



EASYLOGIX.DE

PCBI EPL



EPL 01/2023



EPL managed library

Our managed library is a collection of design resources that are organized and maintained in a centralized location. It is recommended for PCB assembly NPI (new product introduction) because it offers several advantages:

- 1. Standardization:** A managed library ensures that all design resources, such as component footprints and symbols, adhere to a set of standards. This helps to eliminate errors and inconsistencies in the design process.
- 2. Efficiency:** Designers can easily access and reuse resources from the managed library, which saves time and effort compared to creating them from scratch.
- 3. Collaboration:** A managed library allows multiple designers to access and contribute to the same set of resources, which promotes collaboration and helps to ensure that the most up-to-date and accurate resources are used.
- 4. Version control:** A managed library includes version control, which allows designers to track changes to resources and revert to previous versions if necessary.
- 5. Customization:** A managed library can be customized to fit the specific needs of a company or project, making it easier to adhere to internal standards and processes.



Why a managed library is recommended

PCB-Investigator's managed library offers a range of benefits to streamline your PCB assembly NPI process. With user right management, multiple users can access and contribute to the library, making collaboration easy even if team members are located in different locations. The library's easy distribution feature allows you to share resources with ease, ensuring that everyone has access to the most up-to-date and accurate data.

In addition, the library's common data source labels facilitate easy automation, allowing you to quickly and accurately design and assemble PCBs. Property value validation ensures that all resources meet the necessary standards and requirements, eliminating errors and improving efficiency. Overall, the managed library is a powerful tool that will help you bring your products to market faster and more efficiently.

- User right management
- Multiuser enabled
- Easy distribution over different location
- Common data source labels for easy automation
- Property value validation



License variants

Subscription Single User



For small companies with just one user doing data preparation

Subscription Multiple User per Company



For companies with at least 5 user doing data preparation

Terms: All resolved data are only allowed to be used within an PCB-Investigator design

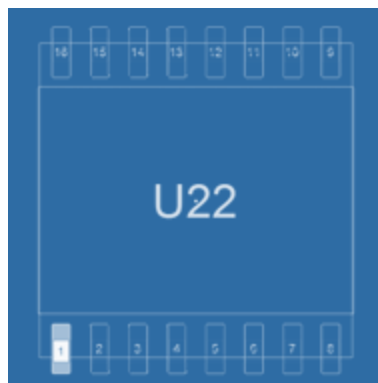
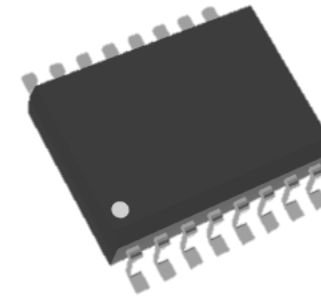


MPN quantity in subscription

Total number of components: 2,5 Mio

Components with 3D data:	1,2 Mio.
Components with Packages:	1,6 Mio.
Components with Test Model:	1,8 Mio

Total number of Packages:	834
Packages with Pin definition:	100%



Resistors:	830.000
Capacitors:	925.000
Inductors:	56.000
Diodes:	44.000
IC's:	300.000
Rest:	320.000



Part Matcher

Match design parts regarding MPN

Part Matcher

Select Manufacturer Part No: Part Number Property: MPN

Library Settings

Library 1: EPL

Overwrite all Properties Append new Properties

Component	MPN	Comp Mounting	Comp Ignore/Not in BOM
T7	ZA9710-AE	SMT	
T1	ZA9710-AE	SMT	
C19	UMK107AB7105KA-T	SMT	
C31	UMK107AB7105KA-T	SMT	
C75	UMK107AB7105KA-T	SMT	
C79	UMK107AB7105KA-T	SMT	
U14	UCC21732QDWQ1	SMT	
U15	UCC21732QDWQ1	SMT	
J2	TSW-106-08-T-D-RA	THMT	
J3	TSW-106-08-T-D-RA	THMT	
U1	TFS78250QDGNRQ1	SMT	
U3	TFS70950QDBVRQ1	SMT	
U5	TFS70950QDBVRQ1	SMT	
U12	TFS3700QDCCRQ1	SMT	
U13	TFS3700QDCCRQ1	SMT	
R100	TNPW060310R0BEEA	SMT	
R73	TNPW060310R0BEEA	SMT	
U4	TLV71333PQDBVRQ1	SMT	
U7	TLV71333PQDBVRQ1	SMT	
U20	TLV3201AIDCKR	SMT	
U23	TLV3201AIDCKR	SMT	
U19	TLV271QDBVRQ1	SMT	
U18	TLV271QDBVRQ1	SMT	
U16	TL431AQDBZRQ1	SMT	
C87	SR0603X7R103K1NTR5E/F#M123A	SMT	

Total: 432 / Filtered: 432 / Selected: 0

With Part Number: 432
Without Part Number: 0

Part Matcher: Results

Found (111) Not Found (15)

MPN Property	Component(s)
150060GS75000	D6, D7, D15
150060SS75000	D19, D20, D22, D23, D24, D27, D28, D29
1N4148XTP	D32, D38
5005	TP1, TP3, TP18, TP26
5006	TP2, TP24, TP23
ADS7049QDCURQ1	U11
AMC1311DWVR	U8
B260A13F	D1
BC857C7F	Q1, Q2
BZT52C187F	D4, D13
BZT52C8V27F	D9, D18
C1206C104J5RACTU	C66, C69, C72, C76
C1206C225K4RACTU	C20, C33
C2012X5R1E106K125AB	C18, C30
C3216X7R1H105K160AB	C67, C70, C73, C77
C5750X7S2A106K230KB	C1, C23
CC0402JRNPO9BN101	C81, C82, C83, C84, C85, C92, C93, C94, C95, C96
CRCW0402000Z0ED	R41, R78, R82
CRCW040210K0FKED	R48, R50
CRCW040210R0FKED	R39, R42
CRCW04021K82FKED	R51, R54
CRCW0402240KFKED	R47, R49
CRCW04023K32FKED	R4
CRCW040249K9FKED	R45, R46
CRCW04025K76FKED	R56, R57
CRCW0603000Z0EA	R71, R99, R29, R79, R105

Total: 111 / Filtered: 111 / Selected: 1

Found MPNs: 111
Not found MPNs: 15

Reference: Q1
Package: SOT-23
Body Size: 114.176 x 93.306 mils

Library-Part: BC857C7F
Manufacturer: DIODES ZETEX
Body Size: 51.181 x 114.173 mils

Match Editor Close



Part Matcher

Start Fabrication View Selection Developer Analysis Extras Help PCB 365 Signing Output Preparation Plugin Scripts Viscom Panel Stencil EPL

Report EPL Update
Part Matcher

PCB

Layer 1 Info

- comp_*_top 1 Qty 365; Component: Board
- top_overlay 34.3 µm; Signal; Board
- top_paste 34.3 µm; Solder_paste; Board
- top_solder 2.5 µm; Solder_mask; Board
- top_layer 34 µm; Qty 3148; Signal; Board
- power 34.4 µm; Signal; Board
- ground 34.4 µm; Signal; Board
- bottom_layer 34 µm; Signal; Board
- bottom_solder 2.5 µm; Solder_mask; Board
- bottom_paste 34.3 µm; Solder_paste; Board
- bottom_overlay 34.3 µm; Signal; Board
- drill 34.3 µm; Qty 457; Drill; Board
- comp_*_bot Component: Board
- keep-out_layer 34.3 µm; Document; Mac
- m1_board_outline 34.3 µm; Document; Mac
- m2_board_dimensions 34.3 µm; Document; Mac
- m3_3d_step_top 34.3 µm; Document; Mac
- m4_3d_step_bottom 34.3 µm; Document; Mac

Map Stack Up CMPs Nets Properties DFT Error-Log

2D View 3D View

Match Editor

Not Found:

Component	MPN Property	Assigned
C64	Capacitor	
C65	Capacitor	
D5	CMOD4448	
D14	CMOD4448	
D2	DFL224-7	
D11	DFL224-7	
MO1	FF409D7401E...	
F101	Fusical	
F102	Fusical	
F103	Fusical	
F104	Fusical	
F105	Fusical	
F106	Fusical	
F107	Fusical	
J1	DSTVIND150	
R82	Resistor	
R64	Resistor	
R88	Resistor	
R90	Resistor	
S1	SRKRAE010	
S2	SRKRAE010	
S3	SRKRAE010	
S4	SRKRAE010	
S5	SRKRAE010	
S6	SRKRAE010	
C87	SR0603X7R103...	
C88	SR0603X7R103...	
C90	SR0603X7R103...	

Library: EPL

Filter:

- Pin Count
- Package Name
- Category

Size X: 43.2671, Size Y: 23.582, Tolerance: ± 5 %

MPN Description Size X Size Y Pins Package Name

MPN	Description	Size X	Size Y	Pins	Package Name
F380108MUA	CAP TANT 20UF 20V 6V 0402	43.30709	23.62204	2	0402
LQP15MM10NG...	HIGH FREQUENCY INDUCTOR 10...	43.30709	23.62205	2	0402
MLK1005S3N9S7	INDUCTOR RF CHIP UNSHIELDED...	43.30709	23.62205	2	0402
MLK1005S18NJ	18NH ±5% 250MA 600MQ HF INDU...	43.30709	23.62205	2	0402
LQP15MM1NDB0	HIGH FREQUENCY INDUCTOR 1 N...	43.30709	23.62205	2	0402
LQW15ANSNG0D0	INDUCTOR RF CHIP UNSHIELDED...	43.30709	23.62205	2	0402
MLK1005S3N3S7	HIGH FREQUENCY INDUCTOR 3.3...	43.30709	23.62205	2	0402
MLK1005S3N3S5	3.3NH ±0.3NH 700MA 200MQ HF IN...	43.30709	23.62205	2	0402
MLK1005S10MLJ	10NH ±5% 350MA 220MQ HF INDU...	43.30709	23.62205	2	0402
F380108MUA	CAP TANT POLYMER	43.30708	23.62204	2	0402
MLK1005S9N1J	FIXED INDUCTORS 9 1 NH 5%	43.30709	23.62205	2	0402
LQP15MM1N1W...	FIXED INDUCTORS 1 1NH 0402	43.30709	23.62205	2	0402
MLK1005S9N3J	6.9NH ±5% 400MA 350MQ INDUCT...	43.30709	23.62205	2	0402
MLK1005S12NJ	HF INDUCTORS	43.30709	23.62205	2	0402
MLK1005S3N6S5	3.9NH ±0.3NH 700MA 200MQ HF IN...	43.30709	23.62205	2	0402
MLK1005S1NDS	HIGH FREQUENCY INDUCTOR 1 N...	43.30709	23.62205	2	0402
MLK1005S9N4T	HIGH FREQUENCY INDUCTOR 6.8...	43.30709	23.62205	2	0402
F380G478MUA	CAP TANT 4.7UF 20V 4V 0402	43.30708	23.62204	2	0402
MLK1005S12NLT	INDUCTOR RF CHIP UNSHIELDED...	43.30709	23.62205	2	0402
LQDC5N1SVT	HIGH FREQUENCY INDUCTOR 5.1...	43.30709	23.62205	2	0402
HR16213CL423	EMITTER IR 650NM 65MA 1005	44	24	2	0402
F381A228MUA	CAP TANT 2.2UF 20V 10V 0402	43.30708	23.62204	2	0402
MLK1005S9N1J	FIXED INDUCTORS 9 1NH 4200MH...	43.30709	23.62205	2	0402
VMMK3113BLK	IC RF DETECT 2GHZ-6GHZ WLP0402	44	24	2	0402
VMMK3313TRIG	IC RF DETECT 15GHZ-33GHZ WLP...	44	24	2	0402

Library Part: LQP15MM10NG0D0
Manufacturer: MURATA MANUFACTURING
Body Size: 43.307 x 23.622 mils

Details Save

Component Properties

Details Pin Overview

C50

Update with Selection Change

Component Information

- PartName: Capacitor
- Reference: C50
- Variant: (Standard)
- VariantCount: 0
- Component_Bounds: [0x-13.352186; 1+2.87628; Width+1.99796]
- Component_CenterPoint: [0x-14.3509873; 1+3.176]
- CompValue: -
- CompTolerance: -
- IsTop: True
- Tolerance: -
- Component_Height: 0.5994
- Color: []
- Polarity/Material: -

Package Information

- UserPackage Name: 0402

Transformation

- Position_X: 14.351
- Position_Y: 3.175
- Rotation: 180
- MinorX: False
- MinorY: False

Position_X: []
Position_Y: []
Location X of component in selected unit.

Attribute Value

- Geometry Height: 23.6 mil
- MPN: Capacitor
- Height: 0.5994
- Mount Type: SMT

Component_Package_Height: 0
InsertCenter_X: 0
InsertCenter_Y: 0
Package_Bounds: [0x-0.9987788; 1+0.29972; Width+1.9979601]
Package_Name: 0402
PinCount: 2
Pitch: 1.200001389999998

Attribute Value

- stepfile_centerX: 0
- stepfile_centerY: 0
- stepfile_centerZ: 0.55401
- stepfile_maxX: 0.4953

X: 9.8356mm Y: 4.7767mm ZF: 62.362



Part Matcher

Match Editor

Not Found:

Component	MPN Property	Assigned
TP19	0508-0-00-15-00...	
TP20	0508-0-00-15-00...	
TP21	0508-0-00-15-00...	
TP22	0508-0-00-15-00...	
TP25	0508-0-00-15-00...	
TP13	5122	
TP14	5122	
TP15	5122	
TP16	5122	
J4	90122-0763	
C50	Capacitor	
C64	Capacitor	
C65	Capacitor	
D5	CMDD4448	
D14	CMDD4448	
D2	DFLZ24-7	
D11	DFLZ24-7	
MD1	FF400R07A01E...	
FID1	Fiducial	
FID2	Fiducial	
FID3	Fiducial	
FID4	Fiducial	
FID6	Fiducial	
FID5	Fiducial	
J1	OSTVN02A150	
R62	Resistor	
R64	Resistor	
R88	Resistor	
R90	Resistor	
S1	SKRKAEE010	
S2	SKRKAEE010	
S3	SKRKAEE010	
S4	SKRKAEE010	
S5	SKRKAEE010	
S6	SKRKAEE010	
C87	SR0603X7R103...	
C88	SR0603X7R103...	
C98	SR0603X7R103...	
C89	SR0603X7R103...	

Total: 55 / Filtered: 55 / Selected: 1

Library: EPL

Filter:

- Pin Count: 2
- Package Name: 0402
- Category: Other
- Size X: 43.2671
- Size Y: 23.582
- Tolerance: ± 5 %
- Tolerance (neg.)
- Tolerance (pos.)

MPN	Description	Size X	Size Y
F980J106MUA	CAP TANT 10UF 20% 6.3V 0402	43.30708	23.62204
LQP15MN10NG...	HIGH FREQUENCY INDUCTOR, 10 ...	43.30709	23.62205
MLK1005S3N9ST	INDUCTOR RF CHIP UNSHIELDED ...	43.30709	23.62205
MLK1005S18NJ...	18NH ±5% 250MA 600MQ HF INDU...	43.30709	23.62205
LQP15MN1N0B0...	HIGH FREQUENCY INDUCTOR, 1 N...	43.30709	23.62205
LQW15AN68NG00	INDUCTOR RF CHIP UNSHIELDED ...	43.30709	23.62205
MLK1005S3N3ST	HIGH FREQUENCY INDUCTOR, 3.3...	43.30709	23.62205
MLK1005S3N3S...	3.3NH ±0.3NH 400MA 220MQ INDU...	43.30709	23.62205
MLK1005S10NJ...	10NH ±5% 350MA 230MQ HF INDU...	43.30709	23.62205
F380J105MUA	CAP TANT POLYMER	43.30708	23.62204
MLK1005S9N1J...	FIXED INDUCTORS 9.1 NH 5%	43.30709	23.62205
LQP15MN1N1W...	FIXED INDUCTORS 1.1NH 0402	43.30709	23.62205
MLK1005S6N8J...	6.8NH ±5% 400MA 350MQ INDUCT...	43.30709	23.62205
MLK1005S12NJ...	HF INDUCTORS	43.30709	23.62205
MLK1005S3N9S...	3.9NH ±0.3NH 700MA 200MQ HF IN...	43.30709	23.62205
MLK1005S1N0S	HIGH FREQUENCY INDUCTOR, 1 N...	43.30709	23.62205
MLK1005S6N8JT	HIGH FREQUENCY INDUCTOR, 6.8...	43.30709	23.62205
F980G475MUA	CAP TANT 4.7UF 20% 4V 0402	43.30708	23.62204
MLK1005S12NJT	INDUCTOR RF CHIP UNSHIELDED ...	43.30709	23.62205
L07C5N1SV6T	HIGH FREQUENCY INDUCTOR, 5.1...	43.30709	23.62205
HIR16213CL423...	EMITTER IR 850NM 65MA 1005	44	24
F981A225MUA	CAP TANT 2.2UF 20% 10V 0402	43.30708	23.62204
MLK1005S9N1J...	FIXED INDUCTORS 9.1NH 420MOH...	43.30709	23.62205
VMMK3113BLKG	IC RF DETECT 2GHZ-6GHZ WLP0402	44	24
VMMK3113TR1G	IC RF DETECT 15GHZ-33GHZ WLP...	44	24

Total: 145 / Filtered: 145 / Selected: 1

Description: Capacitor

Reference: C50
Package: 0402
Body Size: 43.267 x 23.582 mils

Library-Part: LQP15MN10NG02D
Manufacturer: MURATA MANUFACTURING
Body Size: 43.307 x 23.622 mils

Details Save

Match design parts regarding component properties



EPL Easylogix Parts Library



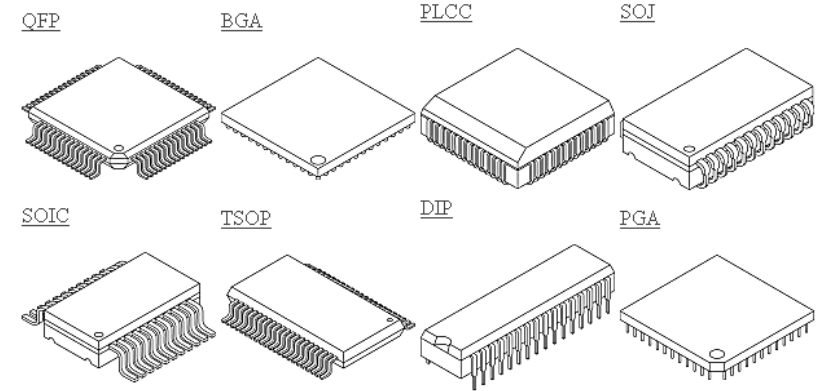
EPL Library

Search request Material Part Number Manufacturer
{ Rest:API }

➤ Search response

Mpn	Manufacturer	FamilyName	AliasesJson	MountingType	PackageName	PackageType	Category	Subcategory	Value	Unit	SizeX	SizeY	SizeZ	PinCount	Pitch
MSP430A139IPZR	Texas Instruments	IC	["MSP430A139IPZR"]	SMD	LQFP	VLGA	QFP	QFP	0		276	276	551	100	0,5

3D STEP if available
(otherwise extrusion from size)



PCB-Investigator





Part Search



PCB-Investigator



Define Filter

All conditions must be fulfilled (AND)
 At least one condition must be fulfilled (OR)

Property	Value
Name	Name
3D Information	STEP_FILEPATH STEP_OFFSET STEP_ROTATION
Geometry	Part Height PinCount Pitch Real Body Outline SizeX SizeY Testprobe Keepout
Links	BSDL File Link BXL File Link IBIS File Link Part Package Data Link SPICE File Link
Material	Approved
Package	ODBPackageDefinition PackageName PackageType
Part Information	Family Name Manufacturer Mounting Type Part Category Part Subcategory Polarity Marker Test Models
Physics	PHYSICS_MATERIAL PHYSICS_RJ_BOARD PHYSICS_RJ_TOP
Value	Part Unit Part Value Tolerance Negative Tolerance Positive

PinCount
Examples: '=5', '>6.7', '<=8.1', '1=4', '10-15'

Part Height
The depth of a component in frontal top-down view. [Unit MM/Inch]
Examples: '=5', '>6.7', '<=8.1', '1=4', '10-15'

PinCount
Examples: '=5', '>6.7', '<=8.1', '1=4', '10-15'

Search for parts using known properties




Part Information



PCB-Investigator



Add / Edit Properties (ID=572621)

 CA064X22K2RAC7800

Description: CAP ARRAY 2200PF 200V X7R 0612
Size: Unknown

Type: Part Library Checked-Out:
Created by: christopher Schicklgruber Changed by: Sebastian Spohr
Created at: 2020.10.29 - 11:35:01 Changed at: 2022.07.01 - 17:03:53

ID
File ID: 572621
Storage ID: f8c9b822-8439-4481-92f6-d4bbc5651329

Description
Description: CAP ARRAY 2200PF 200V X7R 0612

3D Information
STEP_FILEPATH
STEP_OFFSET
STEP_ROTATION

Geometry
Part Height: 799.999924 µm
PinCount: 8
Pitch: 800.000432 µm
Real Body Outline
SizeX: 1.600000 mm
SizeY: 3.200000 mm
Testprobe Keepout

Links
BSDL File Link
BXL File Link
IBIS File Link
Part Package Data Link: pcbi365://EasyLogixShared/PackageLibrary/PackageLibraryRoot/EPackLib/0612.2248985
SPICE File Link

Material
Approved

Other
Preview Image: (Keine)

Package
ODBPackageDefinition: CTOB 0.0315020 -0.0418307 IOS 0.0315020 -0.0551181OS 0.0314964 -0.0551181OS 0.0314961 -0.0629922OS -0.0314961 -0.0629922OS
PackageName: 0612
PackageType: C_ARRAY

Part Information
[List] Additional Data: [{"id": "141", "mpn": "CA064X22K2RAC7800", "category": "capacitors.capacitor-networks-arrays", "datasheetlink": "https://api.kemet.com/CA064X22K2RAC7800"}]
[List] Aliases: CA064X22K2RAC7800
[List] Datasheet Links: https://api.kemet.com/component-edge/download/datasheet/CA064X22K2RAC7800.pdf
[List] Part Image URLs: https://media.digkey.com/Renders/Kemet%20Renders/0612%20(1632%20Metric)%20Kemet.jpg
[List] Part Taxonomy Paths: capacitors/capacitor-networks-arrays
Family Name:
Manufacturer: KEMET
Mounting Type: Surface Mount
Part Category: Capacitor
Part Subcategory: ARRAY
Polarity Marker: 1
Test Models: <?xml version="1.0"?><ArrayOfBaseModel xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema" />

Physics
PHYSICS_MATERIAL
PHYSICS_RJ_BOARD
PHYSICS_RJ_TOP

Value
Part Unit: F
Part Value: 0.0000000022
Tolerance:
Tolerance Negative: 10
Tolerance Positive: 10

File ID
[String] Unique File ID

Apply Cancel

Properties sample from a component



Part Information



PCB-Investigator



Part Library Manager

Loaded Library: EPL

Part Library

Count per Page: 100

Part Number	Manufacturer	Package Name	Package Type	Pin Count	Part Height	Size X	Size Y	Pitch	Tolerance	Part Category	Part Subcategory	Mounting Type	Family Name	Tolerance Positive	Tolerance Negative	Part Value	Part Unit	Part Package Data Link	ODP Package D.	Polarity Marker
CA064X103K1RACAU0	KEMET	0612	C_ARRAY	8	0.900	1.600	3.200	0.800	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.00000010	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031502...	1
CA064X103K1RACU	KEMET	0612	C_ARRAY	8	0.800	1.600	3.200	0.800	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.00000010	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031502...	1
CA064X103K2RAC7800	KEMET	0612	C_ARRAY	8	0.900	1.600	3.200	0.800	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.00000010	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031502...	1
CA064X103K2RACAU0	KEMET	0612	C_ARRAY	8	0.900	1.600	3.200	0.800	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.00000010	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031502...	1
CA064X153K1RAC7800	KEMET	0612	C_ARRAY	8	0.900	1.600	3.200	0.800	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.00000015	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031502...	1
CA064X153K1RACAU0	KEMET	0612	C_ARRAY	8	0.900	1.600	3.200	0.800	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.00000015	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031502...	1
CA064X222K2RAC7800	KEMET	0612	C_ARRAY	8	0.800	1.600	3.200	0.800	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.00000002	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031502...	1
CA064X222K2RACAU0	KEMET	0612	C_ARRAY	8	0.900	1.600	3.200	0.800	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.00000002	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031502...	1
CA064X222K2RACU	KEMET	0612	C_ARRAY	8	0.800	1.600	3.200	0.800	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.00000002	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031502...	1
CA064X223K1RAC7800	KEMET	0612	C_ARRAY	8	0.900	1.600	3.200	0.800	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.00000022	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031502...	1
CA064X223K1RACU	KEMET	0612	C_ARRAY	8	0.800	1.600	3.200	0.800	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.00000022	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031502...	1
CA064X332K2RAC7800	KEMET	0612	C_ARRAY	8	0.900	1.600	3.200	0.800	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.00000003	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031502...	1
CA064X332K2RACAU0	KEMET	0612	C_ARRAY	8	0.900	1.600	3.200	0.800	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.00000003	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031502...	1
CA064X332K2RACU	KEMET	0612	C_ARRAY	8	0.800	1.600	3.200	0.800	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.00000003	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031502...	1
CA064472K2RAC7800	KEMET	1206	C_ARRAY	8	0.900	3.200	1.600	2.600	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.00000005	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031502...	1
CA064X223K1RACAU0	KEMET	0612	C_ARRAY	8	0.900	1.600	3.200	0.800	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.00000022	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031502...	1
CKCA43COG1H100F100AA	TDK	1206	C_ARRAY	8	1.150	3.200	1.600	2.750	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.0000000010	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031889...	1
CKCA43COG1H101K100AA	TDK	1206	C_ARRAY	8	1.150	3.200	1.600	2.750	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.0000000010	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031889...	1
CKCA43COG1H102K100AA	TDK	1206	C_ARRAY	8	1.150	3.200	1.600	2.750	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.0000000010	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031889...	1
CKCA43COG1H150K100AA	TDK	1206	C_ARRAY	8	1.100	3.200	1.600	2.750	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.0000000015	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031889...	1
CKCA43COG1H151K100AA	TDK	1206	C_ARRAY	8	1.100	3.200	1.600	2.750	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.0000000150	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031889...	1
CKCA43COG1H220K100AA	TDK	1206	C_ARRAY	8	1.150	3.200	1.600	2.750	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.0000000022	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031889...	1
CKCA43COG1H221K100AA	TDK	1206	C_ARRAY	8	1.150	3.200	1.600	2.750	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.0000000022	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031889...	1
CKCA43COG1H330K100AA	TDK	1206	C_ARRAY	8	1.100	3.200	1.600	2.750	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.0000000033	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031889...	1
CKCA43COG1H331K100AA	TDK	1206	C_ARRAY	8	1.100	3.200	1.600	2.750	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.0000000033	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031889...	1
CKCA43COG1H470K100AA	TDK	1206	C_ARRAY	8	1.150	3.200	1.600	2.750	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.0000000047	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031889...	1
CKCA43COG1H471K100AA	TDK	1206	C_ARRAY	8	1.000	1.600	3.200	2.750	+10.0 / -10.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	10.000	10.000	0.0000000047	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031502...	1
CKCA43SR1H473M100AA	TDK	1206	C_ARRAY	8	1.150	3.200	1.600	2.750	+20.0 / -20.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	20.000	20.000	0.0000000010	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031889...	1
CKCA43SR1H102M100AA	TDK	1206	C_ARRAY	8	1.150	3.200	1.600	2.750	+20.0 / -20.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	20.000	20.000	0.0000000010	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031889...	1
CKCA43SR1H103M100AA	TDK	1206	C_ARRAY	8	1.150	3.200	1.600	2.750	+20.0 / -20.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	20.000	20.000	0.000000010	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031889...	1
CKCA43SR1H222M100AA	TDK	1206	C_ARRAY	8	1.150	3.200	1.600	2.750	+20.0 / -20.0	Capacitor	ARRAY	Surface Mount	Gebr. Sie T.	20.000	20.000	0.00000002	F	pcb365//EasyLogkShared/Packa...	CTOB 0.031889...	1

Total: 100 / Filtered: 100 / Selected: 1

Parts 1 - 100 of 103172

Close

Part Number: CA
Manufacturer: KE
Description: CA
Body Size: 18



Test Models



PCB-Investigator



- Takaya
- Seica
- Hp 3070
- Spea
- ...

Component Properties

Details All Pin Overview

C14

Update with Selection Change

Component Information

PartName	CGA4J3X7R1H105K125AB
Reference	C14
Variants	(Sammlung)
VariantCount	0
Component_Bounds	(X=-51.682897904, Y=27.48459451, Width=1.4500352, Height=3.00000416)
Component_CenterPoint	(X=-52.407915504, Y=28.98459659)
Comp.Value	1 µF
IsTop	True
Tolerance	'10'
Component_Height	1,25
Color	

Package Information

UsedPackName	0805_HV1
--------------	----------

Transformation

Position_X	52,407752944
Position_Y	28,9845965900000002
Rotation	90
MirrorX	False
MirrorY	False

Position_X
[read only] Location X of component in selected unit.

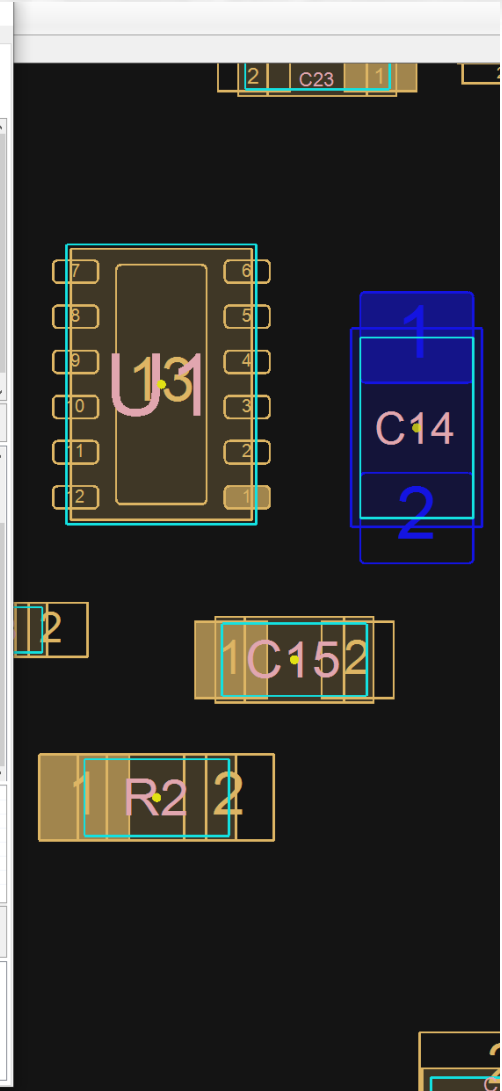
Attribute	Value
MANUFACTURER	TDK
MPN	'CGA4J3X7R1H105K125AB'
ORIGINAL_HEIGHT	57,1
ORIGINAL_MPIN	'CGA4J3X7R1H105K125AB'
ORIGINAL_TOLERANCE	-
ORIGINAL_VALUE	-
PACKAGE_GROUP	-
PART_HEIGHT	49.21260
PCB1365_ID	'8513'
PITCH	'0.00000'
REAL_BODY_OUTLINE	'Area MM 1 0.625 1 -0.625 -1 -0.625 -1 0...
SIZEX	49.21260
SIZEY	78.74016
TEST_MODELS	TDK_CGA4J3X7R1H105K125AB.xml'
TOL	'10'
TOLERANCE	'10'
Value	1 µF
VALUE	1 µF
Height	1,25
Mount Type	SMT

Component_Package_Height

Component_Package_Height	0
InsertCenter_X	0
InsertCenter_Y	0
Package_Bounds	(X=-1.50000208, Y=0.72485504, Width=3.00000416, Height=1.4500352)
Package_Name	0805_HV1
PinCount	2
Pitch	2.00000108

Component_Package_Height
[read only] Package definition height (default value for components of not overwritten by own property). There is no clear definition of the package height unit it will be handled as mits internal.

Attribute	Value
-----------	-------





Files connected to parts



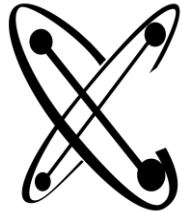
PCB-Investigator



- STEP
 - BSDL
 - IBIS
 - XML
 - ...
- 3D
Boundary Scan
Input/Output Buffer Information
Test Models



Real Body size of components



PCB-Investigator



The screenshot shows the 'Component View Setup' dialog box on the left, which is used to configure how components are displayed. The 'Component Setup' section includes options for 'Label' (View Ref, View Partname, View Rotation, View Package, View CompHeight, View Value, View reflow, View Nothing), 'Pin Information' (View Pins, Highlight first Pin, View Pin Label, Geometry Names, Component Names, Special Names), 'Insert Point' (Highlight insert Point, Insert Point Unit), 'Component Edge Width', and 'Component Transparency Value'. The 'Component/Package Areas' section shows 'REAL_BODY_OUTLINE' selected, with 'Draw Filled' set to False, 'Fill Color' set to 0: 255; 255, 'Draw Outline' set to True, 'Line Style' set to Solid, 'Line Color' set to 0: 255; 255, and 'Type' set to REAL_BODY_OUTL.

The main PCB layout area shows several component footprints. A large component labeled 'U131' is highlighted with a yellow border. Other components like 'C14', 'C152', and 'R2' are also visible, with some having blue or yellow borders. The pins of these components are shown as small rectangles with numbers.

If a 3D model is available also the pins are shown

Pads from 3D model are red





EPL Part Information



PCB-Investigator



Part Library Manager

Loaded Library: EPL

Part Library

Count per Page: 100

Part Number	Manufacturer	Pa...	Package Type	P...	Pa...	SizeX	SizeY	Pitch	Value	Tolerance	Part Ca...	Part S...	Mounting Ty...	Family Name	Toler...	Toler...	Part Value	P...	Part Packa...	ODBPackageD...
GRM0335C1H150JA01D	MURATA	0201		2	0.300	0.600	0.300	0.500	15 pF	+5.0 / -5.0	Capacitor	Ceramic	Surface Mount		5.000	5.000	0.000000000015	F	pcb365/...	CTOB-0.01181...
GRM0335C1H1R2CA01D	MURATA	0201		2	0.300	0.600	0.300	0.500	1.2 pF	+20.8 / -20.8	Capacitor	Ceramic	Surface Mount		20.833	20.833	0.000000000001	F	pcb365/...	CTOB-0.01181...
GRM0335C1H330JA01D	MURATA	0201		2	0.300	0.600	0.300	0.500	33 pF	+5.0 / -5.0	Capacitor	Ceramic	Surface Mount		5.000	5.000	0.000000000033	F	pcb365/...	CTOB-0.01181...
GRM0335C1H101JA01D	MURATA	0201		2	0.300	0.600	0.300	0.500	100 pF	+5.0 / -5.0	Capacitor	Ceramic	Surface Mount		5.000	5.000	0.000000000100	F	pcb365/...	CTOB-0.01181...
GRM0335C1E120JA01D	MURATA	0201		2	0.300	0.600	0.300	0.500	12 pF	+5.0 / -5.0	Capacitor	Ceramic	Surface Mount		5.000	5.000	0.000000000012	F	pcb365/...	CTOB-0.01181...
GRM0335C1E470JA01D	MURATA	0201		2	0.300	0.600	0.300	0.500	47 pF	+5.0 / -5.0	Capacitor	Ceramic	Surface Mount		5.000	5.000	0.000000000047	F	pcb365/...	CTOB-0.01181...
GRM033R61A104ME15D	MURATA	0201		2	0.300	0.600	0.300	0.500	100 nF	+20.0 / -20.0	Capacitor	Ceramic	Surface Mount		20.000	20.000	0.0000000100	F	pcb365/...	CTOB-0.01181...
GRM0335C1E330JA01D	MURATA	0201		2	0.300	0.600	0.300	0.500	33 pF	+5.0 / -5.0	Capacitor	Ceramic	Surface Mount		5.000	5.000	0.000000000033	F	pcb365/...	CTOB-0.01181...
GRM0335C1E100JA01D	MURATA	0201		2	0.300	0.600	0.300	0.500	10 pF	+5.0 / -5.0	Capacitor	Ceramic	Surface Mount		5.000	5.000	0.000000000010	F	pcb365/...	CTOB-0.01181...
GRM0335C1H680JA01D	MURATA	0201		2	0.300	0.600	0.300	0.500	68 pF	+5.0 / -5.0	Capacitor	Ceramic	Surface Mount		5.000	5.000	0.000000000068	F	pcb365/...	CTOB-0.01181...
GRM0335C1E180JA01D	MURATA	0201		2	0.300	0.600	0.300	0.500	18 pF	+5.0 / -5.0	Capacitor	Ceramic	Surface Mount		5.000	5.000	0.000000000018	F	pcb365/...	CTOB-0.01181...
GRM0335C1E220JA01D	MURATA	0201		2	0.300	0.600	0.300	0.500	22 pF	+5.0 / -5.0	Capacitor	Ceramic	Surface Mount		5.000	5.000	0.000000000022	F	pcb365/...	CTOB-0.01181...
GRM0335C1H8R2DA01D	MURATA	0201		2	0.300	0.600	0.300	0.500	8.2 pF	+6.1 / -6.1	Capacitor	Ceramic	Surface Mount		6.098	6.098	0.000000000008	F	pcb365/...	CTOB-0.01181...
GRM0335C1H470JA01D	MURATA	0201		2	0.300	0.600	0.300	0.500	47 pF	+5.0 / -5.0	Capacitor	Ceramic	Surface Mount		5.000	5.000	0.000000000047	F	pcb365/...	CTOB-0.01181...
GRM0335C1E1R2CA01D	MURATA	0201		2	0.300	0.600	0.300	0.500	1.2 pF	+20.8 / -20.8	Capacitor	Ceramic	Surface Mount		20.833	20.833	0.000000000001	F	pcb365/...	CTOB-0.01181...
GRM0335C1E2R0CA01D	MURATA	0201		2	0.300	0.600	0.300	0.500	2 pF	+12.5 / -12.5	Capacitor	Ceramic	Surface Mount		12.500	12.500	0.000000000002	F	pcb365/...	CTOB-0.01181...
GRM033C80J104KE15D	MURATA	0201		2	0.300	0.600	0.300	0.500	100 nF	+10.0 / -10.0	Capacitor	Ceramic	Surface Mount		10.000	10.000	0.0000000100	F	pcb365/...	CTOB-0.01181...
GRM033C80J104ME15D	MURATA	0201		2	0.300	0.600	0.300	0.500	100 nF	+20.0 / -20.0	Capacitor	Ceramic	Surface Mount		20.000	20.000	0.0000000100	F	pcb365/...	CTOB-0.01181...
GRM0335C1H300GA01D	MURATA	0201		2	0.300	0.600	0.300	0.500	30 pF	+2.0 / -2.0	Capacitor	Ceramic	Surface Mount		2.000	2.000	0.000000000030	F	pcb365/...	CTOB-0.01181...
GRM033R71H101KA12D	MURATA	0201		2	0.300	0.600	0.300	0.500	100 pF	+10.0 / -10.0	Capacitor	Ceramic	Surface Mount		10.000	10.000	0.000000000100	F	pcb365/...	CTOB-0.01181...
GRM0335C1E8R0DA01D	MURATA	0201		2	0.300	0.600	0.300	0.500	8 pF	+6.3 / -6.3	Capacitor	Ceramic	Surface Mount		6.250	6.250	0.000000000008	F	pcb365/...	CTOB-0.01181...
GRM0335C1E820JA01D	MURATA	0201		2	0.300	0.600	0.300	0.500	82 pF	+5.0 / -5.0	Capacitor	Ceramic	Surface Mount		5.000	5.000	0.000000000082	F	pcb365/...	CTOB-0.01181...
GRM0335C1E6R8DA01D	MURATA	0201		2	0.300	0.600	0.300	0.500	6.8 pF	+7.4 / -7.4	Capacitor	Ceramic	Surface Mount		7.353	7.353	0.000000000007	F	pcb365/...	CTOB-0.01181...
GRM0335C1E4R7CA01D	MURATA	0201		2	0.300	0.600	0.300	0.500	4.7 pF	+5.3 / -5.3	Capacitor	Ceramic	Surface Mount		5.319	5.319	0.000000000005	F	pcb365/...	CTOB-0.01181...
GRM0335C1E8R0CA01D	MURATA	0201		2	0.300	0.600	0.300	0.500	8 pF	+3.1 / -3.1	Capacitor	Ceramic	Surface Mount		3.125	3.125	0.000000000008	F	pcb365/...	CTOB-0.01181...
GRM033R71H101MA12D	MURATA	0201		2	0.300	0.600	0.300	0.500	100 pF	+20.0 / -20.0	Capacitor	Ceramic	Surface Mount		20.000	20.000	0.000000000100	F	pcb365/...	CTOB-0.01181...

Parts 1 - 100 of 1680897

Library-Part: GRM0335C1H150JA01D
 Manufacturer: MURATA
 Description: CAP CER 15PF 50V COG/NPO 0201
 Body Size: 0.600 x 0.300 mm

Close



Part Information



PCB-Investigator



PCB-Investigator / www.pcb-investigator.com

Start View Selection **Developer** Fabrication Analysis Extras Help PCB1 365 Signing Plugin

Component Manager Component View Setup Components (CSV) Import Component Editor Component Properties Component Heights Component Report Color Group Component Heights Net Connections Net Groups Net Length Highlight Power Pins Nets of Component Generate Netlist

pcb V 12.0

Layer	Sel.	Info
<input checked="" type="checkbox"/> comp_+_top		Obj:73; Com
<input type="checkbox"/> top_overlay		34,3 µm; Sil
<input type="checkbox"/> top_paste		34,3 µm; Sc
<input type="checkbox"/> top_solder		2,5 µm; Sok
<input type="checkbox"/> top_layer		18+25 µm; :
<input type="checkbox"/> prepreg_1		1200 µm; D
<input type="checkbox"/> bottom_layer		18+25 µm; :
<input type="checkbox"/> bottom_solder		2,5 µm; Sok
<input type="checkbox"/> bottom_paste		34,3 µm; Sc
<input type="checkbox"/> bottom_overlay		34,3 µm; Sil

Map Stack Up CMP's Ne

Front View Top View Bot View

2D 2D-View 3D 3D-View

87,580 / 83,200 mm

83,400 mm

87,739 mm

0,159 / -0,200 mm

PCB_0: pcb
0,000 / 0,000 mm Angle:0

ZF: 2.049



EPL Reverse Search

Part Library Manager

Loaded Library: EPL

Part Library

Count per Page: 100

Part Number	Manufacturer	PackageName	Package Type
Geben Sie Text hier ein Geben Sie T... Geben Sie T... Geben :			
SIT8918AA1225S22118400	SITIME		QFN
SIT8918AA1225S24000000	SITIME		QFN
SIT8918AA1233S10000000	SITIME		QFN
SIT8918AA1233S12288000	SITIME		QFN
SIT8918AA1233S33333000	SITIME		QFN
SIT8918AA1818S13560000	SITIME		QFN
SIT8918AA1818S33333000	SITIME		QFN
SIT8918AA1825S16000000	SITIME		QFN
SIT8918AA1825S37125000	SITIME		QFN
SIT8918AA1833S27000000	SITIME		QFN
SIT8918AA1833S60000000	SITIME		QFN
SIT8918AA1833S80000000	SITIME		QFN
SIT8918AA2118S1843200	SITIME		QFN
SIT8918AA2125S25000000	SITIME		QFN
SIT8918AA2125S54000000	SITIME		QFN
SIT8918AA2133S11059200	SITIME		QFN
SIT8918AA2133S30000000	SITIME		QFN
SIT8918AA2225S12000000	SITIME		QFN
SIT8918AA1133S25000625	SITIME		QFN
SIT8918AA1133S1843200	SITIME		QFN
SIT8918AA1125S32000000	SITIME		QFN
SIT8918AA2225S32768000	SITIME		QFN
SIT8208A12F33E25000000	SITIME		QFN
SIT8918AA1118S12000000	SITIME		QFN
SIT8918AA1118S30000000	SITIME		QFN

Define Filter

All conditions must be fulfilled (AND)
 At least one condition must be fulfilled (OR)

- Name
- 3D Information
 - STEP_FILEPATH
 - STEP_OFFSET
 - STEP_ROTATION
- Geometry
 - Part Height
 - PinCount
 - Pitch
 - Real Body Outline
 - SizeX
 - SizeY
 - Testprobe Keypad
- Links
 - BSDL File Link
 - BXL File Link
 - IBIS File Link
 - Part Package Data Link
 - SPICE File Link
- Material
 - Approved
- Package
 - Package Name
 - Package Type
- Part Information
 - Family Name
 - Manufacturer
 - Mounting Type
 - Part Category
 - Part Subcategory
 - Test Models
- Physics
 - PHYSICS_MATERIAL
 - PHYSICS_RJ_BOARD
 - PHYSICS_RJ_TOP
- Value
 - Part Unit
 - Part Value
 - Tolerance
 - Tolerance Negative
 - Tolerance Positive
 - Value

Name Examples: '-SOT', 'SMD', '654', 'PF', '1=0603'

Clear All | Accept

Add / Edit Properties (ID=1713981)

SIT8918AA2118S1843200

Description: OSCILLATOR MEMS 1.8432MHZ ±20PPM
Size: Unknown

Type: Part Library
Checked-Out:
Created by: Sebastian Spohr
Changed by: Sebastian Spohr
Created at: 2021.03.27 - 21:40:46
Changed at: 2021.06.29 - 09:18:05

Property	Value	Tolerance	Part Category	Part Subcategory	Mounting
Geben Sie T... Geben Sie T... Geben Sie T... Geben Sie T... Geben Sie T... Geben S					
Description	OSCILLATOR MEMS 1.8432MHZ ±20PPM (STABILITY) 15PF LV				
3D Information					
STEP_FILEPATH					
STEP_OFFSET					
STEP_ROTATION					
Geometry					
Part Height	750.000024 µm		Oscillator		Surface
PinCount	4		Oscillator		Surface
Pitch			Oscillator		Surface
Real Body Outline			Oscillator		Surface
SizeX	3.200000 mm		Oscillator		Surface
SizeY	2.500000 mm		Oscillator		Surface
Testprobe Keypad			Oscillator		Surface
Links					
BSDL File Link			Oscillator		Surface
BXL File Link			Oscillator		Surface
IBIS File Link			Oscillator		Surface
Part Package Data Link			Oscillator		Surface
SPICE File Link			Oscillator		Surface
Material					
Approved			Oscillator		Surface
Package					
Package Name	qfn		Oscillator		Surface
Package Type			Oscillator		Surface
Part Information					
Family Name			Oscillator		Surface
Manufacturer			Oscillator		Surface
Mounting Type			Oscillator		Surface
Part Category			Oscillator		Surface
Part Subcategory			Oscillator		Surface
Test Models			Oscillator		Surface
Physics					
PHYSICS_MATERIAL			Oscillator		Surface
PHYSICS_RJ_BOARD			Oscillator		Surface
PHYSICS_RJ_TOP			Oscillator		Surface
Value					
Part Unit			Oscillator		Surface
Part Value			Oscillator		Surface
Tolerance			Oscillator		Surface
Tolerance Negative			Oscillator		Surface
Tolerance Positive			Oscillator		Surface
Value			Oscillator		Surface

Description [String] General file description

Apply | Cancel



EPL Reverse Search

Define Filter

All conditions must be fulfilled (AND)
 At least one condition must be fulfilled (OR)

Sort icons: [A-Z], [Z-A], [Filter]

BSDL File Link	
BXL File Link	
IBIS File Link	
Part Package Data Link	
SPICE File Link	
Material	
Approved	
Package	
ODBPackageDefinition	
PackageName	
PackageType	
Part Information	
Family Name	
Manufacturer	
Mounting Type	
Part Category	Capacitor
Part Subcategory	
Polarity Marker	
Test Models	
Physics	
PHYSICS_MATERIAL	
PHYSICS_RJ_BOARD	
PHYSICS_RJ_TOP	
Value	
Part Unit	
Part Value	100p
Tolerance Negative	
Tolerance Positive	

Part Value
Examples: '=5', '>6.7', '<=8.1', '!4', '10-15'

Define Filter

All conditions must be fulfilled (AND)
 At least one condition must be fulfilled (OR)

Sort icons: [A-Z], [Z-A], [Filter]

BSDL File Link	
BXL File Link	
IBIS File Link	
Part Package Data Link	
SPICE File Link	
Material	
Approved	
Package	
ODBPackageDefinition	
PackageName	
PackageType	
Part Information	
Family Name	
Manufacturer	
Mounting Type	
Part Category	Resistor
Part Subcategory	
Polarity Marker	
Test Models	
Physics	
PHYSICS_MATERIAL	
PHYSICS_RJ_BOARD	
PHYSICS_RJ_TOP	
Value	
Part Unit	
Part Value	1k
Tolerance Negative	
Tolerance Positive	

Part Value
Examples: '=5', '>6.7', '<=8.1', '!4', '10-15'



PCBI 365 Package Library

Package Library Manager

Loaded Library: EPackLib

Package Library

Count per Page: 100

Package Name	Package Type	Pin Count	Size X	Size Y	Size Z	Pin Pitch	Mounting Type	Size X Min	Size Y Min	Size Z Min	Size X Max	Size Y Max	Size Z Max
TSOP-54		54	10.300	22.400		0.800							
MSOP-16		16	4.900	4.039		0.500							
SO-8		8	6.000	5.000		1.270							
TSSOP-8		8	4.500	3.100		0.650							
SO-8		8	5.400	5.400		1.270							
SO-14		14	4.000	8.700		1.270							
SSOP-28		28	5.600	10.400		0.650							
TSOP-28		28											
SSOP-20		20											
MSOP-8		8											
MSOP-16		17											
TO-263-3		4											
PDSO-10		11											
2416		2											
0201		2											
0402		2											
0806		2											
1008		2											
0603		2											
01005		2											
1812		2											

Add / Edit Properties (ID=1920687)

SSOP-28
Description: Unknown
Size: Unknown

Type: Package Library
Checked-Out:
Created by: Sebastian Spohr
Changed by: Sebastian Spohr
Created at: 2021.05.21 - 09:18:11
Changed at: 2021.05.21 - 09:18:11

Description

Geometry

Pin Count	28
Pin Pitch	649.99870 µm
Size X	5.599999 mm
Size X Max	
Size X Min	
Size Y	10.400000 mm
Size Y Max	
Size Y Min	
Size Z	
Size Z Max	
Size Z Min	

Other

System.Drawing.Bitmap

Package

[List] Aliases
SSOP28, SSOP_28, SSOP-28
Mounting Type
ODRPackageDefinition
PackageType
Step File Link
pcb365://EasyLogxShared/3DLibrary/3DLibraryRoot/3DLib/DAC8820_SSOP(DB)_28.stp.1369930

Description
[String] General file description

Apply Cancel

Close



Custom Library

Why we need a custom library

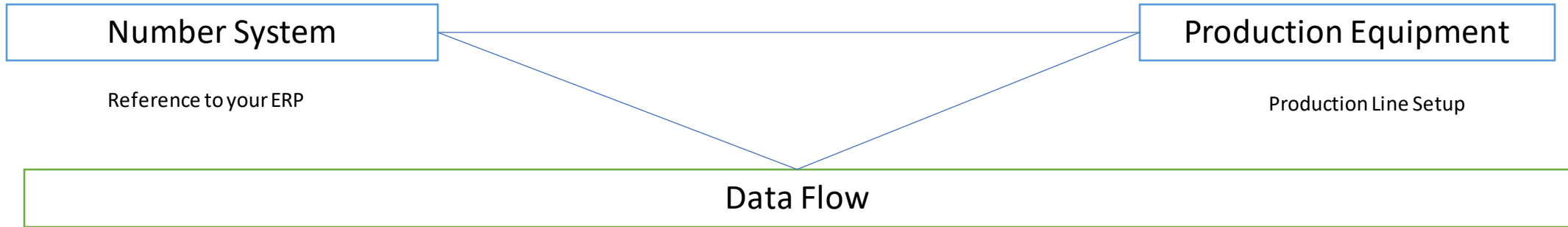
Different ERP System Setup

Customized Parts (connectors...)

Equipment Individual Properties

Product Segment Adjustment

Material Information Flow

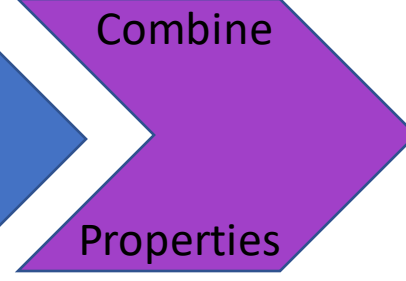
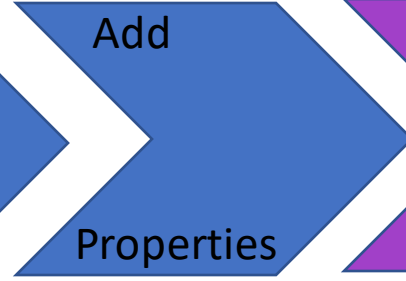
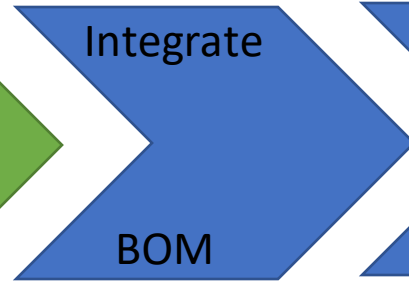
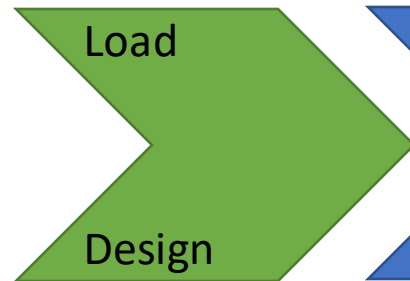


Customer Data

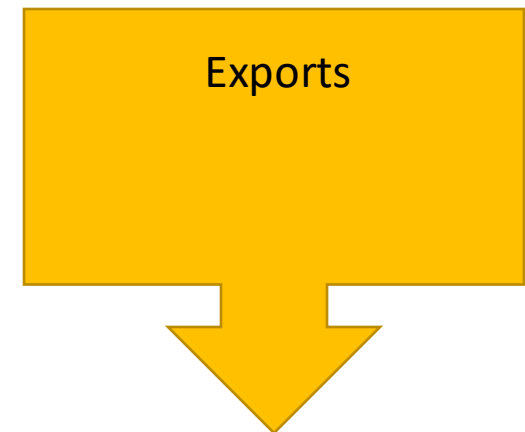
BOM Expert

EPL

Custom PL



Customer / Internal
BOM





Pick & Place Package Reader

e.g. ASM OIB

Read information from Pick & Place machine

- Part Name
 - Package definition
 - Body
 - Pin pos
 - Pin size
 - Polarity Marker
 - Part height
 - Part height tolerance
 - Tolerance X,Y,Z
 - Contrast
 - Angle
 - Center



Custom Package Library

Sample Package Library

Package Name	String	qfn44
Part Type	String	IC
Pin Count	Int	44
Pin Pitch	Double	0,5
Package Type	String	qfn
Mounting Type	String	SMT
ODB_Package	JSON String	
Pick_Place_Package	JSON String	

Store Package related data



Custom Part Library

Sample Part Library

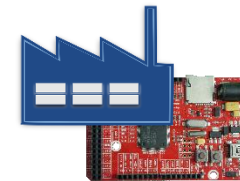
Manufacturer Part Number	Type	AD633JRZ
Part Alias List	JSON String	<A1><AD633JRZ-ND>
Internal_Part_Information	JSON String	<1<IPN>2345678> <function<Analog Multiplier>>
Part Type	String	IC
Pin Count	Int	8
Pin Pitch	Double	0,5
Polarity Pin	Int	0
Polarity Marker Type	String	Point
Image	Bitmap	BIN
Test Model	XML String	IC
Package Link	String	DB Connection String
Package Type	String	SOIC
Mounting Type	String	SMT
STEP	String	<PCBI_365:Link><\\myStep>
Documents	JSON String	<Spec>< https://www.analog.com/media/en/technical-documentation/data-sheets/AD633.pdf >

Store Part related data

Library supported tasks

EPL task enhancement

- BOM preparation
- AOI
- DRC
- DFM
- DFA
- DFT
- Solder Process
- Supplier selection





Library SDK

Use EPL and your custom library with an advanced SDK

- Automate your task within PCB-Investigator products
- Automate your task from any .Net App
- Add your own data sources



Advantage

EPL library success

- Shorten quoting times.
- Increase the throughput of orders.
- Turn existing data into knowledge.
- Create an end-to-end process.
- Minimize errors. Increase quality.
- Reduce manufacturing costs.



Terms

EPL EasyLogix Part Library

Subscription Based

Storage is only allowed within ODB++ Jobs

ODB++ Jobs are allowed to share with others

All resolved data are only allowed to be used within an PCB-Investigator design

Synchronization of components direct integrated in PCB-Investigator

Works best in conjunction with PCBI PLM

Your Full-Service Provider

Request Customized Functions

Get in touch,

info@easylogix.de

Guenther Schindler

Tel. +49 941 568 136 26

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