSE	1	No
FDD10AN06A0	ON SEMICOND...	3	Yes
SD101CWS-7-F	DIODES INC.	2	No

In Design: 14
In 365: 5
In Silicon: 8

Found in 365

Refresh Set Library Location Total: 13

Part Number	Aliases	Manufacturer	Width (mil)	Length (mil)	Height (mil)	Pin Count	Pin Pitch (m
VOD207T		VISHAY	153,937007874	229,9212598425		8	50
CR1206F4K7JI		TT ELECTRONI...	62,9921259843	125,9842519685	27,5590551181	2	
116321		CONTA-CLIP, I...					
06035C104KAT2A		AVX	31,8897637795	62,9921259843	35,4330708661	2	
MCT06030C680...	231221516802, ...	VISHAY	33,4645669291	61,0236220472	17,7165354331	2	
CRCW060313K3...	CRCW0603100...	VISHAY	33,4645669291	61,0236220472	17,7165354331	2	
CD214BR3600		BOURNS	155,1181102362	179,9212598425	86,6141732283	2	
RC0603FR0718RL	RC0603FR-071...	YAGEO	31,4960629921	62,9921259843	17,7165354331	2	
116301		CONTA-CLIP, I...					
0440005WR		LITTELFUSE	64,1732283465	125,9842519685	32,2834645669	2	
FDD10AN06A0		ON SEMICOND...	244,8818897638	264,9606299213	94,094488189	3	90,1574803

Found in Silicon Expert

Query Only Missing All Chunk Size 30 Compare Total: 8

Part Number	Aliases	Manufacturer	Width (mil)	Length (mil)	Height (mil)	Pin Count
SD101CWS-7-F	SD101CWS-7-F	DIODES INCORPORATED	51,1811023622...	66,9291338582...	41,3385826771...	2
CD214B-R3600	CD214B-R3600	BOURNS	155,118110236...	179,921259842...	86,6141732283...	2
RC0603FR-0718...	RC0603FR-071...	YAGEO	31,4960629921...	62,9921259842...	17,7165354330...	2
0440002.WR	0440002.WR	LITTELFUSE	64,1732283464...	125,984251968...	32,2834645669...	2
0440005.WR	0440005.WR	LITTELFUSE	64,1732283464...	125,984251968...	32,2834645669...	2
CR1206F-4K7JI	CR1206F-4K7JI	TT ELECTRONICS	62,9921259842...	125,984251968...	27,5590551181...	2
11632.1	11632.1	CONTA-CLIP, INC				
11630.1	11630.1	CONTA-CLIP, INC				

Entries to Upload: All Selected Attribute Handling: Supplement Overwrite Close Upload To 365

Component Library Import

Extend ODB++ Data with Attributes

Found in Design

Part Number	Manufacturer	Count	Is in 365
VOD207T	VISHAY	1	Yes
11632.1	CONTA-CLIP	2	No
CR1206F-4K7JI	TT ELECTRONI...	2	No
06035C104KAT2A	AVX	8	Yes
MCT06030C680...	VISHAY	2	Yes
CRCW060313K3...	VISHAY	3	Yes
CD214B-R3600	BOURNS	3	No
RC0603FR-0718...	YAGEO	3	No
11630.1	CONTA-CLIP	3	No
10370.1	CONTA-CLIP	1	No
0440005.WR	LITTELFUSE	2	No
0440002.WR	LITTELFUSE	1	No
FDD10AN06A0	ON SEMICOND...	3	Yes
SD101CWS-7-F	DIODES INC.	2	No

In Design: 14
In 365: 5
In Silicon: 8

Found in 365

Refresh Set Library Location

Total: 13

Part Number	Aliases	Manufacturer	Width (mil)	Length (mil)	Height (mil)	Pin Count	Pin Pitch (m
VOD207T		VISHAY	153,937007874	229,9212598425		8	50
CR1206F4K7JI		TT ELECTRONI...	62,9921259843	125,9842519685	27,5590551181	2	
116321		CONTA-CLIP, I...					
06035C104KAT2A		AVX	31,8897637795	62,9921259843	35,4330708661	2	
MCT06030C680...	231221516802, ...	VISHAY	33,4645669291	61,0236220472	17,7165354331	2	
CRCW060313K3...	CRCW0603100...	VISHAY	33,4645669291	61,0236220472	17,7165354331	2	
CD214BR3600		BOURNS	155,1181102362	179,9212598425	86,6141732283	2	
RC0603FR0718RL	RC0603FR-071...	YAGEO	31,4960629921	62,9921259843	17,7165354331	2	
116301		CONTA-CLIP, I...					
0440005WR		LITTELFUSE	64,1732283465	125,9842519685	32,2834645669	2	
FDD10AN06A0		ON SEMICOND...	244,8818897638	264,9606299213	94,094488189	3	90,1574803

Found in Silicon Expert

Query Only Missing All Chunk Size 30 Compare

Total: 8

Package Type	Silicon Expert ID	Taxonomy Path	Online Supplier ...	Preview Image	Real Body Online	Test Models	Comparison
ad-Frame SMT	15867723	Diodes, Transist...	https://www.diod...	http://download....	'Area MM' -0.65...		Unknown
ad-Frame SMT	20138395	Diodes, Transist...	https://www.bou...	http://download....	'Area MM' -1.97...		Unknown
ID	25312843	Resistors > Fixe...	https://www.yag...	http://download....	'Area MM' -0.40...	[R_18O_1-2]	Unknown
	40184237	Circuit Protection...	https://www.littel...	http://download....	'Area MM' -0.81...		Unknown
	40184242	Circuit Protection...	https://www.littel...	http://download....	'Area MM' -0.81...		Unknown
ID	45359615	Resistors > Fixe...	https://www.ttele...	http://download....	'Area MM' -0.80...	[R_4.7kO_1-2]	Unknown
	404925059	Connectors > C...	http://contaclipin...				Unknown
	404925075	Connectors > C...	http://contaclipin...				Unknown

Entries to Upload: All Selected Attribute Handling: Supplement Overwrite

Close Upload To 365

PCBI 365 Integration to the Library

365 Part Library Manager

Library: Global Parts

Part Number	Package Name	Package Type	Pin Count	Height (mm)	Size X (mm)
ucc25600d	d0008a_n	SOT	8	1.750	6.000
crw060310r0fkea	0603	SOT	2	0.851	1.749
ss1104p	sma	SOT	2	2.271	5.200
l431bidbzz	dbz0003a_n	Test Pck5	3	1.120	2.515
HST0815	DIODE_SMA	Test Pck5	2	0.900	6.070
C5	discrete_separator_0805	Test Pck5	2	1.000	3.302
X1	discrete_separator_2p-smd-5x3.2	'DIODE'	2	3.000	5.000
74LVC244APW.112	sop65p640x110-20n	Small Outline Packages	20	1.100	5.525
ACPL-247-500E	soic127p700x242-16n	Small Outline Packages	16	2.420	5.900
BSS84PH6327XTSA2	sot95p240x110-3n	SOT23 (3-Pin)	3	1.100	2.050

Preview Properties

Description
Description: INFINEON - BSS84PH6327XTSA2 - MOS

Material
Approved

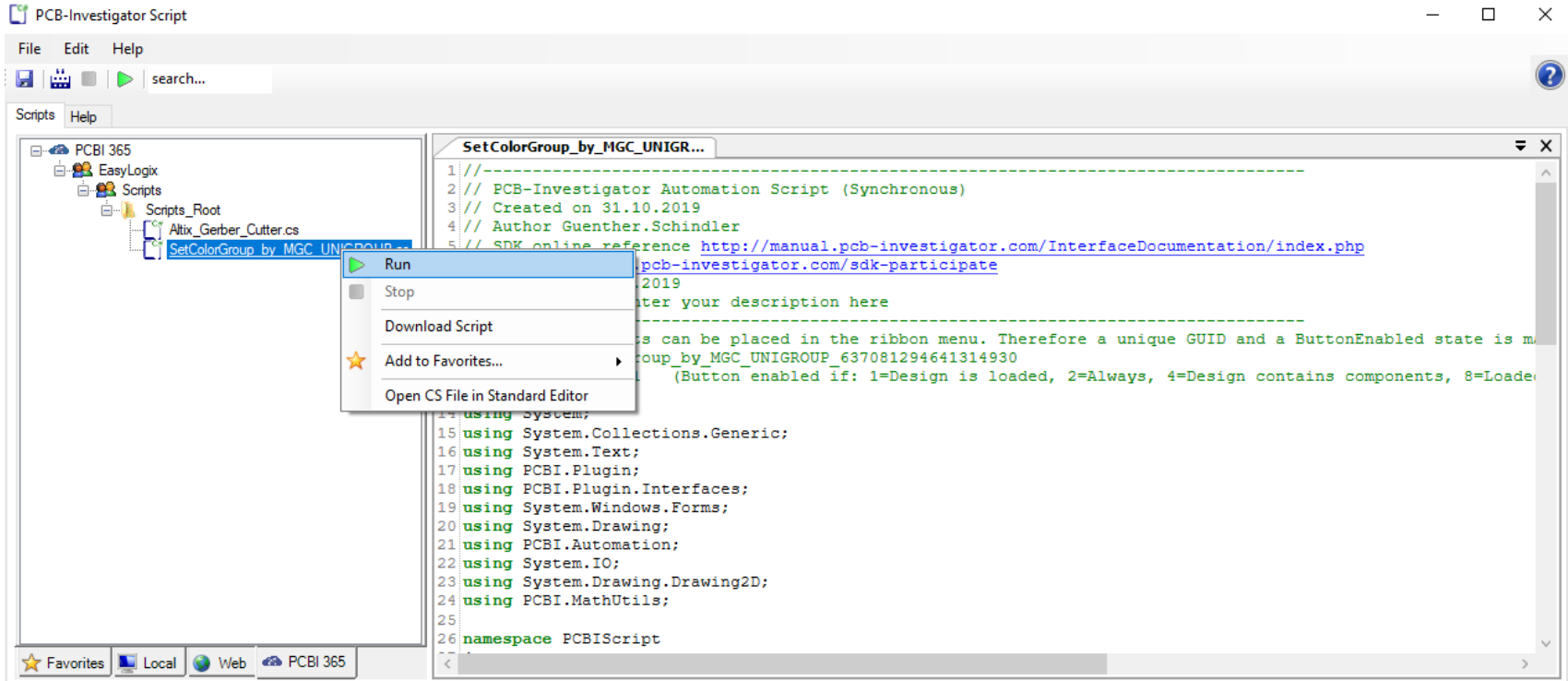
Other
Height: 1.100000 mm
Manufacturer: Infineon
ODBPackageDefinition: CTOB -0.0649606 -0.0570866 IOS -0.0649
PackageName: sot95p240x110-3n
PackageType: SOT23 (3-Pin)
PHYSICS_EMBEDDED_LAYER
PHYSICS_HEAT_SINK
PHYSICS_INTERNAL_RESISTANCE
PHYSICS_MATERIAL
PHYSICS_RJ_BOARD
PHYSICS_RJ_TOP
PinCount: 3
Pitch: 74.8031492383
SizeX: 2.050000 mm
SizeY: 2.950000 mm
STEP_FILEPATH: PCBI365://EasyLogix/Libraries/PartLibrary
STEP_OFFSET
STEP_ROTATION
Tolerance
Value

PHYSICS_HEAT_SINK
[String]

+ Add new Part

PCBI 365 Script Integration

Automation



The screenshot displays the PCB-Investigator Script editor interface. The window title is "PCB-Investigator Script". The menu bar includes "File", "Edit", and "Help". A search bar is located below the menu bar. The left sidebar shows a tree view of the script library, with "PCBI 365" expanded to show "EasyLogix" and "Scripts". Under "Scripts", "Scripts_Root" is expanded to show "Altix_Gerber_Cutter.cs" and "SetColorGroup_by_MGC_UNIGR...". A context menu is open over the selected script, showing options: "Run", "Stop", "Download Script", "Add to Favorites...", and "Open CS File in Standard Editor". The main editor area shows the script code for "SetColorGroup_by_MGC_UNIGR...". The code includes a header with metadata and a list of using statements.

```
1 //-----  
2 // PCB-Investigator Automation Script (Synchronous)  
3 // Created on 31.10.2019  
4 // Author Guenther.Schindler  
5 // SDK online reference http://manual.pcb-investigator.com/InterfaceDocumentation/index.php  
6 // http://manual.pcb-investigator.com/sdk-participate  
7 // 2019  
8 // Enter your description here  
9 //-----  
10 // This script can be placed in the ribbon menu. Therefore a unique GUID and a ButtonEnabled state is m  
11 // SetColorGroup_by_MGC_UNIGROUP_637081294641314930  
12 // (Button enabled if: 1=Design is loaded, 2=Always, 4=Design contains components, 8=Loade  
13 using System;  
14 using System.Collections.Generic;  
15 using System.Collections.Generic;  
16 using System.Text;  
17 using PCBI.Plugin;  
18 using PCBI.Plugin.Interfaces;  
19 using System.Windows.Forms;  
20 using System.Drawing;  
21 using PCBI.Automation;  
22 using System.IO;  
23 using System.Drawing.Drawing2D;  
24 using PCBI.MathUtils;  
25  
26 namespace PCBIScript
```

Smart OIB Integration

OIB Interface to your ASMPT Siplace machine

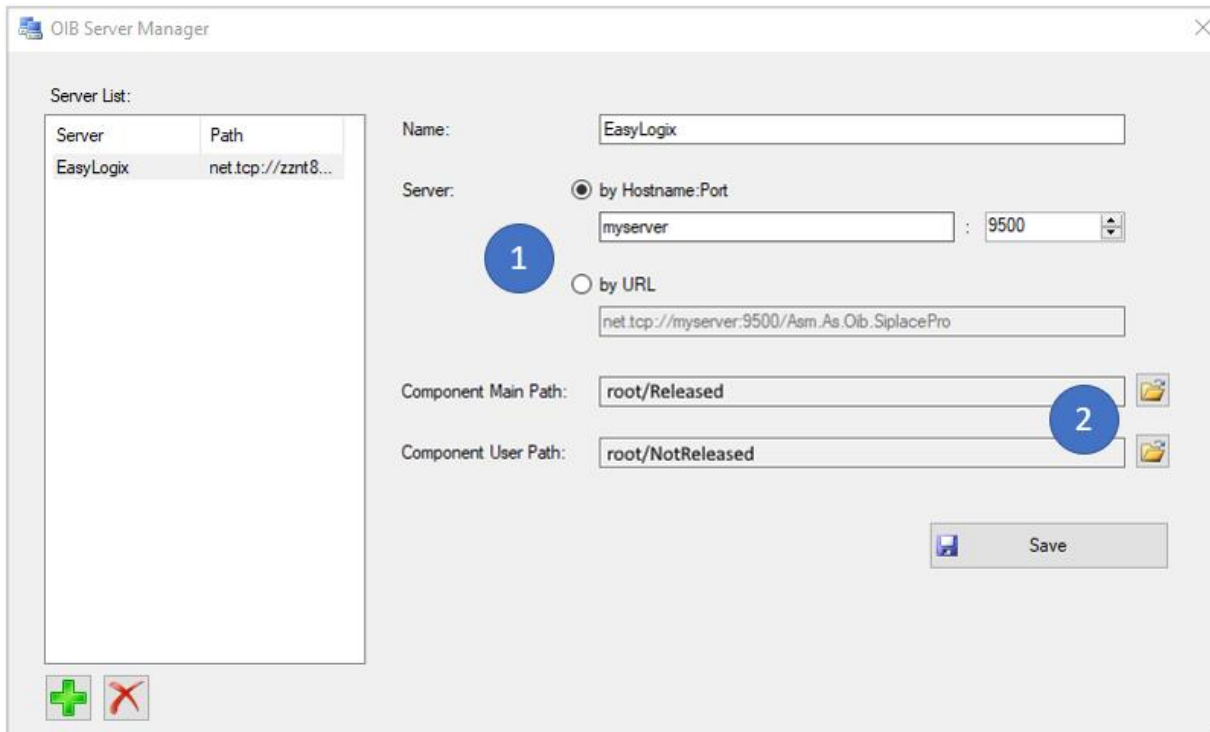
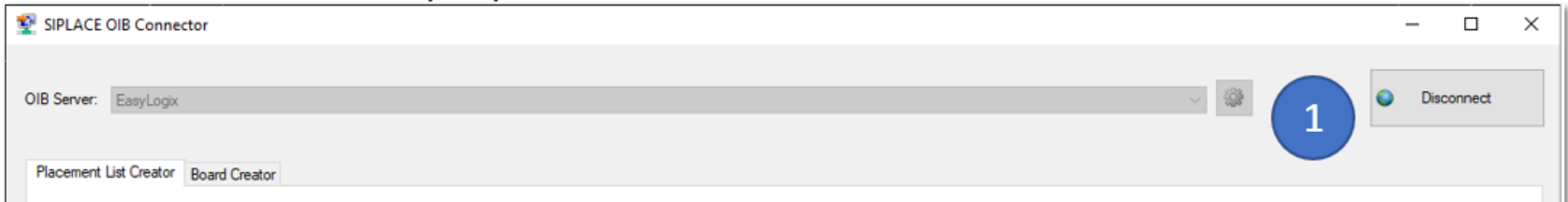
The PCBI Operations Information Broker (OIB) interface makes it easy to transfer all production-related data direct to the Siplace machine.

PCBI OIB also ensures process reliability by making sure all BOM setup is done correct and verified machine data and all process parameters are available.

https://manual.pcb-investigator.com/pages/siplace_oib_connector

Smart OIB Integration

Pick&Place line data preparation



Smart OIB Integration

The screenshot displays the SIPLACE OIB Connector software interface. The window title is "SIPLACE OIB Connector". The "OIB Server" is set to "EasyLogix". The "Placement List Creator" tab is active, showing the "Current Step" as "pcb". The "Group Components by:" is set to "Part Number". The "Component Type Filter" includes "SMT", "THT", and "Pressfit". A table lists components with columns for Name, References, Selected OIB Part, Status, and De. The selected component is 163627800, with references R3, R4 and selected OIB part 163627800. A detailed view of the component shows its package as sm0603 and body size as 1.524 x 2.362 mm. A 3D model of the component is shown with a green bounding box and a white label "sm0603". The "Move Part" and "Rotate Part" controls are visible, with the rotation set to 90.00 degrees. The "Create Placement List via OIB" button is highlighted. The interface includes a "Disconnect" button, a "Refresh List" button, and a "Match Parts via OIB" button. The status bar at the bottom indicates "Components with fitting OIB Package: 28" and "Components without fitting OIB Package: 5".

Name	References	Selected OIB Part	Status	De
163627700	R83,R84,R93,R94,R511,R...	163627700	OK	RE
163627800	R3,R4	163627800	OK	RE
163634100	C3	163634100 (POLARITY)	OK	TP
163634200	C10,C5,C1,C2,C81,C82	163634200	OK	KE
163634200	C7,C12,C8,C11	163634200	OK	KE
163634300	IC1,IC2,IC3,IC4	163634300 (POLARITY)	Selected OIB Part does not...	DH
163634400	U11	163634400	OK	IC
166887100	IC5	166887100 (POLARITY)	Selected OIB Part does not...	IC
166903600	C16,C15	166903600	OK	KE
166903600	C17,C14	166903600	OK	KE
169608500	C13,C4	169608500	OK	PC
169608500	C9,C6	169608500	OK	PC

OIB Name	OIB Package	Comment	SizeX	SizeY
163627800	1,6*0,8*0,5(102)	WID CHIP 0603 10K 1% T...	1.500 mm	0.800 mm

Sync all information during placement setup between the ODB++ design and the component definition on the ASM server

Smart OIB Integration

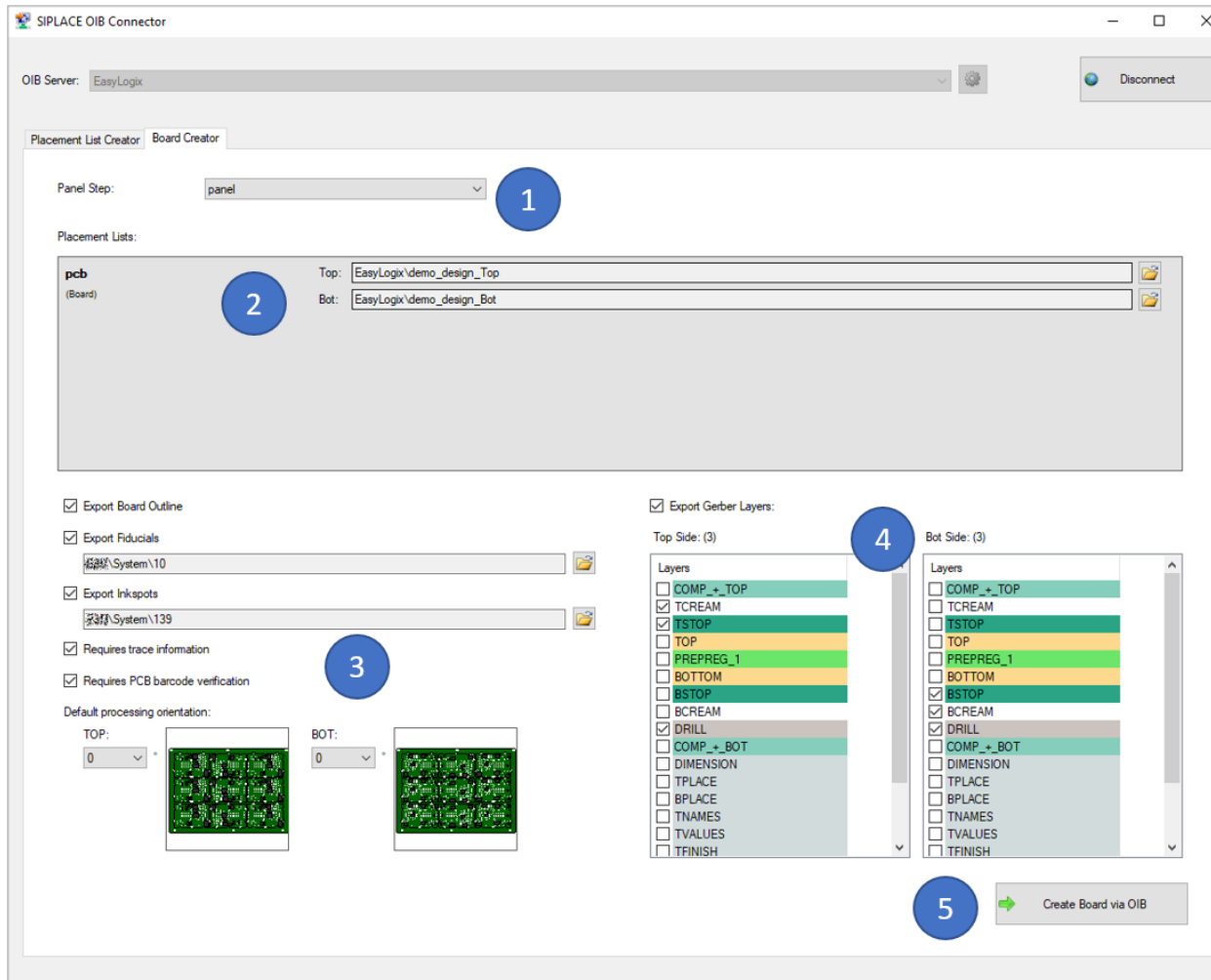
The screenshot displays the SIPLACE OIB Connector interface, split into two panels. The left panel shows the 'Placement List Creator' window with a table of components. A red box highlights a row where the 'Selected OIB Part' is '163634300 (POLARITY)' and the status is 'Selected OIB Part does not...'. The right panel shows a similar window where a red circle highlights a rotation adjustment of 90.00 degrees for the same component.

Name	References	Selected OIB Part	Status
163627700	R83,R84,R93,R94,R511,R...	163627700	OK
163627800	R3,R4	163627800	OK
163634100	C3	163634100 (POLARITY)	OK
163634200	C10,C5,C1,C2,C81,C82	163634200	OK
163634200	C7,C12,C8,C11	163634200	OK
163634300	IC1,IC2,IC3,IC4	163634300 (POLARITY)	Selected OIB Part does not...
163634400	U11	163634400	OK
166887100	IC5	166887100 (POLARITY)	Selected OIB Part does not...
166903600	C16,C15	166903600	OK
166903600	C17,C14	166903600	OK
169608500	C13,C4	169608500	OK
169608500	C9,C6	169608500	OK

Adjust rotation mismatch during design preparation. The major advantage is you have all information about the layout while you do the task.

Smart OIB Integration

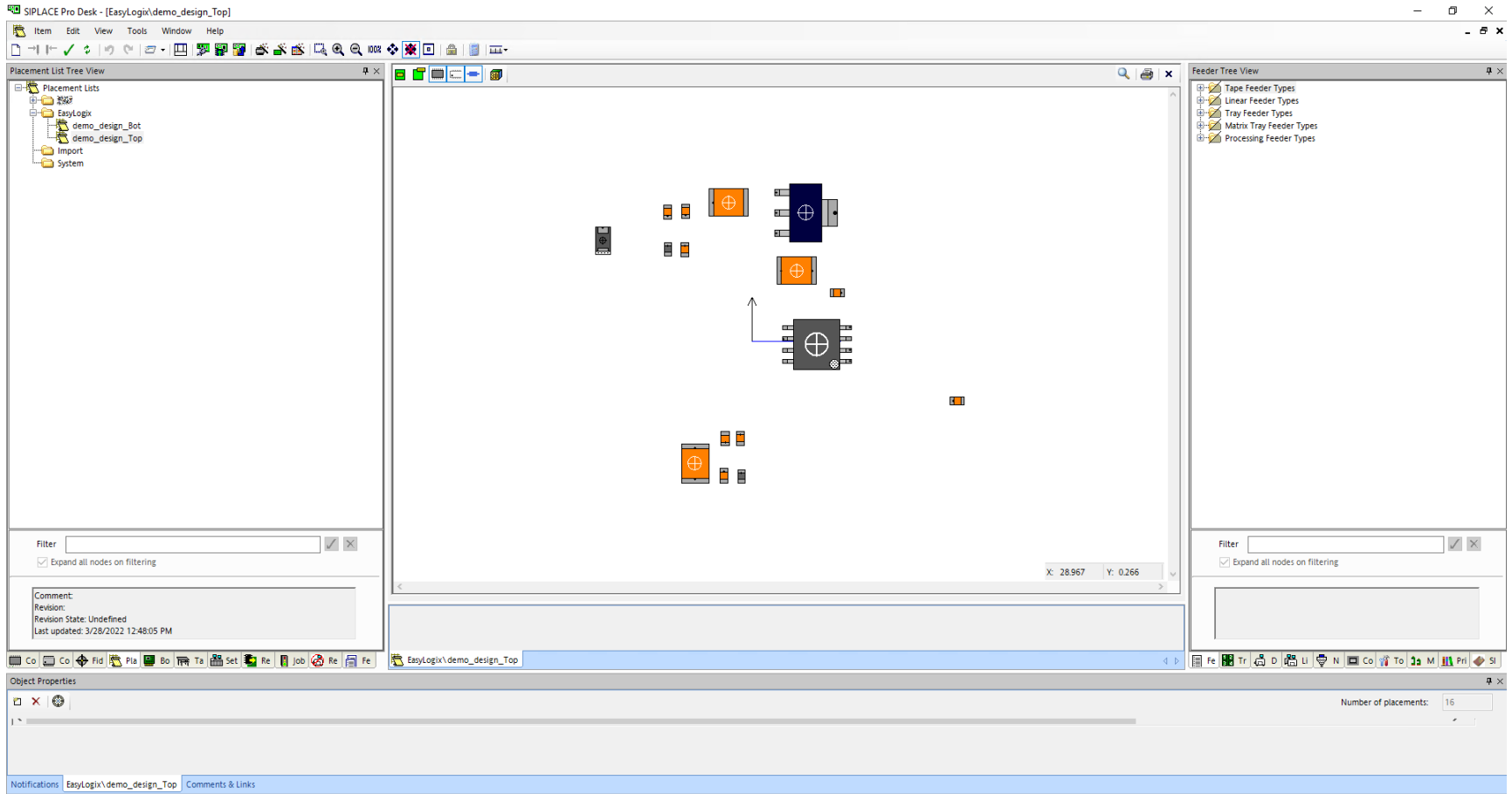
Connect PCB-Investigator with your ASM OIB Server



Define all the layers which should be available on the machine during production. This makes it easy to troubleshoot.

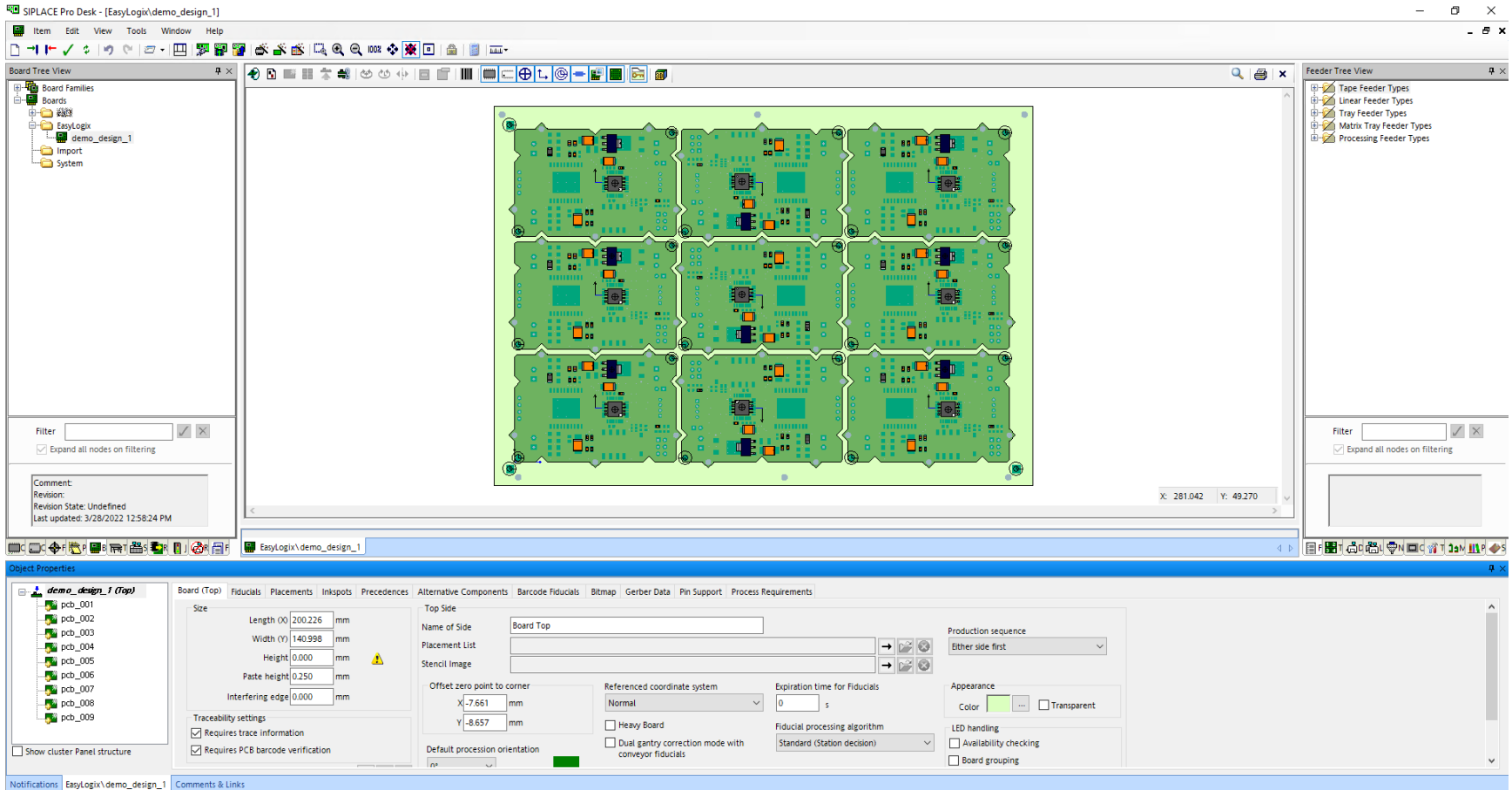
Smart OIB Integration

Transfer all component data to the machine.



Smart OIB Integration

Set up further production parameters after transfer



Smart OIB Integration

Even all fiducials are set automatically.

The screenshot displays the SIPLACE Pro Desk interface for a project named 'demo_design_1'. The main workspace shows a 3D perspective view of a PCB assembly with various components and fiducials. The interface is divided into several panels:

- Board Tree View:** Shows the project hierarchy, including 'Board Families', 'Boards', 'EasyLogix', 'demo_design_1', 'Import', and 'System'.
- Feeder Tree View:** Lists feeder types such as 'Tape Feeder Types', 'Linear Feeder Types', 'Tray Feeder Types', 'Matrix Tray Feeder Types', and 'Processing Feeder Types'.
- Object Properties:** A panel at the bottom showing settings for 'Fiducials'. It includes a table of fiducial data and checkboxes for 'Enable preselection of Board Locator Fiducials' and 'Use placements as fiducials'.

Reference Designator	Fiducial Type	X	Y	Angle	Tolerance Mode	Tolerance	Component Fiducial	Panel Fiducial	Teach Position	Disable	Placement Position Reference
demo_design_1_FID1	System \10	-1.661	-2.657	0.000	Use Field Of View	-	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(None)
demo_design_1_FID2	System \10	186.565	-2.657	0.000	Use Field Of View	-	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(None)
demo_design_1_FID3	System \10	-1.661	125.341	0.000	Use Field Of View	-	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(None)

PCBI PLM / Desktop and Web

Date security

All data is stored encrypted on a secure azure drive

The use of PCBI 365 Web allows to visualize data to suppliers and in the production, while keeping the data protected on the server.

All services use SSL encryption

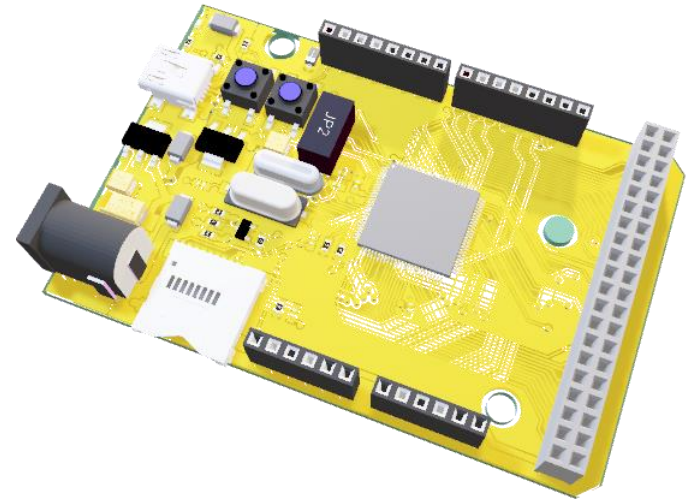
The data connection is established directly to the online storage and does not run on any other server. This saves server costs and increases security.



PCBI 365 / Desktop and Web

All data is stored in a managed version control environment

- Project data
- Analysis rules
- Customized automations
- Component Libraries
- Symbol Libraries
- Panel Libraries



Communication

Collaboration is a key aspect of PCB data management, and it can help to streamline the design and production process. A collaboration inbox allows for easy communication and coordination between team members and stakeholders, ensuring that everyone is on the same page.

Design reviewed acknowledgement is a tool that allows the designer to confirm that their design has been reviewed by the necessary parties and any feedback or suggestions have been taken into account.

Changes accepted feature enables the designer to approve any changes made to their design. Return of suggestions feature allows stakeholders to provide feedback and suggestions on the design and for the designer to incorporate these changes.

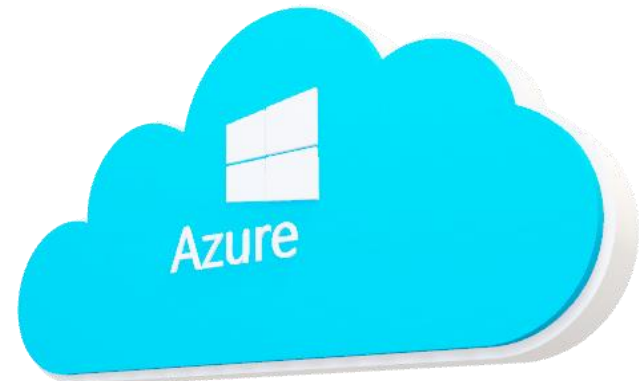
An E-Mail copy of information feature allows team members and stakeholders to receive updates on the design progress and any important information through their email.

All these features help to facilitate collaboration between team members and stakeholders, while also ensuring that the design is accurate and that any issues are addressed in a timely manner.

PCBI 365 / Desktop and Web

System

- Data access through Local Drive, Online Drive, Web Request or SQL Database
- Server Scaling auto or manual
 - Processor Type
 - Processor Count
- PLM Extension
 - Store Data on Web accessible place
 - Get Data from Customer storage



Advantages

- Administration
 - Only one License
 - Just one Server to Update
- Data
 - No need to share
 - Only one Version
 - Global availability
 - No visualization differences
- Security
 - SSL Protected
 - Managed Data Download



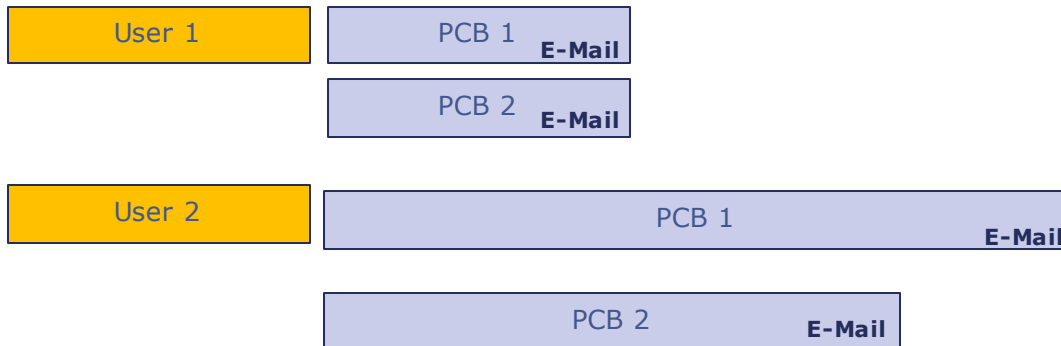
Designs Sharing

- Time restricted Design Sharing

- Make a design available for a certain time
- Admin can restrict the sharing period
- Sharing through E-Mail without an Account
- ->Receiver can view data online for the defined period
- No registration necessary
- Limiting accessibility to certain IP's



Collaborator's



License Management

- Server License
 - Amount of instances
 - Amount of Storage Space
- Available functions
 - Viewing
 - Data Download
 - DRC
 - DFM



Extensions

Request Customized Functions

Get in touch,

info@easylogix.de

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Useful Links:

PCB-Investigator

www.pcb-investigator.com

PCBi-Physics

www.PCBi-Physics.com

Native Board Import (3D Interface to CATIA, SiemensNX, SolidWorks, SolidEdge)

www.sts-development.biz

GerberLogix

www.gerberLogix.com

Online Gerber Viewer

www.Gerber-Viewer.com

Software Development, CAD Converter, data connection

www.easylogix.de