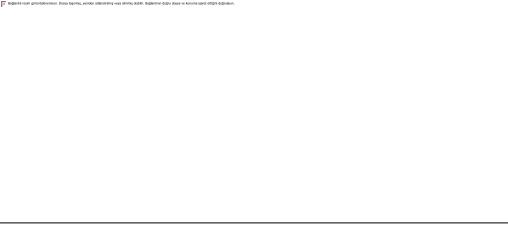


# Integrated Library (Components) Report

<b>Library File Name</b>	C:\Users\Public\Documents\Altium\AD20\Library\Project Outputs for Arikaya_Lib\Arikaya.Lib.IntLib
<b>Library File Date/Time</b>	02 July 2022 12:41:37
<b>Library File Size</b>	18882048
<b>Number of Components</b>	97
<b>Component List</b>	16x2_LCD_Display, 1N4148WS, 1SMB5919BT3G, 4X4_TUS_TAKIMI, 5WD27, 64800611622_Conn_6Pin, ALQ112, AP7361-33E-13, Arduino_Pro_Mini, ATMEGA328P-AU, BMP280, Buzzer, BUZZER 5V, BV302S12010-ZU, CAP ALU ELEC 470uF 50V, CAP ALU ELEC 68uF 35V, CAP CER 0.1 uF 1206, CAP CER 10 uF 1206, CAP CER 100nF 0603, CAP CER 100nF 0805, CAP CER 10nF 0603, CAP CER 16 pF 1206, CAP CER 1uF 0805, CAP CER 2.2 nF 1206, CAP CER 20pF 0603, CAP CER 330 nF 1206, CAP CER 33uF 1206, CAP CER 4.7uF 0805, CAP TAN 10 uF 1206, CMI-9605IC-0580T, CRYSTAL 16MHz 20pF, CRYSTAL 32768kHz, CRYSTAL 8MHz 12.5pF, DB105S, EG1215AA, ESP32-WROOM-32 (16MB), ESP32-WROOM-32E-N4, FFC / FPC Board Connector, 0.5 mm, 20 Contacts, FUSE 3413.0216.22, FUSE HOLDER 5A, FUSE HOLDER 80A, FUSE HOLDER 80A_PCB, HEADER 1x1, HEADER 2.54mm 1x2, HEADER 2.54mm 1x3, HEADER 2.54mm 1x4, HEADER 2.54mm 1x5, HEADER 2.54mm 1x5 H SMD, HEADER 2.54mm 2x3, INA128, IND 47uH, KLEMENS 1x2 - 3.5mm, L7805-DPAK, LD108633-DPAK, LED GREEN 0805, LED RED 0805, LHI 878/3902, LM2675MX-12/NOPB, LM78XX, M41T00M6F, MAX6662MSA+, Micro B USB Connector SMD, Micro SD Card Holder, MMBT3904-7-F, MPU6050, NCS36000DRG, OPA314AIDBVR, PJ-037AH-SMT-TR, Push Button, Push Button Tact, RES 0 OHM 0603, RES 100 OHM 0603, RES 10K OHM 0603, RES 10k OHM 1206, RES 15 OHM 0603, RES 1K OHM 0603, RES 2.2k OHM 1206, RES 220K OHM 0603, RES 4.7K OHM 0603, RES 4.7k OHM 1206, RES 43K OHM 0603, RES 560K OHM 0603, RFID-RC522, RGB LED, RL800 12V 80A, SSM3K357R,LF, SSR_DA, STM32F101, STM32F103C6T6A, Switch Dip-4, TBP01R1-508-02BE, Terminal2, Terminal3, TFPT1206L1002FM, TRKP 12V 40A, USB Protection TVS, XT60PW-M

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	<b>Library Reference</b> 1N4148WS
<b>Description</b>	Diode Standard 75 V 150mA Surface Mount SOD-323F VR=75V IF=150mA Trr=4ns P=200mW
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	*
<b>Number of Parameters</b>	51
<b>Number of Pins</b>	2

**Number of Models** 1

**Parameters**

Name	Value	Type	Visible
Supplier 1	Digi-Key	STRING	False
Manufacturer	ON Semiconductor / Fairchild	STRING	False
Manufacturer Part Number	1N4148WS	STRING	False
RoHS	Yes	STRING	False
Category	Rectifier Diodes	STRING	False
Stock 1	2252396	STRING	False
Pricing 1	1=0.21000, 10=0.19200, 100=0.10460, 500=0.06436, 1000=0.04388 (USD)	STRING	False
Mount	Surface Mount	STRING	False
Number of Pins	2	STRING	False
Contact Plating	Tin,Matte	STRING	False
Weight	0.0276g	STRING	False
Min Operating Temperature	-55C	STRING	False
Max Operating Temperature	150C	STRING	False
Packaging	Tape and Reel	STRING	False
Forward Current	150mA	STRING	False
Reverse Recovery Time	4ns	STRING	False
Max Repetitive Reverse Voltage (Vrrm)	75V	STRING	False
Element Configuration	Single	STRING	False
Package Quantity	1	STRING	False
Forward Voltage	1V	STRING	False
Average Rectified Current	150mA	STRING	False
Power Dissipation	200mW	STRING	False
Max Reverse Voltage (DC)	75V	STRING	False
Max Reverse Current	5uA	STRING	False
Recovery Time	4ns	STRING	False
Max Forward Surge Current (Ifsm)	2A	STRING	False
Series	-	STRING	False
Reverse Voltage	75V	STRING	False
Length	1.8mm	STRING	False
Width	1.35mm	STRING	False
Height	1mm	STRING	False
Radiation Hardening	No	STRING	False
RoHS Compliant	Yes	STRING	False
Lead Free	Lead Free	STRING	False
REACH SVHC	No SVHC	STRING	False

ComponentLink1URL	<a href="https://datasheet.ciiva.com/30479/0900766b810e1cd3-30479206.pdf?src=supplier=RSComponents">https://datasheet.ciiva.com/30479/0900766b810e1cd3-30479206.pdf?src=supplier=RSComponents</a>	STRING	False
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ComponentLink2URL	<a href="https://datasheet.ciiva.com/15208/getdatasheetpartid-127819-15208358.pdf?src=supplier=Verical">https://datasheet.ciiva.com/15208/getdatasheetpartid-127819-15208358.pdf?src=supplier=Verical</a>	STRING	False
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ComponentLink3URL	<a href="https://datasheet.ciiva.com/8300/1n914bws-8300360.pdf?src=supplier=Avnet">https://datasheet.ciiva.com/8300/1n914bws-8300360.pdf?src=supplier=Avnet</a>	STRING	False
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ComponentLink4URL	<a href="https://datasheet.ciiva.com/910/1n4148ws-910381.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/910/1n4148ws-910381.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink4Description	<a href="https://datasheet.ciiva.com/910/1n4148ws-910381.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/910/1n4148ws-910381.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink5URL	<a href="https://datasheet.ciiva.com/910/1n4148ws-910382.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/910/1n4148ws-910382.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink5Description	<a href="https://datasheet.ciiva.com/910/1n4148ws-910382.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/910/1n4148ws-910382.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink6URL	<a href="https://datasheet.ciiva.com/910/1n4148ws-910380.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/910/1n4148ws-910380.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink6Description	<a href="https://datasheet.ciiva.com/910/1n4148ws-910380.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/910/1n4148ws-910380.pdf?src=supplier=Digi-Key</a>	STRING	False
Designed By	Sleyman ARIKAYA	STRING	False
Case/Package	SOD-323F	STRING	False
Supplier Part Number 1	1N4148WSFSCT-ND	STRING	False
Comment	1N4148WS	STRING	False

## Models

	<b>Model Name</b> SOD-323F <b>Model Type</b> Footprint <b>Description</b> <b>Height</b> 0mil <b>Dimension</b> 204.66mil x 61.024mil <b>Number of Pads</b> 2 <b>Number of Primitives</b> 21
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	<b>Library Reference</b>	1SMB5919BT3G
	<b>Description</b>	Zener Diode 5.6 V 3 W 5% Surface Mount SMB Vz=5.6V 5.32V~5.88V Izt=66.9mA
	<b>Kind</b>	Standard
	<b>Aliases</b>	Component has no aliases
	<b>Designator</b>	*
	<b>Number of Parameters</b>	58
	<b>Number of Pins</b>	2
	<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Supplier 1	Digi-Key	STRING	False
Manufacturer	ON Semiconductor	STRING	False
Manufacturer Part Number	1SMB5919BT3G	STRING	False
RoHS	Yes	STRING	False
Category	Zener Diodes	STRING	False
Pricing 1	1=0.39000, 10=0.31600, 100=0.21540, 500=0.16154, 1000=0.12116 (USD)	STRING	False
Case/Package	SMB	STRING	False
Number of Pins	2	STRING	False
Material	Plastic	STRING	False
Contact Plating	Tin,Matte	STRING	False
Min Operating Temperature	-65C	STRING	False
Max Operating Temperature	150C	STRING	False
Package Quantity	1	STRING	False
Packaging	Tape and Reel	STRING	False
Max Power Dissipation	3W	STRING	False
Tolerance	5%	STRING	False
Max Reverse Leakage Current	5uA	STRING	False
Impedance	2R	STRING	False
Voltage Tolerance	5%	STRING	False
Zener Voltage	5.6V	STRING	False
Element Configuration	Single	STRING	False
Forward Voltage	1.5V	STRING	False
Power Dissipation	550mW	STRING	False
Zener Current	267mA	STRING	False
Test Current	66.9mA	STRING	False
Working Voltage	5.6V	STRING	False

Max Reverse Current	5uA	STRING	False
Breakdown Voltage	5.88V	STRING	False
Power Rating	3W	STRING	False
ESD Protection	Yes	STRING	False
Length	4.32mm	STRING	False
Width	3.56mm	STRING	False
Height	2.13mm	STRING	False
Radiation Hardening	No	STRING	False
Lead Free	Lead Free	STRING	False
Halogen Free	Halogen Free	STRING	False
RoHS Compliant	Yes	STRING	False
REACH SVHC	No SVHC	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/27747/1308331-27747654.pdf?src=supplier=Jameco">https://datasheet.ciiva.com/27747/1308331-27747654.pdf?src=supplier=Jameco</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/27747/1308331-27747654.pdf?src=supplier=Jameco">https://datasheet.ciiva.com/27747/1308331-27747654.pdf?src=supplier=Jameco</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/1182/1smb5913bt3-d-1182657.pdf?src=supplier=Element14">https://datasheet.ciiva.com/1182/1smb5913bt3-d-1182657.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink2Description	<a href="https://datasheet.ciiva.com/1182/1smb5913bt3-d-1182657.pdf?src=supplier=Element14">https://datasheet.ciiva.com/1182/1smb5913bt3-d-1182657.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink3URL	<a href="https://datasheet.ciiva.com/1182/1smb5913bt3-d-1182658.pdf?src=supplier=Element14">https://datasheet.ciiva.com/1182/1smb5913bt3-d-1182658.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink3Description	<a href="https://datasheet.ciiva.com/1182/1smb5913bt3-d-1182658.pdf?src=supplier=Element14">https://datasheet.ciiva.com/1182/1smb5913bt3-d-1182658.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink4URL	<a href="https://datasheet.ciiva.com/16311/1smb5913bt3-d-16311847.pdf?src=supplier=Future+Electronics">https://datasheet.ciiva.com/16311/1smb5913bt3-d-16311847.pdf?src=supplier=Future+Electronics</a>	STRING	False
ComponentLink4Description	<a href="https://datasheet.ciiva.com/16311/1smb5913bt3-d-16311847.pdf?src=supplier=Future+Electronics">https://datasheet.ciiva.com/16311/1smb5913bt3-d-16311847.pdf?src=supplier=Future+Electronics</a>	STRING	False
ComponentLink5URL	<a href="https://datasheet.ciiva.com/15198/getdatasheetpartid-311040-15198695.pdf?src=supplier=Verical">https://datasheet.ciiva.com/15198/getdatasheetpartid-311040-15198695.pdf?src=supplier=Verical</a>	STRING	False
ComponentLink5Description	<a href="https://datasheet.ciiva.com/15198/getdatasheetpartid-311040-15198695.pdf?src=supplier=Verical">https://datasheet.ciiva.com/15198/getdatasheetpartid-311040-15198695.pdf?src=supplier=Verical</a>	STRING	False
ComponentLink6URL	<a href="https://datasheet.ciiva.com/895/1smb5913bt3-d-895204.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/895/1smb5913bt3-d-895204.pdf?src=supplier=Digi-Key</a>	STRING	False
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ComponentLink7Description	<a href="https://datasheet.ciiva.com/895/1smb5913bt3-d-895205.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/895/1smb5913bt3-d-895205.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink8URL	<a href="https://datasheet.ciiva.com/895/1smb5913bt3-d-895203.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/895/1smb5913bt3-d-895203.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink8Description	<a href="https://datasheet.ciiva.com/895/1smb5913bt3-d-895203.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/895/1smb5913bt3-d-895203.pdf?src=supplier=Digi-Key</a>	STRING	False
Supplier Part Number 1	1SMB5919BT3GOSCT-ND	STRING	False
Designed By	Sleyman ARIKAYA	STRING	False
Voltage Rating (DC)	5.6V	STRING	True
Comment	1SMB5919BT3G	STRING	False

## Models

	<b>Model Name</b> SMB
	<b>Model Type</b> Footprint
	<b>Description</b> DO-214-AA/SMB; 2 C-Bend Leads; Body 5.3 x 3.6 mm, inc. leads (LxW)
	<b>Height</b> 100mil
	<b>Dimension</b> 318.898mil x 129.921mil
	<b>Number of Pads</b> 2
	<b>Number of Primitives</b> 12

	<b>Library Reference</b> 4X4_TUS_TAKIMI
	<b>Description</b>
	<b>Kind</b> Standard
	<b>Aliases</b> Component has no aliases
	<b>Designator</b> U?
	<b>Number of Parameters</b> 1
	<b>Number of Pins</b> 10
	<b>Number of Models</b> 1

## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models

	<b>Model Name</b> 4X4_TUS_TAKyy
	<b>Model Type</b> Footprint
	<b>Description</b>
	<b>Height</b> 0mil
	<b>Dimension</b> 2570.866mil x 2685.039mil
	<b>Number of Pads</b> 14
	<b>Number of Primitives</b> 34

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	<b>Library Reference</b> <b>Description</b> <b>Kind</b> <b>Aliases</b> <b>Designator</b> <b>Number of Parameters</b> <b>Number of Pins</b> <b>Number of Models</b>
	<b>5WD27</b> Resistor 5 Watt Cermet Wirewound Flameproof .27 Ohm 5% Axial Lead Standard Component has no aliases * 20 2 1

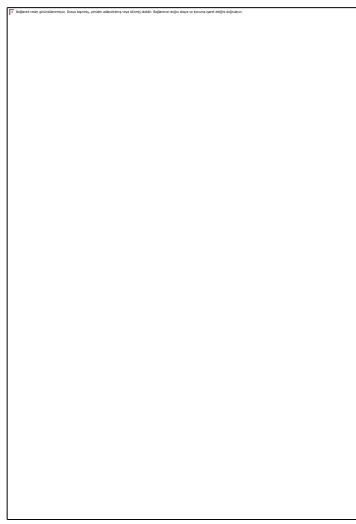
## Parameters

Name	Value	Type	Visible
Supplier 1	Digi-Key	STRING	False
Manufacturer	NTE Electronics	STRING	False
Manufacturer Part Number	5WD27	STRING	False
RoHS	Yes	STRING	False
Category	Through-Hole Resistors	STRING	False
Mount	Through Hole	STRING	False
Case/Package	Axial	STRING	False
Min Operating Temperature	-55C	STRING	False
Max Operating Temperature	155C	STRING	False
Termination	Axial	STRING	False
Tolerance	5%	STRING	False
Power Rating	5W	STRING	False
Temperature Coefficient	300ppm/C	STRING	False
RoHS Compliant	No	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/15772/fivewire-15772442.pdf?src=supplier=Onlinecomponents.com">https://datasheet.ciiva.com/15772/fivewire-15772442.pdf?src=supplier=Onlinecomponents.com</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/15772/fivewire-15772442.pdf?src=supplier=Onlinecomponents.com">https://datasheet.ciiva.com/15772/fivewire-15772442.pdf?src=supplier=Onlinecomponents.com</a>	STRING	False
Designed By	Sleyman ARIKAYA	STRING	False
Supplier Part Number 1	2368-5WD27-ND	STRING	False
Resistance	270m	STRING	True
Comment	5WD27	STRING	False

## Models



<b>Model Name</b>	5WD27
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	1185.039mil x 401.575mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	26



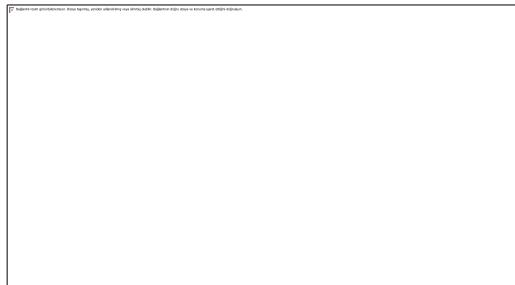
#### Library Reference 16x2\_LCD\_Display

<b>Description</b>	
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	U?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	6
<b>Number of Models</b>	1

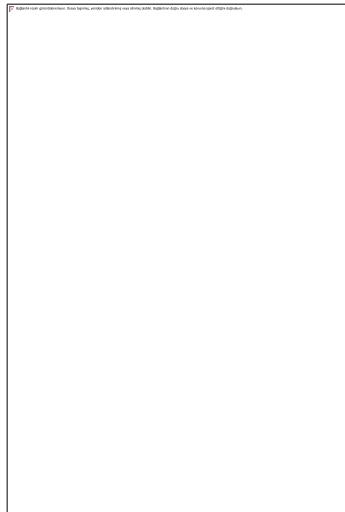
#### Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

#### Models



<b>Model Name</b>	16X2_LCD_Display
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	3159.331mil x 1427.559mil
<b>Number of Pads</b>	10
<b>Number of Primitives</b>	23



<b>Library Reference</b>	<b>64800611622_Conn_6Pin</b>
<b>Description</b>	1.50mm 6PIN Connector
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	J?
<b>Number of Parameters</b>	9
<b>Number of Pins</b>	6
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Designed By	Sleyman ARIKAYA	STRING	False
Supplier 1	RSCOMPONENTS	STRING	False
Manufacturer	Wurth Electronics	STRING	False
Manufacturer Part Number	64800611622	STRING	False
RoHS	No	STRING	False
Stock 1	90	STRING	False
Pricing 1	10=0.42700, 50=0.39500, 200=0.36700, 500=0.34300 (GBP)	STRING	False
Supplier Part Number 1	2138727	STRING	False
Comment	64800611622	STRING	True

## Models



<b>Model Name</b>	<b>64800611622_Conn_6Pinn</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	448.819mil x 145.669mil
<b>Number of Pads</b>	6
<b>Number of Primitives</b>	23

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<b>Library Reference</b>	ALQ112
<b>Description</b>	RELAY GEN PURPOSE SPDT 10A 12V
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	*
<b>Number of Parameters</b>	42
<b>Number of Pins</b>	5
<b>Number of Models</b>	1

## Parameters

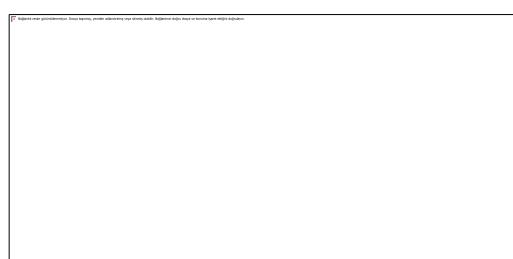
Name	Value	Type	Visible
Designed By	Sleyman ARIKAYA	STRING	False
Supplier 1	Digi-Key	STRING	False
Manufacturer	Panasonic	STRING	False
Manufacturer Part Number	ALQ112	STRING	False
RoHS	Yes	STRING	False
Category	Power Relays	STRING	False
Pricing 1	1=1.42000, 10=1.33600, 25=1.18720, 50=1.12780, 100=1.06850, 250=0.94976, 500=0.89040, 1000=0.83104, 5000=0.80136 (USD)	STRING	False
Number of Pins	5	STRING	False
Contact Material	Silver	STRING	False
Weight	7g	STRING	False
Min Operating Temperature	-40C	STRING	False
Max Operating Temperature	85C	STRING	False
Contact Current Rating	10A	STRING	False
Package Quantity	100	STRING	False
Packaging	Carton	STRING	False
Voltage Rating (AC)	250V	STRING	False
Power Rating	400mW	STRING	False
Power Consumption	400mW	STRING	False
Throw Configuration	SPDT	STRING	False
Termination	PC Pin	STRING	False
Coil Resistance	360R	STRING	False
Coil Current	33.3mA	STRING	False
Operate Time	20ms	STRING	False
Release Time	20ms	STRING	False
Coil Power	400mW	STRING	False
Max Voltage Rating (AC)	250V	STRING	False
Coil Voltage (DC)	12V	STRING	False

Coil Type	Non-Latching	STRING	False
Relay Type	General Purpose	STRING	False
Series	ALQ	STRING	False
Length	20mm	STRING	False
Width	10mm	STRING	False
Height	16mm	STRING	False
Depth	10mm	STRING	False
REACH SVHC	Unknown	STRING	False
Lead Free	Lead Free	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/24388/307ds-61b20-en-lq-24388909.pdf?src=supplier=Onlinecomponents.com">https://datasheet.ciiva.com/24388/307ds-61b20-en-lq-24388909.pdf?src=supplier=Onlinecomponents.com</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/24388/307ds-61b20-en-lq-24388909.pdf?src=supplier=Onlinecomponents.com">https://datasheet.ciiva.com/24388/307ds-61b20-en-lq-24388909.pdf?src=supplier=Onlinecomponents.com</a>	STRING	False
Supplier Part Number 1	255-3562-ND	STRING	False
Case/Package	ALQ112	STRING	False
Comment	ALQ112	STRING	False

## Models



<b>Model Name</b>	ALQ112
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	1329.576mil x 409.449mil
<b>Number of Pads</b>	5
<b>Number of Primitives</b>	30



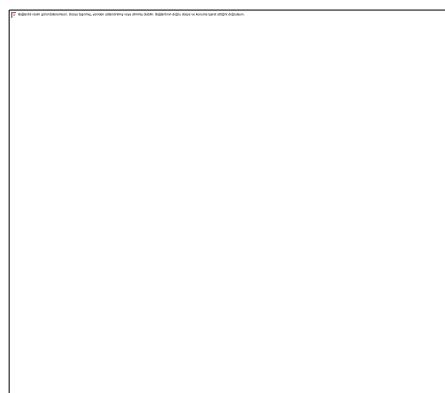
<b>Library Reference</b>	AP7361-33E-13
<b>Description</b>	5VDC/3V3DC Converter AP7361 Series 3.3 V 1 A Low SMT Dropout Fixed-Mode Regulator - SOT-223
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	U?
<b>Number of Parameters</b>	49
<b>Number of Pins</b>	3
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Supplier 1	Digi-Key	STRING	False
Manufacturer	Diodes	STRING	False
Manufacturer Part Number	AP7361-33E-13	STRING	False
RoHS	Yes	STRING	False
Category	Voltage Regulators - Linear	STRING	False
Stock 1	81324	STRING	False
Pricing 1	1=0.54000, 10=0.43400, 25=0.39760, 100=0.29580, 250=0.26804, 500=0.22184, 1000=0.16638 (USD)	STRING	False
Mount	Surface Mount	STRING	False
Case/Package	SOT-223	STRING	False
Number of Pins	4	STRING	False
Weight	0.000282oz	STRING	False
Contact Plating	Tin,Matte	STRING	False
Min Operating Temperature	-40C	STRING	False
Max Operating Temperature	85C	STRING	False
Number of Outputs	1	STRING	False
Min Input Voltage	2.2V	STRING	False
Max Input Voltage	6V	STRING	False
Max Output Current	1A	STRING	False
Output Voltage	3.3V	STRING	False
Max Power Dissipation	1.1W	STRING	False
Package Quantity	1	STRING	False
Packaging	Tape and Reel	STRING	False
Dropout Voltage	500mV	STRING	False
Output Current	1A	STRING	False
Number of Regulators	1	STRING	False
Min Current Limit	1.1A	STRING	False
Polarity	Positive	STRING	False
Quiescent Current	70uA	STRING	False
Power Dissipation	1.1kW	STRING	False
Accuracy	1%	STRING	False
Power Supply Rejection Ratio (PSRR)	65dB	STRING	False
Reference Voltage	800mV	STRING	False
Output Type	Fixed	STRING	False
Series	-	STRING	False
Radiation Hardening	No	STRING	False
REACH SVHC	No SVHC	STRING	False
Lead Free	Lead Free	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="https://datasheet.civila.com/26926/getdatasheetpartid-670786-26926141.pdf?src=supplier=Verical">https://datasheet.civila.com/26926/getdatasheetpartid-670786-26926141.pdf?src=supplier=Verical</a>	STRING	False

ComponentLink1Description	<a href="https://datasheet.ciiva.com/26926/getdatasheetpartid-670786-26926141.pdf?src=supplier=Verical">https://datasheet.ciiva.com/26926/getdatasheetpartid-670786-26926141.pdf?src=supplier=Verical</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/25651/ap7361-25651049.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/25651/ap7361-25651049.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink2Description	<a href="https://datasheet.ciiva.com/25651/ap7361-25651049.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/25651/ap7361-25651049.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink3URL	<a href="https://datasheet.ciiva.com/29568/ap7361-29568378.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/29568/ap7361-29568378.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink3Description	<a href="https://datasheet.ciiva.com/29568/ap7361-29568378.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/29568/ap7361-29568378.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink4URL	<a href="https://datasheet.ciiva.com/29568/ap7361-29568379.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/29568/ap7361-29568379.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink4Description	<a href="https://datasheet.ciiva.com/29568/ap7361-29568379.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/29568/ap7361-29568379.pdf?src=supplier=Digi-Key</a>	STRING	False
Supplier Part Number 1	AP7361-33E-13DICT-ND	STRING	False
Designed By	Sleyman ARIKAYA	STRING	False
Comment	AP7361-33E-13	STRING	False

## Models



<b>Model Name</b>	<b>SOT223</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	409.322mil x 326.772mil
<b>Number of Pads</b>	4
<b>Number of Primitives</b>	20

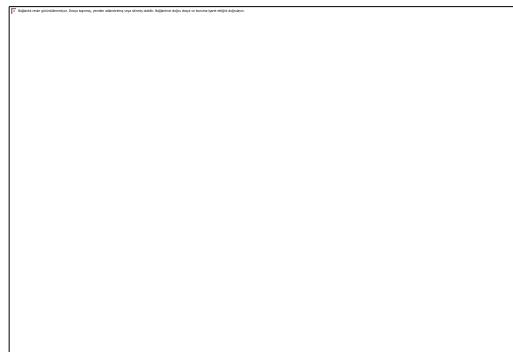


<b>Library Reference</b>	<b>Arduino_Pro_Mini</b>
<b>Description</b>	Microcontroller: ATmega328 Operating Voltage: 5V Input Voltage: 5 12 V (5V model) Digital I/O Pins: 14 Pins (6 are PWM output pins) Analog Input Pins: 6 Pins DC Current per I/O Pin: 40 mA Flash Memory: 32 kB (0.5 kB is taken by bootloader) SRAM: 2 Kbytes EEPROM: 1 Kbytes Clock Speed: 16 MHz (5V model)
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	U?
<b>Number of Parameters</b>	2
<b>Number of Pins</b>	35
<b>Number of Models</b>	1

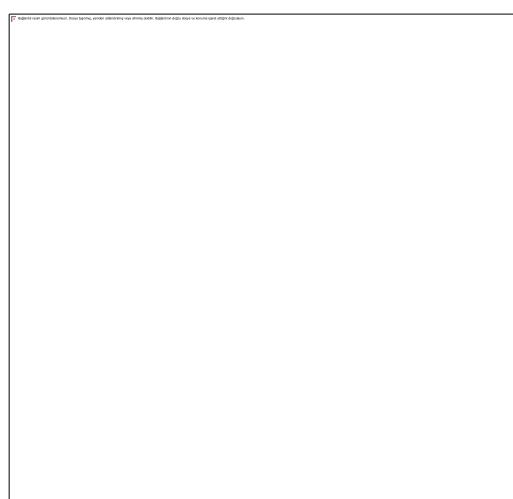
## Parameters

Name	Value	Type	Visible
Arduino_Pro_Mini	Arduino_Pro_Mini	STRING	False
Comment	Arduino_Pro_Mini	STRING	False

## Models



<b>Model Name</b>	<b>Arduino_Pro_Mini</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	1338.582mil x 732.285mil
<b>Number of Pads</b>	35
<b>Number of Primitives</b>	42

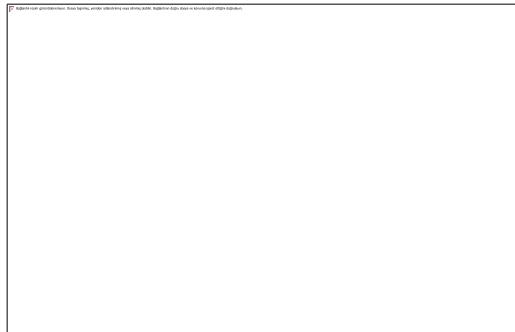


<b>Library Reference</b>	<b>ATMEGA328P-AU</b>
<b>Description</b>	IC-328 MCU 8BIT 32KB FLASH 32TQPF ATTEL
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	U?
<b>Number of Parameters</b>	3
<b>Number of Pins</b>	32
<b>Number of Models</b>	1

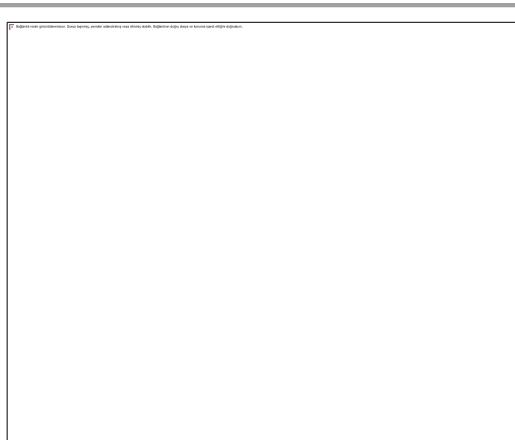
## Parameters

Name	Value	Type	Visible
ComponentLink1Description	New link	STRING	False
ComponentLink1URL	<a href="https://www.direnc.net/atmega328p-au-smd-8bit-20mhz-mikrodenetleyici-tqfp32">https://www.direnc.net/atmega328p-au-smd-8bit-20mhz-mikrodenetleyici-tqfp32</a>	STRING	False
Comment	*	STRING	False

## Models



<b>Model Name</b>	<b>TQFP80P900X900X120-32N</b>
<b>Model Type</b>	Footprint
<b>Description</b>	TQFP, 32-Leads, Body 7.00x7.00mm, Pitch 0.80mm, IPC Medium Density
<b>Height</b>	47.244mil
<b>Dimension</b>	619.806mil x 415.354mil
<b>Number of Pads</b>	32
<b>Number of Primitives</b>	46

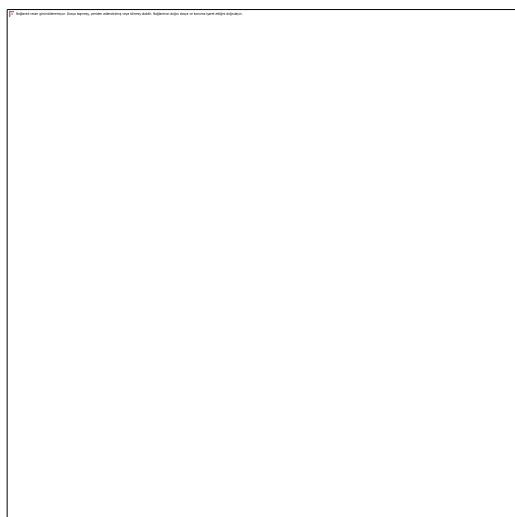


<b>Library Reference</b>	<b>BMP280</b>
<b>Description</b>	BMP280 PRESSURE
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	U?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	8
<b>Number of Models</b>	1

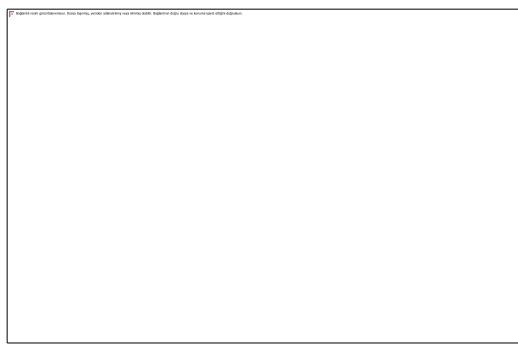
## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models



<b>Model Name</b>	<b>BMP280</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	125.946mil x 114.173mil
<b>Number of Pads</b>	8
<b>Number of Primitives</b>	16

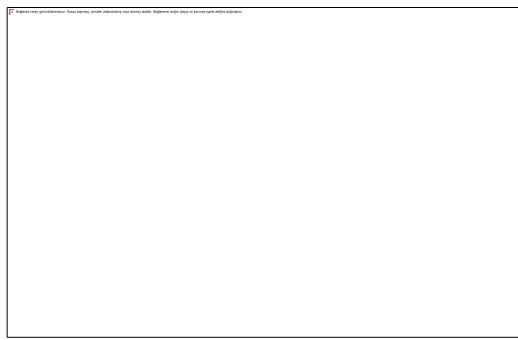


<b>Library</b>	Buzzer
<b>Reference</b>	
<b>Description</b>	
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	LS?
<b>Number of Parameters</b>	7
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

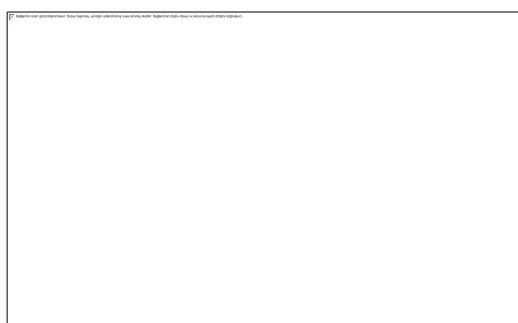
## Parameters

Name	Value	Type	Visible
Fanell Code	1669967	STRING	False
Manufacturer	TDK	STRING	False
Manufacturer Code	PS1420P02CT	STRING	False
Unit Price	0,91	STRING	False
Voltage	5V	STRING	False
Value	Buzzer	STRING	False
Comment	*	STRING	False

## Models



<b>Model Name</b>	Buzzer
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	619.806mil x 480.315mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	7

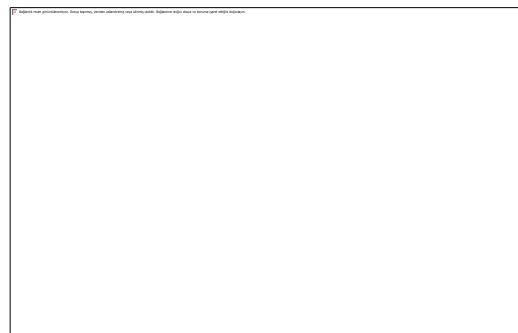


<b>Library</b>	BUZZER 5V
<b>Reference</b>	
<b>Description</b>	BUZZER 5v YX-YT12075-YT05D
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	LS?
<b>Number of Parameters</b>	3
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

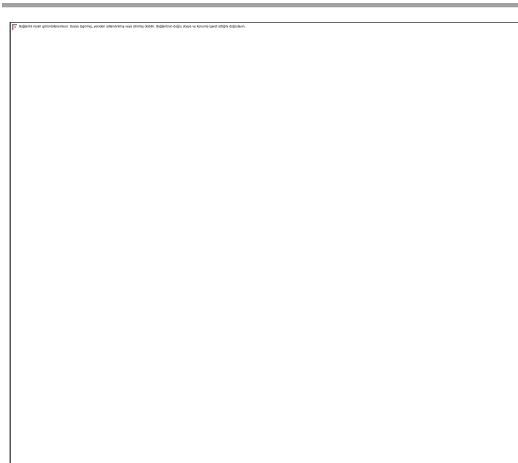
## Parameters

Name	Value	Type	Visible
ComponentLink1Description	New link	STRING	False
ComponentLink1URL	<a href="https://ozdisan.com/elektromekanik-komponentler/ses-urunleri/buzzerlar/YX-YT12075-YT05D">https://ozdisan.com/elektromekanik-komponentler/ses-urunleri/buzzerlar/YX-YT12075-YT05D</a>	STRING	False
Comment	*	STRING	True

## Models



<b>Model Name</b>	<b>BUZZER 5v</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	625.848mil x 502.968mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	8



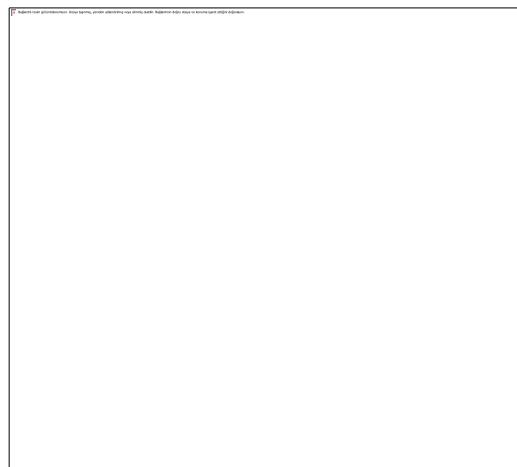
<b>Library Reference</b>	<b>BV302S12010-ZU</b>
<b>Description</b>	230VAC to12VAC Transformer Pwr Xfmr Laminated 1VA Th
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	*
<b>Number of Parameters</b>	11
<b>Number of Pins</b>	4
<b>Number of Models</b>	1

## Parameters

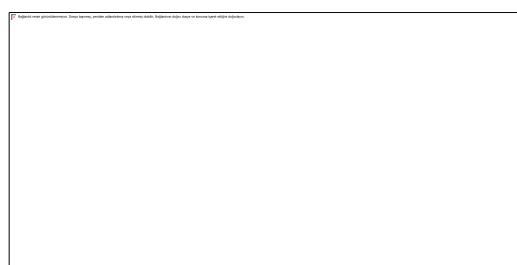
Name	Value	Type	Visible
Supplier 1	Digi-Key	STRING	False
Manufacturer	Zettler Magnetics	STRING	False
Manufacturer Part Number	BV302S12010-ZU	STRING	False
RoHS	No	STRING	False
Supplier Part Number 1	2469-BV302S12010-ZU-ND	STRING	False
Designed By	Sleyman ARIKAYA	STRING	False
Primary Voltage	230V	STRING	False
Secondary Voltage	12V	STRING	False
Operating Frequency	50-60Hz	STRING	False

Rated Power	1VA	STRING	True
Comment	BV302S12010-ZU	STRING	False

## Models



<b>Model Name</b>	<b>BV302S</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	1328.026mil x 1200.777mil
<b>Number of Pads</b>	4
<b>Number of Primitives</b>	22



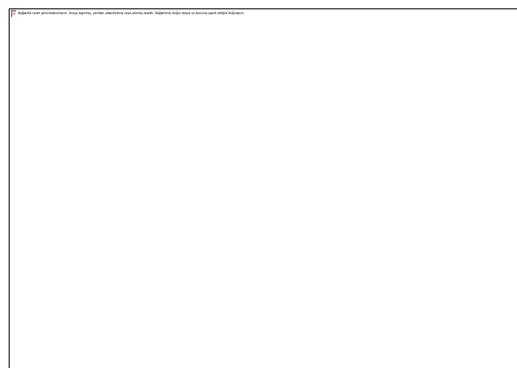
<b>Library Reference</b>	<b>CAP ALU ELEC 68uF 35V</b>
<b>Description</b>	Cap Aluminum Lytic 68uF 35V 20% (6.3 X 7.7mm) SMD 280mA 2000h 105C T/R
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	c?
<b>Number of Parameters</b>	29
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Designed By	Sleyman ARIKAYA	STRING	False
Supplier 1	Digi-Key	STRING	False
Manufacturer	KEMET	STRING	False
Manufacturer Part Number	EEV686M035A9HAA	STRING	False
RoHS	Yes	STRING	False
Category	Aluminum Electrolytic Capacitors	STRING	False
Pricing 1	1=0.67000, 10=0.47200, 50=0.35680, 100=0.31080, 500=0.23024 (USD)	STRING	False
Mount	Surface Mount	STRING	False
Case/Package	Radial	STRING	False
Min Operating Temperature	-40C	STRING	False

Max Operating Temperature	105C	STRING	False
Impedance	340mR	STRING	False
Packaging	Tape and Reel	STRING	False
Package Quantity	1	STRING	False
Voltage Rating	35V	STRING	False
Tolerance	20%	STRING	False
Ripple Current	196mA	STRING	False
Voltage Rating (DC)	35V	STRING	False
Termination	SMD/SMT	STRING	False
Life (Hours)	2000Hour	STRING	False
Series	EEV	STRING	False
Length	7.7mm	STRING	False
Height - Seated (Max)	0.315inch	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/5365/kem-a4002-eev-535332-5365784.pdf?src=supplier=Mouser">https://datasheet.ciiva.com/5365/kem-a4002-eev-535332-5365784.pdf?src=supplier=Mouser</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/5365/kem-a4002-eev-535332-5365784.pdf?src=supplier=Mouser">https://datasheet.ciiva.com/5365/kem-a4002-eev-535332-5365784.pdf?src=supplier=Mouser</a>	STRING	False
Supplier Part Number 1	399-6722-6-ND	STRING	False
Capacitance	68uF	STRING	True
Comment	EEV686M035A9HAA	STRING	True

## Models



<b>Model Name</b>	CAP_EEV_Series
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	330.607mil x 275.591mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	28



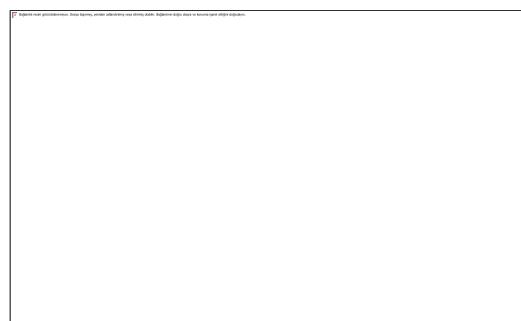
<b>Library Reference</b>	CAP ALU ELEC 470uF 50V
<b>Description</b>	CAP ALUM 470UF 20% 50V RADIAL
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	C?
<b>Number of Parameters</b>	21
<b>Number of Pins</b>	2

**Number of Models** 1

## Parameters

Name	Value	Type	Visible
Designed By	Sleyman ARIKAYA	STRING	False
Supplier 1	Digi-Key	STRING	False
Manufacturer	KEMET	STRING	False
Manufacturer Part Number	ESH477M050AH4AA	STRING	False
RoHS	Yes	STRING	False
Pricing 1	1=0.73000, 10=0.51800, 50=0.39180, 100=0.34120, 500=0.25276, 1000=0.21485, 2500=0.20222, 5000=0.18958 (USD)	STRING	False
Mount	Through Hole	STRING	False
Case/Package	CAP_RADIAL_D10_P5	STRING	False
Min Operating Temperature	-40C	STRING	False
Max Operating Temperature	105C	STRING	False
Polarity	Polar	STRING	False
Packaging	Bulk	STRING	False
Tolerance	20%	STRING	False
Voltage Rating	50V	STRING	False
Life (Hours)	2000Hour	STRING	False
RoHS Compliant	No	STRING	False
ComponentLink1URL	<a href="https://api.kemet.com/component-edge/download/datasheet/ESH477M050AH4AA.pdf?src-supplier=Digi-Key">https://api.kemet.com/component-edge/download/datasheet/ESH477M050AH4AA.pdf?src-supplier=Digi-Key</a>	STRING	False
ComponentLink1Description	<a href="https://api.kemet.com/component-edge/download/datasheet/ESH477M050AH4AA.pdf?src-supplier=Digi-Key">https://api.kemet.com/component-edge/download/datasheet/ESH477M050AH4AA.pdf?src-supplier=Digi-Key</a>	STRING	False
Supplier Part Number 1	399-15683-ND	STRING	False
Capacitance	470uF	STRING	True
Comment	ESH477M050AH4AA	STRING	True

## Models



<b>Model Name</b>	CAP_RADIAL_D10_P5
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	619.806mil x 421.26mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	11

<b>Library Reference</b>	CAP CER 0.1 uF 1206
<b>Description</b>	0.1 uF C1206
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	C?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Comment	*	STRING	False

## Models

<b>Model Name</b>	C1206_CER
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	177.165mil x 82.677mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	20

<b>Library Reference</b>	CAP CER 1uF 0805
<b>Description</b>	CAP CER 1uF %10 50V X7R 0805 SMD
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	C?
<b>Number of Parameters</b>	38
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Designed By	Sleyman ARIKAYA	STRING	False
Supplier 1	Digi-Key	STRING	False
Manufacturer	Samsung	STRING	False
Manufacturer Part Number	CL21B105KBFNNNE	STRING	False
RoHS	Yes	STRING	False
Category	Ceramic Capacitors	STRING	False
Stock 1	472080	STRING	False
Pricing 1	1=0.12000, 10=0.08600, 50=0.04900, 100=0.04060, 500=0.02848, 1000=0.02358 (USD)	STRING	False
Mount	Surface Mount	STRING	False
Case/Package	0805	STRING	False
Case Code (Metric)	2012	STRING	False
Case Code (Imperial)	0805	STRING	False
Min Operating Temperature	-55C	STRING	False
Max Operating Temperature	125C	STRING	False
Tolerance	10%	STRING	False
Packaging	Tape and Reel	STRING	False
Package Quantity	1	STRING	False
Voltage Rating	50V	STRING	False
Dielectric	X7R	STRING	False
Voltage	50V	STRING	False
Series	CL	STRING	False
Construction	Flat	STRING	False
Length	2mm	STRING	False
Width	0.049inch	STRING	False
Height	1.25mm	STRING	False
Thickness	0.053inch	STRING	False
Depth	1.25mm	STRING	False
Radiation Hardening	No	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/25800/cl21b105kbfnnne-25800291.pdf?src-supplier=Digi-Key">https://datasheet.ciiva.com/25800/cl21b105kbfnnne-25800291.pdf?src-supplier=Digi-Key</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/25800/cl21b105kbfnnne-25800291.pdf?src-supplier=Digi-Key">https://datasheet.ciiva.com/25800/cl21b105kbfnnne-25800291.pdf?src-supplier=Digi-Key</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/16449/cl21b105kbfnnne-16449003.pdf?src-supplier=Future+Electronics">https://datasheet.ciiva.com/16449/cl21b105kbfnnne-16449003.pdf?src-supplier=Future+Electronics</a>	STRING	False
ComponentLink2Description	<a href="https://datasheet.ciiva.com/16449/cl21b105kbfnnne-16449003.pdf?src-supplier=Future+Electronics">https://datasheet.ciiva.com/16449/cl21b105kbfnnne-16449003.pdf?src-supplier=Future+Electronics</a>	STRING	False
ComponentLink3URL	<a href="https://datasheet.ciiva.com/26838/getdatasheetpartid-354075-26838668.pdf?src-supplier=Verical">https://datasheet.ciiva.com/26838/getdatasheetpartid-354075-26838668.pdf?src-supplier=Verical</a>	STRING	False
ComponentLink3Description	<a href="https://datasheet.ciiva.com/26838/getdatasheetpartid-354075-26838668.pdf?src-supplier=Verical">https://datasheet.ciiva.com/26838/getdatasheetpartid-354075-26838668.pdf?src-supplier=Verical</a>	STRING	False
Supplier Part Number 1	1276-1029-1-ND	STRING	False

Capacitance	1uF	STRING	True
Comment	CL21B105KBFNNNE	STRING	True

## Models



<b>Model Name</b>	<b>C0805_CER</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	204.66mil x 59.055mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	20

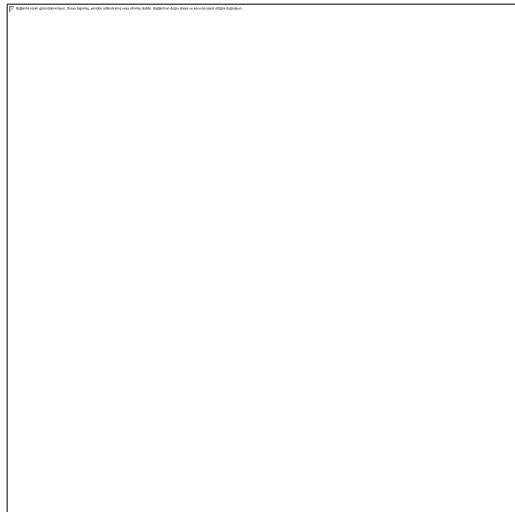


<b>Library Reference</b>	<b>CAP CER 2.2 nF 1206</b>
<b>Description</b>	2.2 nF C1206
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	C?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

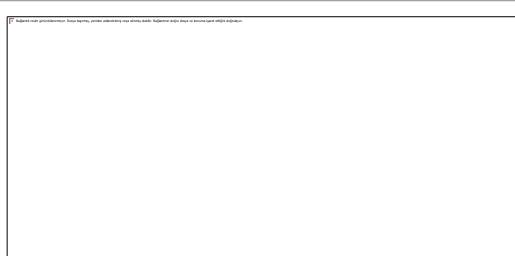
## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models



<b>Model Name</b>	C1206_CER
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	177.165mil x 82.677mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	20



<b>Library Reference</b>	<b>CAP CER 4.7uF 0805</b>
<b>Description</b>	CAP CER 4.7uF %10 25V X5R 0805 SMD
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	C?
<b>Number of Parameters</b>	35
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

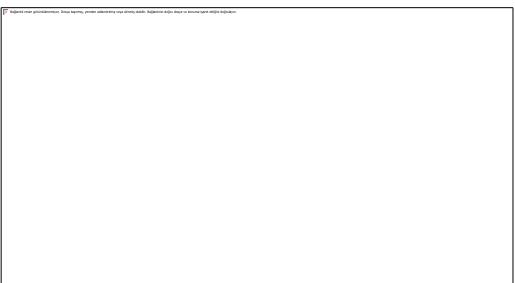
## Parameters

Name	Value	Type	Visible
Supplier 1	Digi-Key	STRING	False
Manufacturer	Samsung	STRING	False
Manufacturer Part Number	CL21A475KAQNNNE	STRING	False
RoHS	Yes	STRING	False
Category	Ceramic Capacitors	STRING	False
Stock 1	5293655	STRING	False
Pricing 1	1=0.11000, 10=0.08000, 50=0.04520, 100=0.03740, 500=0.02624, 1000=0.02172 (USD)	STRING	False
Mount	Surface Mount	STRING	False
Case/Package	0805	STRING	False
Case Code (Metric)	2012	STRING	False
Case Code (Imperial)	0805	STRING	False
Min Operating Temperature	-55C	STRING	False
Max Operating Temperature	85C	STRING	False
Package Quantity	1	STRING	False

Packaging	Tape and Reel	STRING	False
Tolerance	10%	STRING	False
Voltage Rating	25V	STRING	False
Dielectric	X5R	STRING	False
Voltage Rating (DC)	25V	STRING	False
Series	CL	STRING	False
Construction	Flat	STRING	False
Length	2mm	STRING	False
Width	0.049inch	STRING	False
Height	1.25mm	STRING	False
Thickness	0.055inch	STRING	False
Depth	1.25mm	STRING	False
Radiation Hardening	No	STRING	False
Lead Free	Lead Free	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/25798/cl21a475kaqnnne-25798882.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/25798/cl21a475kaqnnne-25798882.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/25798/cl21a475kaqnnne-25798882.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/25798/cl21a475kaqnnne-25798882.pdf?src=supplier=Digi-Key</a>	STRING	False
Designed By	Sleyman ARIKAYA	STRING	False
Supplier Part Number 1	1276-1244-1-ND	STRING	False
Capacitance	4.7uF	STRING	True
Comment	CL21A475KAQNNNE	STRING	True

## Models

	<b>Model Name</b> C0805_CER <b>Model Type</b> Footprint <b>Description</b> <b>Height</b> 0mil <b>Dimension</b> 204.66mil x 59.055mil <b>Number of Pads</b> 2 <b>Number of Primitives</b> 20
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	<b>Library Reference</b> CAP CER 10nF 0603 <b>Description</b> CAP CER 10nF %10 0603 SMD <b>Kind</b> Standard <b>Aliases</b> Component has no aliases <b>Designator</b> C? <b>Number of Parameters</b> 31 <b>Number of Pins</b> 2
---	--

**Number of  
Models**      1

**Parameters**

Name	Value	Type	Visible
Designed By	Sleyman ARIKAYA	STRING	False
Supplier 1	Digi-Key	STRING	False
Manufacturer	Walsin Technologies	STRING	False
Manufacturer Part Number	0603B103K160CT	STRING	False
RoHS	Yes	STRING	False
Category	Ceramic Capacitors	STRING	False
Stock 1	119097	STRING	False
Pricing 1	1=0.10000, 10=0.03600, 50=0.01980, 100=0.01620, 500=0.01156, 1000=0.00908 (USD)	STRING	False
Case/Package	0603	STRING	False
Case Code (Metric)	1608	STRING	False
Case Code (Imperial)	0603	STRING	False
Min Operating Temperature	-55C	STRING	False
Max Operating Temperature	125C	STRING	False
Tolerance	10%	STRING	False
Packaging	Tape and Reel	STRING	False
Dielectric	X7R	STRING	False
Voltage Rating	16V	STRING	False
Voltage Rating (DC)	16V	STRING	False
Length	1.6mm	STRING	False
Depth	0.8mm	STRING	False
REACH SVHC	Unknown	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="http://www.farnell.com/datasheets/1958513.pdf?src-supplier=Farnell">http://www.farnell.com/datasheets/1958513.pdf?src-supplier=Farnell</a>	STRING	False
ComponentLink1Description	<a href="http://www.farnell.com/datasheets/1958513.pdf?src-supplier=Farnell">http://www.farnell.com/datasheets/1958513.pdf?src-supplier=Farnell</a>	STRING	False
ComponentLink2URL	<a href="http://www.farnell.com/datasheets/1958513.pdf?src-supplier=Element14">http://www.farnell.com/datasheets/1958513.pdf?src-supplier=Element14</a>	STRING	False
ComponentLink2Description	<a href="http://www.farnell.com/datasheets/1958513.pdf?src-supplier=Element14">http://www.farnell.com/datasheets/1958513.pdf?src-supplier=Element14</a>	STRING	False
ComponentLink3URL	<a href="http://www.passivecomponent.com/wp-content/uploads/2018/10/MLCC.pdf?src-supplier=Digi-Key">http://www.passivecomponent.com/wp-content/uploads/2018/10/MLCC.pdf?src-supplier=Digi-Key</a>	STRING	False
ComponentLink3Description	<a href="http://www.passivecomponent.com/wp-content/uploads/2018/10/MLCC.pdf?src-supplier=Digi-Key">http://www.passivecomponent.com/wp-content/uploads/2018/10/MLCC.pdf?src-supplier=Digi-Key</a>	STRING	False
Supplier Part Number 1	1292-1384-1-ND	STRING	False
Capacitance	10nF	STRING	True
Comment	0603B103K160CT	STRING	True

## Models

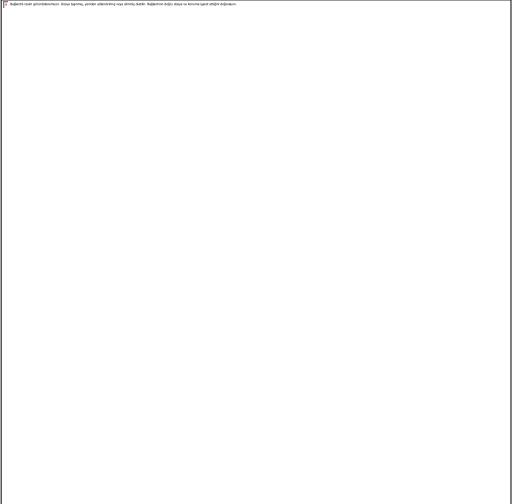
	<b>Model Name</b> C0603_CER
	<b>Model Type</b> Footprint
	<b>Description</b>
	<b>Height</b> 0mil
	<b>Dimension</b> 204.66mil x 43.307mil
	<b>Number of Pads</b> 2
	<b>Number of Primitives</b> 22

	<b>Library Reference</b> CAP CER 10 uF 1206
	<b>Description</b> 10 uF C1206
	<b>Kind</b> Standard
	<b>Aliases</b> Component has no aliases
	<b>Designator</b> C?
	<b>Number of Parameters</b> 1
	<b>Number of Pins</b> 2
	<b>Number of Models</b> 1

## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models

	<b>Model Name</b> C1206_CER
	<b>Model Type</b> Footprint
	<b>Description</b>
	<b>Height</b> 0mil
	<b>Dimension</b> 177.165mil x 82.677mil
	<b>Number of Pads</b> 2
	<b>Number of Primitives</b> 20

<b>Library Reference</b>	CAP CER 16 pF 1206
<b>Description</b>	16 pF
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	C?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models

<b>Model Name</b>	C1206_CER
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	177.165mil x 82.677mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	20

<b>Library Reference</b>	CAP CER 20pF 0603
<b>Description</b>	CAP CER 20pF %5 50V C0G/NP0 0603 SMD
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	C?
<b>Number of Parameters</b>	37
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Designed By	Sleyman ARIKAYA	STRING	False
Supplier 1	Digi-Key	STRING	False
Manufacturer	Samsung	STRING	False
Manufacturer Part Number	CL10C200JB8NNNC	STRING	False
RoHS	Yes	STRING	False
Category	Ceramic Capacitors	STRING	False
Stock 1	361229	STRING	False
Pricing 1	1=0.10000, 10=0.04700, 50=0.02580, 100=0.02110, 500=0.01510, 1000=0.01186 (USD)	STRING	False
Mount	Surface Mount	STRING	False
Case/Package	0603	STRING	False
Case Code (Metric)	1608	STRING	False
Case Code (Imperial)	0603	STRING	False
Min Operating Temperature	-55C	STRING	False
Max Operating Temperature	125C	STRING	False
Tolerance	5%	STRING	False
Dielectric	C0G	STRING	False
Package Quantity	1	STRING	False
Packaging	Tape and Reel	STRING	False
Voltage Rating	50V	STRING	False
Voltage	50V	STRING	False
Temperature Coefficient	300ppm/C	STRING	False
Series	CL	STRING	False
Construction	Flat	STRING	False
Length	1.6mm	STRING	False
Width	0.031inch	STRING	False
Height	0.8mm	STRING	False
Thickness	0.035inch	STRING	False
Depth	0.8mm	STRING	False
Radiation Hardening	No	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/26877/getdatasheetpartid-640634-26877974.pdf?src-supplier=Verical">https://datasheet.ciiva.com/26877/getdatasheetpartid-640634-26877974.pdf?src-supplier=Verical</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/26877/getdatasheetpartid-640634-26877974.pdf?src-supplier=Verical">https://datasheet.ciiva.com/26877/getdatasheetpartid-640634-26877974.pdf?src-supplier=Verical</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/26310/mlcc-catalogdownload2013-eng-26310315.pdf?src-supplier=Distrelec">https://datasheet.ciiva.com/26310/mlcc-catalogdownload2013-eng-26310315.pdf?src-supplier=Distrelec</a>	STRING	False
ComponentLink2Description	<a href="https://datasheet.ciiva.com/26310/mlcc-catalogdownload2013-eng-26310315.pdf?src-supplier=Distrelec">https://datasheet.ciiva.com/26310/mlcc-catalogdownload2013-eng-26310315.pdf?src-supplier=Distrelec</a>	STRING	False
Supplier Part Number 1	1276-1187-1-ND	STRING	False
Capacitance	20pF	STRING	True

Comment	CL10C200JB8NNNC	STRING	True
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## Models



<b>Model Name</b>	<b>C0603_CER</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	204.66mil x 43.307mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	22



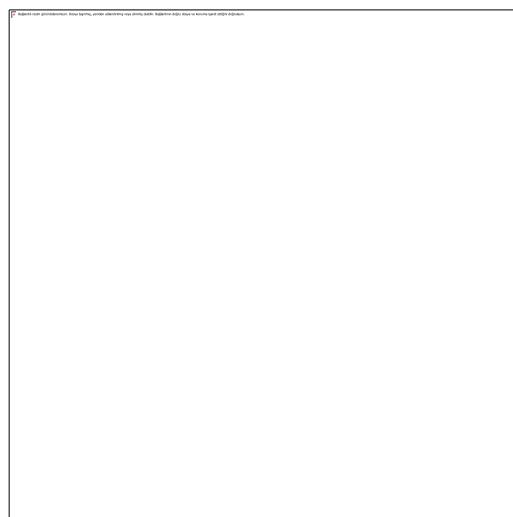
<b>Library Reference</b>	<b>CAP CER 33uF 1206</b>
<b>Description</b>	CAP CER 33uF %20 25V 1206 SMD
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	C?
<b>Number of Parameters</b>	38
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Supplier 1	Digi-Key	STRING	False
Manufacturer	TDK	STRING	False
Manufacturer Part Number	C3216X5R1E336M160AC	STRING	False
RoHS	Yes	STRING	False
Category	Ceramic Capacitors	STRING	False
Pricing 1	1=1.04000, 10=0.82500, 50=0.71500, 100=0.61880, 500=0.46750, 1000=0.41250 (USD)	STRING	False
Mount	Surface Mount	STRING	False
Case/Package	1206	STRING	False
Case Code (Metric)	3216	STRING	False
Case Code (Imperial)	1206	STRING	False
Weight	0.000571oz	STRING	False
Dielectric Material	Ceramic	STRING	False
Min Operating Temperature	-55C	STRING	False
Max Operating Temperature	85C	STRING	False
Voltage Rating	25V	STRING	False

Tolerance	20%	STRING	False
Packaging	Tape and Reel	STRING	False
Termination	SMD/SMT	STRING	False
Series	C	STRING	False
Package Quantity	1	STRING	False
Voltage Rating (DC)	25V	STRING	False
Dielectric	X5R	STRING	False
Resistor Type	Ceramic	STRING	False
Length	3.2mm	STRING	False
Width	0.063inch	STRING	False
Depth	1.6mm	STRING	False
Thickness	1.6mm	STRING	False
REACH SVHC	No SVHC	STRING	False
Lead Free	Lead Free	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/24216/c3216x5r1e336m160ac-265051-24216512.pdf?src=supplier=Mouser">https://datasheet.ciiva.com/24216/c3216x5r1e336m160ac-265051-24216512.pdf?src=supplier=Mouser</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/24216/c3216x5r1e336m160ac-265051-24216512.pdf?src=supplier=Mouser">https://datasheet.ciiva.com/24216/c3216x5r1e336m160ac-265051-24216512.pdf?src=supplier=Mouser</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/6285/tdkmlcccaprange-6285278.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/6285/tdkmlcccaprange-6285278.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink2Description	<a href="https://datasheet.ciiva.com/6285/tdkmlcccaprange-6285278.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/6285/tdkmlcccaprange-6285278.pdf?src=supplier=Digi-Key</a>	STRING	False
Designed By	Sleyman ARIKAYA	STRING	False
Supplier Part Number 1	445-8046-6-ND	STRING	False
Capacitance	33uF	STRING	True
Comment	C3216X5R1E336M160AC	STRING	True

## Models



<b>Model Name</b>	<b>C1206_CER</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	177.165mil x 82.677mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	20

<b>Library Reference</b>	CAP CER 100nF 0603
<b>Description</b>	CAP CER 100nF %10 0603 SMD
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	C?
<b>Number of Parameters</b>	35
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

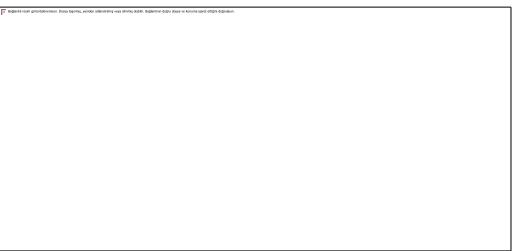
## Parameters

Name	Value	Type	Visible
Supplier 1	Digi-Key	STRING	False
Manufacturer	KEMET	STRING	False
Manufacturer Part Number	C0603C104K5RAC7411	STRING	False
RoHS	Yes	STRING	False
Category	Ceramic Capacitors	STRING	False
Stock 1	3120000	STRING	False
Pricing 1	15000=0.01540, 30000=0.01463, 75000=0.01309, 150000=0.01024 (USD)	STRING	False
Mount	Surface Mount	STRING	False
Case/Package	0603	STRING	False
Case Code (Metric)	1608	STRING	False
Case Code (Imperial)	0603	STRING	False
Dielectric Material	Ceramic	STRING	False
Min Operating Temperature	-55C	STRING	False
Max Operating Temperature	125C	STRING	False
Voltage Rating (DC)	50V	STRING	False
Tolerance	10%	STRING	False
Packaging	Tape and Reel	STRING	False
Package Quantity	15000	STRING	False
Voltage Rating	50V	STRING	False
Dielectric	X7R	STRING	False
Termination	SMD/SMT	STRING	False
Dissipation Factor	2.5%	STRING	False
Length	1.6mm	STRING	False
Width	0.031inch	STRING	False
Height	0.8mm	STRING	False
Thickness	0.035inch	STRING	False
Lead Pitch	0.7mm	STRING	False
Depth	0.8mm	STRING	False

Radiation Hardening	No	STRING	False
ComponentLink1URL	<a href="https://datasheet.civa.com/5424/kem-c1002-x7r-smd-5424426.pdf?src=supplier=Mouser">https://datasheet.civa.com/5424/kem-c1002-x7r-smd-5424426.pdf?src=supplier=Mouser</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.civa.com/5424/kem-c1002-x7r-smd-5424426.pdf?src=supplier=Mouser">https://datasheet.civa.com/5424/kem-c1002-x7r-smd-5424426.pdf?src=supplier=Mouser</a>	STRING	False
Supplier Part Number 1	399-7374-2-ND	STRING	False
Designed By	Sleyman ARIKAYA	STRING	False
Capacitance	100nF	STRING	True
Comment	C0603C104K5RAC7411	STRING	True

## Models

	<b>Model Name</b>	<b>C0603_CER</b>
	<b>Model Type</b>	Footprint
	<b>Description</b>	
	<b>Height</b>	0mil
	<b>Dimension</b>	204.66mil x 43.307mil
	<b>Number of Pads</b>	2
	<b>Number of Primitives</b>	22

	<b>Library Reference</b>	<b>CAP CER 100nF 0805</b>
	<b>Description</b>	CAP CER 100nF %10 50V X7R 0805 SMD
	<b>Kind</b>	Standard
	<b>Aliases</b>	Component has no aliases
	<b>Designator</b>	C?
	<b>Number of Parameters</b>	39
	<b>Number of Pins</b>	2
	<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Supplier 1	Digi-Key	STRING	False
Manufacturer	Samsung	STRING	False
Manufacturer Part Number	CL21B104KBCNNNC	STRING	False
RoHS	Yes	STRING	False
Category	Ceramic Capacitors	STRING	False
Stock 1	5839564	STRING	False
Pricing 1	1=0.10000, 10=0.04800, 50=0.02620, 100=0.02140, 500=0.01528, 1000=0.01201 (USD)	STRING	False

Mount	Surface Mount	STRING	False
Case/Package	0805	STRING	False
Case Code (Metric)	2012	STRING	False
Case Code (Imperial)	0805	STRING	False
Material	Ceramic	STRING	False
Contact Plating	Tin	STRING	False
Min Operating Temperature	-55C	STRING	False
Max Operating Temperature	125C	STRING	False
Tolerance	10%	STRING	False
Dielectric	X7R	STRING	False
Packaging	Tape and Reel	STRING	False
Voltage Rating	50V	STRING	False
Voltage	50V	STRING	False
Voltage Rating (DC)	50V	STRING	False
Series	CL	STRING	False
Construction	Flat	STRING	False
Length	2mm	STRING	False
Width	0.049inch	STRING	False
Height	0.85mm	STRING	False
Depth	1.25mm	STRING	False
Thickness	0.037inch	STRING	False
Radiation Hardening	No	STRING	False
Lead Free	Lead Free	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/25710/cl21b104kbcnnnc-25710182.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/25710/cl21b104kbcnnnc-25710182.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/25710/cl21b104kbcnnnc-25710182.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/25710/cl21b104kbcnnnc-25710182.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/29199/454152-da-01-en-vs-kondensator-0805-29199814.pdf?src=supplier=Conrad">https://datasheet.ciiva.com/29199/454152-da-01-en-vs-kondensator-0805-29199814.pdf?src=supplier=Conrad</a>	STRING	False
ComponentLink2Description	<a href="https://datasheet.ciiva.com/29199/454152-da-01-en-vs-kondensator-0805-29199814.pdf?src=supplier=Conrad">https://datasheet.ciiva.com/29199/454152-da-01-en-vs-kondensator-0805-29199814.pdf?src=supplier=Conrad</a>	STRING	False
Supplier Part Number 1	1276-1003-1-ND	STRING	False
Designed By	Sleyman ARIKAYA	STRING	False
Capacitance	100nF	STRING	True
Comment	CL21B104KBCNNNC	STRING	True

## Models



**Model Name** C0805\_CER  
**Model Type** Footprint  
**Description**  
**Height** 0mil

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<b>Dimension</b>	204.66mil x 59.055mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	20

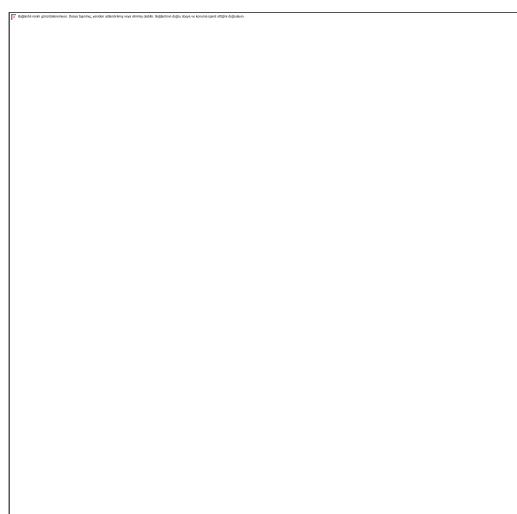


<b>Library Reference</b>	<b>CAP CER 330 nF 1206</b>
<b>Description</b>	330 nF C1206
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	C?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

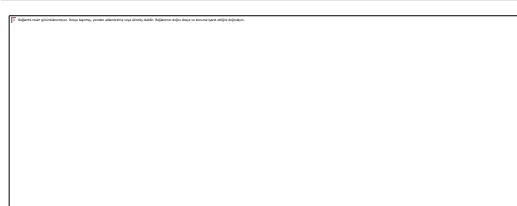
## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models



<b>Model Name</b>	<b>C1206_CER</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	177.165mil x 82.677mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	20



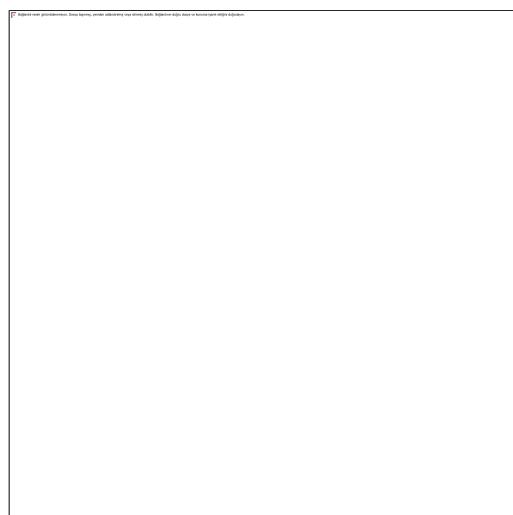
<b>Library Reference</b>	<b>CAP TAN 10 uF 1206</b>
<b>Description</b>	10 uF C1206 - TANTAL
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	C?

<b>Number of Parameters</b>	1
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

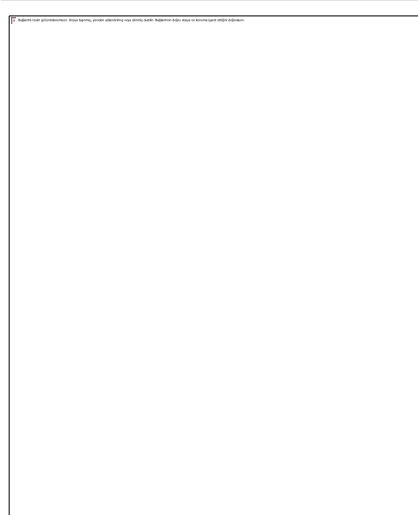
## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models



<b>Model Name</b>	C1206 - TANTAL
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	214.075mil x 90.551mil
<b>Number of Pads</b>	3
<b>Number of Primitives</b>	14



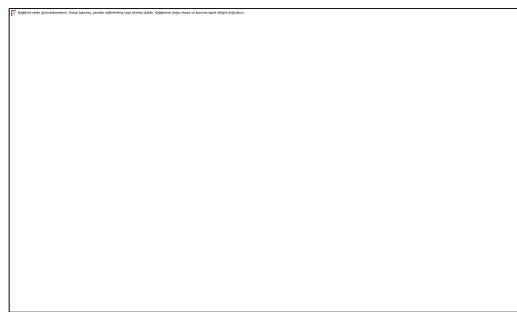
<b>Library Reference</b>	CMI-9605IC-0580T
<b>Description</b>	Buzzers Indicator, Internally Driven Magnetic 5 V 30mA 2.7kHz 80dB @ 5V, 10cm Through Hole PC Pins
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	LS?
<b>Number of Parameters</b>	14
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

## Parameters

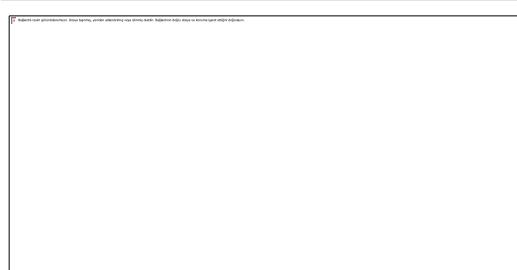
Name	Value	Type	Visible
Manufacturer	CUI	STRING	False

Manufacturer Part Number	CMI-9605-0580T	STRING	False
RoHS	No	STRING	False
ComponentLink1Description	Datasheet	STRING	False
ComponentLink1URL	<a href="https://www.cuidevices.com/product/resource/cmi-9605ic-0580t.pdf">https://www.cuidevices.com/product/resource/cmi-9605ic-0580t.pdf</a>	STRING	False
Designed By	Sleyman ARIKAYA	STRING	False
Supply Voltage-Nom	5V	STRING	False
Supplier 1	Digi-Key	STRING	False
Category	Audio Products	STRING	False
Stock 1	5	STRING	False
Pricing 1	1=1.43000, 10=1.19000, 25=1.10160, 50=1.03700, 100=0.97450, 500=0.83848, 1000=0.78382, 5000=0.76810 (USD)	STRING	False
Supplier Part Number 1	2223-CMI-9605IC-0580T-ND	STRING	False
Case/Package	CMI-9605IC-0580T	STRING	False
Comment	CMI-9605IC-0580T	STRING	False

## Models



<b>Model Name</b>	<b>CMI-9605IC-0580T</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	619.806mil x 401.575mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	11



<b>Library Reference</b>	<b>CRYSTAL 8MHz 12.5pF</b>
<b>Description</b>	8 MHz 12.5 pf Osc
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	Y?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	4
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models

	<b>Model Name</b> 8 MHZ Osc. <b>Model Type</b> Footprint <b>Description</b> <b>Height</b> 0mil <b>Dimension</b> 168.441mil x 136.935mil <b>Number of Pads</b> 4 <b>Number of Primitives</b> 16
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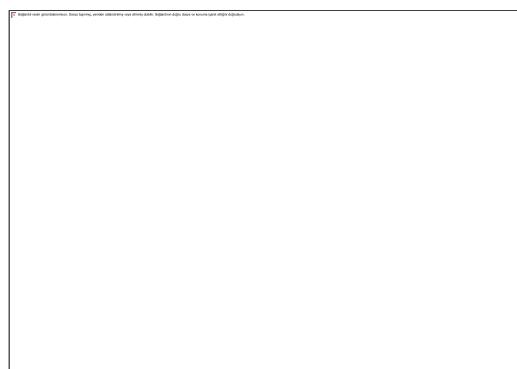
	<b>Library Reference</b> CRYSTAL 16MHz 20pF <b>Description</b> CRYSTAL 16.0000MHZ 20PF SMD <b>Kind</b> Standard <b>Aliases</b> Component has no aliases <b>Designator</b> Y? <b>Number of Parameters</b> 35 <b>Number of Pins</b> 4 <b>Number of Models</b> 1
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## Parameters

Name	Value	Type	Visible
Supplier 1	Digi-Key	STRING	False
Manufacturer	ECS International	STRING	False
Manufacturer Part Number	ECS-160-20-30B-TR	STRING	False
RoHS	Yes	STRING	False
Category	Crystals	STRING	False
Stock 1	11830	STRING	False
Pricing 1	1=1.34000, 10=1.28100, 50=1.25140, 100=1.07260, 500=1.04282 (USD)	STRING	False
Mount	Surface Mount	STRING	False
Case/Package	ECS CRYSTAL 16MHZ	STRING	False
Min Operating Temperature	-20C	STRING	False
Max Operating Temperature	70C	STRING	False
Package Quantity	1	STRING	False
Frequency Tolerance	30ppm	STRING	False

Load Capacitance	20pF	STRING	False
ESR (Equivalent Series Resistance)	50R	STRING	False
Packaging	Tape and Reel	STRING	False
Frequency Stability	50ppm	STRING	False
Tolerance	50ppm	STRING	False
Termination	SMD/SMT	STRING	False
Series	ECX-53B	STRING	False
Length	0.197inch	STRING	False
Width	0.126inch	STRING	False
Height	0.033inch	STRING	False
Lead Free	Lead Free	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/853/ecx-53b-853408.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/853/ecx-53b-853408.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/853/ecx-53b-853408.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/853/ecx-53b-853408.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/853/ecx-53b-853407.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/853/ecx-53b-853407.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink2Description	<a href="https://datasheet.ciiva.com/853/ecx-53b-853407.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/853/ecx-53b-853407.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink3URL	<a href="https://datasheet.ciiva.com/853/ecx-53b-853406.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/853/ecx-53b-853406.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink3Description	<a href="https://datasheet.ciiva.com/853/ecx-53b-853406.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/853/ecx-53b-853406.pdf?src=supplier=Digi-Key</a>	STRING	False
Supplier Part Number 1	XC1120CT-ND	STRING	False
Designed By	Sleyman ARIKAYA	STRING	False
Frequency	16MHz	STRING	True
Comment	ECS-160-20-30B-TR	STRING	True

## Models



<b>Model Name</b>	<b>ECS CRYSTAL 16MHZ</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	220.472mil x 149.606mil
<b>Number of Pads</b>	4
<b>Number of Primitives</b>	18

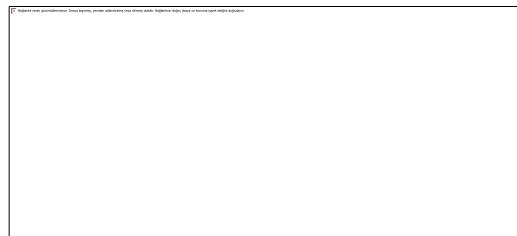
<b>Library Reference</b>	CRYSTAL 32768kHz
<b>Description</b>	CRYSTAL 32.7680KHZ 12.5PF SMD
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	Y?
<b>Number of Parameters</b>	42
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

## Parameters

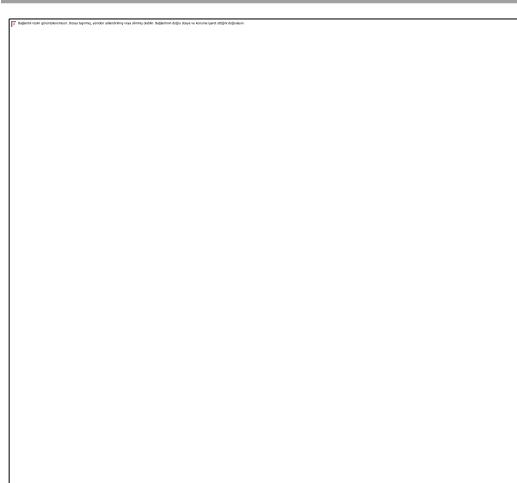
Name	Value	Type	Visible
Designed By	Sleyman ARIKAYA	STRING	False
Supplier 1	Digi-Key	STRING	False
Manufacturer	Abracan	STRING	False
Manufacturer Part Number	ABS05-32.768KHZ-T	STRING	False
RoHS	Yes	STRING	False
Category	Crystals	STRING	False
Stock 1	435809	STRING	False
Pricing 1	1=1.47000, 10=1.40400, 50=1.37080, 100=1.17500, 500=1.14240, 1000=0.96288 (USD)	STRING	False
Mount	Surface Mount	STRING	False
Case/Package	ABS05-32.768KHZ-T	STRING	False
Number of Pins	2	STRING	False
Min Operating Temperature	-40C	STRING	False
Max Operating Temperature	85C	STRING	False
Packaging	Tape and Reel	STRING	False
Frequency Tolerance	20ppm	STRING	False
Load Capacitance	12.5pF	STRING	False
Package Quantity	3000	STRING	False
ESR (Equivalent Series Resistance)	90kR	STRING	False
Tolerance	20ppm	STRING	False
Termination	SMD/SMT	STRING	False
Series Resistance	90kR	STRING	False
Series	ABS05	STRING	False
Operating Frequency	32.768 kHz	STRING	False
Length	1.6mm	STRING	False
Width	0.039inch	STRING	False
Height	0.02inch	STRING	False
Depth	1mm	STRING	False
Radiation Hardening	No	STRING	False

REACH SVHC	No SVHC	STRING	False
Lead Free	Lead Free	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/23810/abs05-23810480.pdf?src-supplier=Newark">https://datasheet.ciiva.com/23810/abs05-23810480.pdf?src-supplier=Newark</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/23810/abs05-23810480.pdf?src-supplier=Newark">https://datasheet.ciiva.com/23810/abs05-23810480.pdf?src-supplier=Newark</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/6728/abs05-6728949.pdf?src-supplier=Digi-Key">https://datasheet.ciiva.com/6728/abs05-6728949.pdf?src-supplier=Digi-Key</a>	STRING	False
ComponentLink2Description	<a href="https://datasheet.ciiva.com/6728/abs05-6728949.pdf?src-supplier=Digi-Key">https://datasheet.ciiva.com/6728/abs05-6728949.pdf?src-supplier=Digi-Key</a>	STRING	False
ComponentLink3URL	<a href="https://datasheet.ciiva.com/6728/abs05-6728950.pdf?src-supplier=Digi-Key">https://datasheet.ciiva.com/6728/abs05-6728950.pdf?src-supplier=Digi-Key</a>	STRING	False
ComponentLink3Description	<a href="https://datasheet.ciiva.com/6728/abs05-6728950.pdf?src-supplier=Digi-Key">https://datasheet.ciiva.com/6728/abs05-6728950.pdf?src-supplier=Digi-Key</a>	STRING	False
ComponentLink4URL	<a href="https://datasheet.ciiva.com/16411/abs05-16411149.pdf?src-supplier=Future+Electronics">https://datasheet.ciiva.com/16411/abs05-16411149.pdf?src-supplier=Future+Electronics</a>	STRING	False
ComponentLink4Description	<a href="https://datasheet.ciiva.com/16411/abs05-16411149.pdf?src-supplier=Future+Electronics">https://datasheet.ciiva.com/16411/abs05-16411149.pdf?src-supplier=Future+Electronics</a>	STRING	False
Supplier Part Number 1	535-11899-1-ND	STRING	False
Frequency	32.768kHz	STRING	True
Comment	ABS05-32.768KHZ-T	STRING	True

## Models



<b>Model Name</b>	<b>ABS05</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	125.946mil x 51.181mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	22

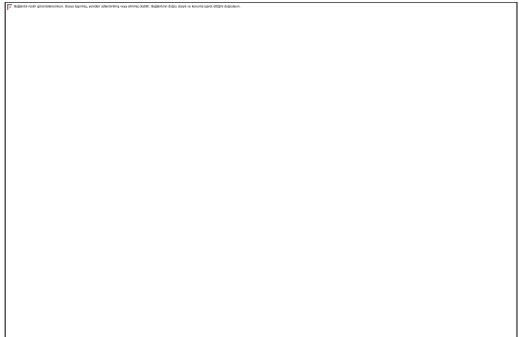


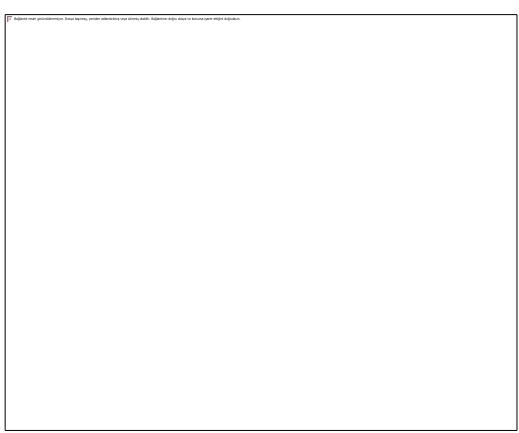
<b>Library Reference</b>	<b>DB105S</b>
<b>Description</b>	Bridge Rect 1PHASE 600V 1A Db-s
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	BR?
<b>Number of Parameters</b>	13
<b>Number of Pins</b>	4
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Designed By	Sleyman ARIKAYA	STRING	False
Supplier 1	Digi-Key	STRING	False
Manufacturer	Sangdest Microelectronics	STRING	False
Manufacturer Part Number	DB105S	STRING	False
RoHS	No	STRING	False
Category	Uncategorized	STRING	False
Stock 1	34500	STRING	False
Pricing 1	1500=0.11000, 3000=0.09900, 7500=0.09350, 10500=0.08525, 37500=0.07975 (USD)	STRING	False
Supplier Part Number 1	1655-DB105STR-ND	STRING	False
Operating Voltage	600V	STRING	False
Max Current	1A	STRING	False
Case/Package	DB105S	STRING	False
Comment	DB105S	STRING	False

## Models

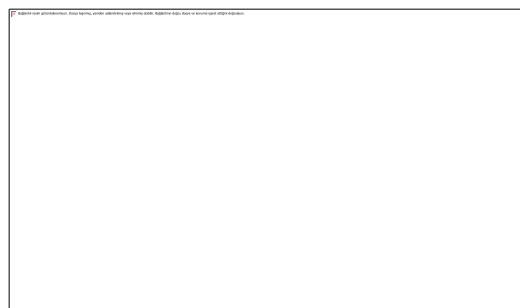
	<b>Model Name</b> DB105S <b>Model Type</b> Footprint <b>Description</b> <b>Height</b> 0mil <b>Dimension</b> 619.806mil x 421.26mil <b>Number of Pads</b> 4 <b>Number of Primitives</b> 25
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	<b>Library Reference</b> EG1215AA <b>Description</b> Slide Switch, SPDT, 0.025A, 24V, SMD <b>Kind</b> Standard <b>Aliases</b> Component has no aliases <b>Designator</b> * <b>Number of Parameters</b> 33 <b>Number of Pins</b> 3 <b>Number of Models</b> 1
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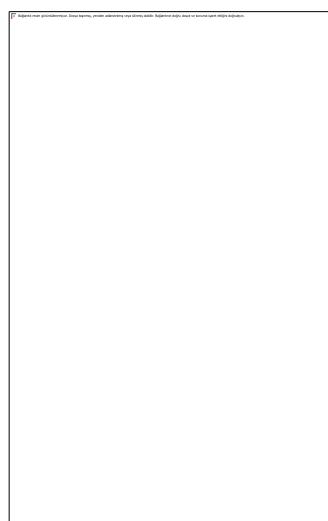
## Parameters

Name	Value	Type	Visible
Supplier 1	Digi-Key	STRING	False
Manufacturer	E-Switch	STRING	False
Manufacturer Part Number	EG1215AA	STRING	False
RoHS	Yes	STRING	False
Stock 1	16131	STRING	False
Pricing 1	1=0.99000, 10=0.95100, 25=0.88840, 100=0.77150, 250=0.70200, 500=0.65080, 1000=0.60327 (USD)	STRING	False
Mount	Surface Mount,Through Hole	STRING	False
Case/Package	Axial - EG1215AA	STRING	False
Mechanical Life	10000Cycles	STRING	False
Min Operating Temperature	-20C	STRING	False
Max Operating Temperature	175C	STRING	False
Throw Configuration	SPDT	STRING	False
Packaging	Cut Tape	STRING	False
Switch Function	On-On	STRING	False
Current Rating	25mA	STRING	False
Voltage Rating (DC)	24V	STRING	False
Actuator Type	Standard	STRING	False
Termination	Gull Wing	STRING	False
Switch Travel	1.5mm	STRING	False
Electrical Life	10000Cycles	STRING	False
Operating Force	150gf	STRING	False
Zener Voltage	9.1V	STRING	False
Tolerance	4.95%	STRING	False
Max Power Dissipation	5W	STRING	False
Impedance	2R	STRING	False
Actuator Length	1.4mm	STRING	False
ComponentLink1URL	<a href="https://media.digikey.com/pdf/Data%20Sheets/E-Switch%20PDFs/EG1215_Series_Ds.pdf?src-supplier=Digi-Key">https://media.digikey.com/pdf/Data%20Sheets/E-Switch%20PDFs/EG1215_Series_Ds.pdf?src-supplier=Digi-Key</a>	STRING	False
ComponentLink1Description	<a href="https://media.digikey.com/pdf/Data%20Sheets/E-Switch%20PDFs/EG1215_Series_Ds.pdf?src-supplier=Digi-Key">https://media.digikey.com/pdf/Data%20Sheets/E-Switch%20PDFs/EG1215_Series_Ds.pdf?src-supplier=Digi-Key</a>	STRING	False
ComponentLink2URL	<a href="http://www.farnell.com/datasheets/2645007.pdf?src-supplier=Farnell">http://www.farnell.com/datasheets/2645007.pdf?src-supplier=Farnell</a>	STRING	False
ComponentLink2Description	<a href="http://www.farnell.com/datasheets/2645007.pdf?src-supplier=Farnell">http://www.farnell.com/datasheets/2645007.pdf?src-supplier=Farnell</a>	STRING	False
Supplier Part Number 1	EG5720CT-ND	STRING	False
Designed By	Sleyman ARIKAYA	STRING	False
Comment	EG1215AA	STRING	False

## Models



<b>Model Name</b>	EG1215AA
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	338.583mil x 220.472mil
<b>Number of Pads</b>	9
<b>Number of Primitives</b>	31



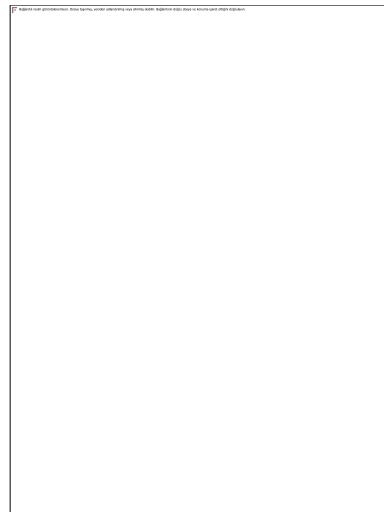
<b>Library Reference</b>	ESP32-WROOM-32 (16MB)
<b>Description</b>	Bluetooth, WiFi 802.11b/g/n, Bluetooth v4.2 +EDR, Class 1, 2 and 3 Transceiver Module 2.4GHz ~ 2.5GHz Surface Mount
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	U?
<b>Number of Parameters</b>	28
<b>Number of Pins</b>	39
<b>Number of Models</b>	1

## Parameters

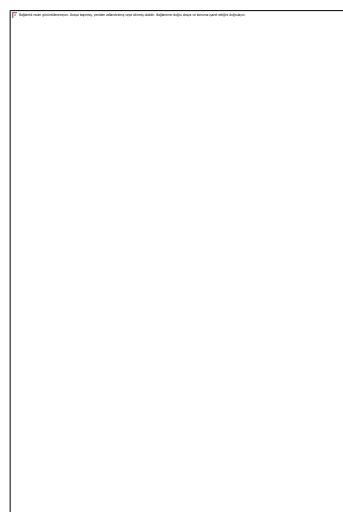
Name	Value	Type
Designed By	Sleyman ARIKAYA	STRING
Manufacturer	Espressif Systems	STRING
Manufacturer Part Number	ESP32-WROOM-32E(M113EH3200PH3Q0)	STRING
RoHS	No	STRING
Category	RF Receivers, Transceivers	STRING
Stock 1	47	STRING
Pricing 1	1=4.20000 (USD)	STRING
ComponentLink1Description	Datasheet	STRING
ComponentLink1URL	<a href="https://espressif.com/sites/default/files/documentation/esp32_datasheet_en.pdf">https://espressif.com/sites/default/files/documentation/esp32_datasheet_en.pdf</a>	STRING
Min Operating Temperature	-40	STRING
Max Operating Temperature	+85	STRING
Supply Voltage-Nom	3.3V	STRING
Mount	Surface Mount	STRING
Case/Package	ESP32-WROOM-32 - SMD/SMT	STRING
Weight	0.088185oz	STRING
Packaging	Cut Tape	STRING
Frequency	2.5GHz	STRING
Data Rate	150Mbps	STRING

Sensitivity	-98dBm	STRING
Package Quantity	550	STRING
Operating Supply Voltage	3.6V	STRING
ComponentLink2URL	<a href="https://datasheet.ciiva.com/70828/esp32-wroom-32-datasheet-en-70828769.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/70828/esp32-wroom-32-datasheet-en-70828769.pdf?src=supplier=Digi-Key</a>	STRING
ComponentLink2Description	<a href="https://datasheet.ciiva.com/70828/esp32-wroom-32-datasheet-en-70828769.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/70828/esp32-wroom-32-datasheet-en-70828769.pdf?src=supplier=Digi-Key</a>	STRING
ComponentLink3URL	<a href="https://datasheet.ciiva.com/69725/esp32-datasheet-en-69725253.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/69725/esp32-datasheet-en-69725253.pdf?src=supplier=Digi-Key</a>	STRING
ComponentLink3Description	<a href="https://datasheet.ciiva.com/69725/esp32-datasheet-en-69725253.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/69725/esp32-datasheet-en-69725253.pdf?src=supplier=Digi-Key</a>	STRING
Supplier 1	Digi-Key	STRING
Supplier Part Number 1	1904-1010-1-ND	STRING
Comment	ESP32-WROOM-32 (16MB)	STRING

## Models



<b>Model Name</b>	<b>ESP32-WROOM-32</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	759.055mil x 1041.153mil
<b>Number of Pads</b>	57
<b>Number of Primitives</b>	76

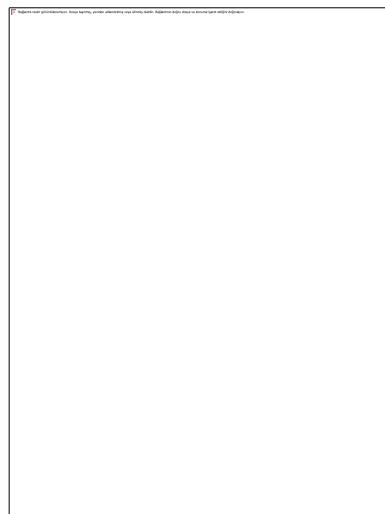


<b>Library Reference</b>	<b>ESP32-WROOM-32E-N4</b>
<b>Description</b>	Bluetooth, WiFi 802.11b/g/n, Bluetooth v4.2 +EDR, Class 1, 2 and 3 Transceiver Module 2.4GHz ~ 2.5GHz Integrated, Trace Surface Mount
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	U?
<b>Number of Parameters</b>	16
<b>Number of Pins</b>	38
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Designed By	Sleyman ARIKAYA	STRING	False
Supplier 1	Digi-Key	STRING	False
Manufacturer	Espressif Systems	STRING	False
Manufacturer Part Number	ESP32-WROOM-32E(M113EH3200PH3Q0)	STRING	False
RoHS	No	STRING	False
Category	RF Receivers, Transceivers	STRING	False
Stock 1	43200	STRING	False
Pricing 1	650=3.00000 (USD)	STRING	False
Supplier Part Number 1	1965-ESP32-WROOM-32E-N4TR-ND	STRING	False
ComponentLink1Description	Datasheet	STRING	False
ComponentLink1URL	<a href="https://www.espressif.com/sites/default/files/documentation/esp32-wroom-32e_esp32-wroom-32ue_datasheet_en.pdf">https://www.espressif.com/sites/default/files/documentation/esp32-wroom-32e_esp32-wroom-32ue_datasheet_en.pdf</a>	STRING	False
Min Operating Temperature	-40	STRING	False
Max Operating Temperature	+85	STRING	False
Supply Voltage-Nom	3.3V	STRING	False
Case/Package	ESP32-WROOM-32E-N4	STRING	False
Comment	ESP32-WROOM-32E-N4	STRING	False

## Models



<b>Model Name</b>	<b>ESP32-WROOM-32E-N4</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	759.843mil x 1041.153mil
<b>Number of Pads</b>	47
<b>Number of Primitives</b>	66

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<b>Library Reference</b>	<b>FFC / FPC Board Connector, 0.5 mm, 20 Contacts</b>
<b>Description</b>	FFC / FPC Board Connector, 0.5 mm, 20 Contacts, Receptacle, Surface Mount, Bottom
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	J?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	20
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models

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<b>Model Name</b>	<b>FFC / FPC Board Connector, 0.5 mm, 20 Contacts</b>
<b>Model Type</b>	Footprint
<b>Description</b>	FFC / FPC Board Connector, 0.5 mm, 20 Contacts, Receptacle, Surface Mount, Bottom
<b>Height</b>	0mil
<b>Dimension</b>	619.806mil x 224.409mil
<b>Number of Pads</b>	20
<b>Number of Primitives</b>	26

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<b>Library Reference</b>	<b>FUSE 3413.0216.22</b>
<b>Description</b>	FUSE BRD MNT 1A 32VAC 63VDC 1206
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	F?
<b>Number of Parameters</b>	56
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Supplier 1	Digi-Key	STRING	False
Manufacturer	Schurter	STRING	False
Manufacturer Part Number	3413.0216.22	STRING	False
RoHS	Yes	STRING	False
Category	Fuses	STRING	False
Pricing 1	1=0.67000, 50=0.52400, 100=0.39700, 500=0.31100 (USD)	STRING	False
Mount	Surface Mount,PCB	STRING	False
Case/Package	1206	STRING	False
Number of Pins	2	STRING	False
Weight	0.000212oz	STRING	False
Case Code (Metric)	3216	STRING	False
Case Code (Imperial)	1206	STRING	False
Body Material	Glass,Epoxy	STRING	False
Contact Plating	Gold	STRING	False
Housing Material	Glass	STRING	False
Terminal Material	Tin	STRING	False
Min Operating Temperature	-55C	STRING	False
Max Operating Temperature	90C	STRING	False
Current Rating	1A	STRING	False
Max Voltage Rating (DC)	63V	STRING	False
Package Quantity	1000	STRING	False
Voltage Rating (AC)	32V	STRING	False
Voltage Rating (DC)	63V	STRING	False
Packaging	Tape and Reel	STRING	False
Max Voltage Rating (AC)	32V	STRING	False
Voltage Rating	32V	STRING	False
DC Cold Resistance	94.2mR	STRING	False
Termination	SMD/SMT	STRING	False
Working Voltage	32V	STRING	False
Fuse Type	Board Mount (Cartridge Style Excluded)	STRING	False
Series	USI 1206	STRING	False
Length	3.2mm	STRING	False
Width	1.6mm	STRING	False
Height	0.6mm	STRING	False
Depth	1.6mm	STRING	False
Radiation Hardening	No	STRING	False
Approvals	VDE,cURus	STRING	False
Lead Free	Lead Free	STRING	False
RoHS Compliant	Yes	STRING	False

ComponentLink1URL	<a href="https://datasheet.ciiva.com/301/typ-usi-1206-301440.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/301/typ-usi-1206-301440.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/301/typ-usi-1206-301440.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/301/typ-usi-1206-301440.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/14541/70160006-14541114.pdf?src=supplier=Allied+Electronics">https://datasheet.ciiva.com/14541/70160006-14541114.pdf?src=supplier=Allied+Electronics</a>	STRING	False
ComponentLink2Description	<a href="https://datasheet.ciiva.com/14541/70160006-14541114.pdf?src=supplier=Allied+Electronics">https://datasheet.ciiva.com/14541/70160006-14541114.pdf?src=supplier=Allied+Electronics</a>	STRING	False
ComponentLink3URL	<a href="https://datasheet.ciiva.com/301/typ-usi-1206-301439.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/301/typ-usi-1206-301439.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink3Description	<a href="https://datasheet.ciiva.com/301/typ-usi-1206-301439.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/301/typ-usi-1206-301439.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink4URL	<a href="https://datasheet.ciiva.com/301/typ-usi-1206-301441.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/301/typ-usi-1206-301441.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink4Description	<a href="https://datasheet.ciiva.com/301/typ-usi-1206-301441.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/301/typ-usi-1206-301441.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink5URL	<a href="https://datasheet.ciiva.com/8264/typ-usi-1206-8264583.pdf?src=supplier=Avnet">https://datasheet.ciiva.com/8264/typ-usi-1206-8264583.pdf?src=supplier=Avnet</a>	STRING	False
ComponentLink5Description	<a href="https://datasheet.ciiva.com/8264/typ-usi-1206-8264583.pdf?src=supplier=Avnet">https://datasheet.ciiva.com/8264/typ-usi-1206-8264583.pdf?src=supplier=Avnet</a>	STRING	False
ComponentLink6URL	<a href="https://datasheet.ciiva.com/14102/qousi1206-data-e-14102903.pdf?src=supplier=Distrelec">https://datasheet.ciiva.com/14102/qousi1206-data-e-14102903.pdf?src=supplier=Distrelec</a>	STRING	False
ComponentLink6Description	<a href="https://datasheet.ciiva.com/14102/qousi1206-data-e-14102903.pdf?src=supplier=Distrelec">https://datasheet.ciiva.com/14102/qousi1206-data-e-14102903.pdf?src=supplier=Distrelec</a>	STRING	False
ComponentLink7URL	<a href="https://datasheet.ciiva.com/16316/typ-usi-1206-16316588.pdf?src=supplier=Future+Electronics">https://datasheet.ciiva.com/16316/typ-usi-1206-16316588.pdf?src=supplier=Future+Electronics</a>	STRING	False
ComponentLink7Description	<a href="https://datasheet.ciiva.com/16316/typ-usi-1206-16316588.pdf?src=supplier=Future+Electronics">https://datasheet.ciiva.com/16316/typ-usi-1206-16316588.pdf?src=supplier=Future+Electronics</a>	STRING	False
Designed By	Sleyman ARIKAYA	STRING	False
Supplier Part Number 1	486-1144-6-ND	STRING	False
Comment	3413.0216.22	STRING	True

## Models



<b>Model Name</b>	<b>F1206</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	216.535mil x 74.803mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	20

<b>Library Reference</b>	<b>FUSE HOLDER 5A</b>
<b>Description</b>	5A Automotive Fuse Holder Keystone 3568
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	M?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models

<b>Model Name</b>	<b>KEYSTONE 3568</b>
<b>Model Type</b>	Footprint
<b>Description</b>	MINI PC AUTO-FUSE HOLDER
<b>Height</b>	290.158mil
<b>Dimension</b>	647.638mil x 285.433mil
<b>Number of Pads</b>	4
<b>Number of Primitives</b>	19

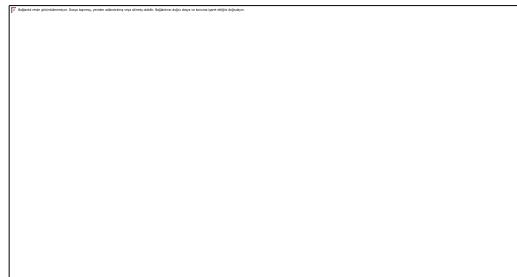
<b>Library Reference</b>	<b>FUSE HOLDER 80A</b>
<b>Description</b>	80A Automotive Fuse Holder Kablolu Baglanti icin
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	M?
<b>Number of Parameters</b>	3
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
ComponentLink1Description	New link	STRING	False

ComponentLink1URL	<a href="https://www.optifuse.com/inline-fuseholders-lpx-23.php">https://www.optifuse.com/inline-fuseholders-lpx-23.php</a>	STRING	False
Comment	*	STRING	True

## Models



<b>Model Name</b>	<b>FUSE HOLDER 80A</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	1003.937mil x 413.386mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	7



<b>Library Reference</b>	<b>FUSE HOLDER 80A_PCB</b>
<b>Description</b>	80A Automotive Fuse Holder PCB Baglantisi
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	M?
<b>Number of Parameters</b>	3
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
ComponentLink1Description	New link	STRING	False
ComponentLink1URL	<a href="http://www.farnell.com/datasheets/1703972.pdf">http://www.farnell.com/datasheets/1703972.pdf</a>	STRING	False
Comment	*	STRING	True

## Models



<b>Model Name</b>	<b>FUSE HOLDER 80A PCB</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	1401.575mil x 334.646mil
<b>Number of Pads</b>	4
<b>Number of Primitives</b>	11

	<b>Library Reference</b>	<b>HEADER 1x1</b>
	<b>Description</b>	
	<b>Kind</b>	Standard
	<b>Aliases</b>	Component has no aliases
	<b>Designator</b>	J?
	<b>Number of Parameters</b>	1
	<b>Number of Pins</b>	1
	<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models

	<b>Model Name</b>	<b>HEADER 1x1</b>
	<b>Model Type</b>	Footprint
	<b>Description</b>	
	<b>Height</b>	0mil
	<b>Dimension</b>	204.66mil x 82.677mil
	<b>Number of Pads</b>	1
	<b>Number of Primitives</b>	6

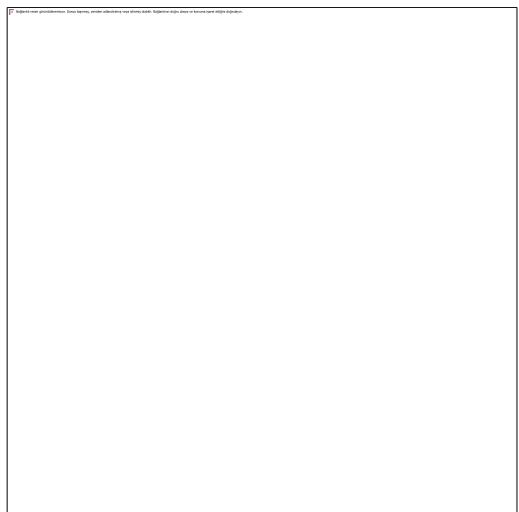


<b>Library Reference</b>	<b>HEADER 2.54mm 1x2</b>
<b>Description</b>	HEADER 2.54mm 1x2
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	J?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

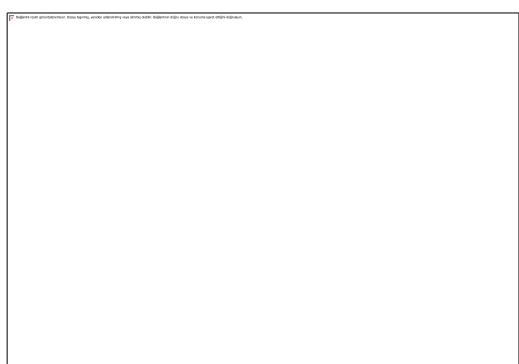
## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models



<b>Model Name</b>	<b>HEADER 2.54mm 1x2</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	206.661mil x 106.299mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	12

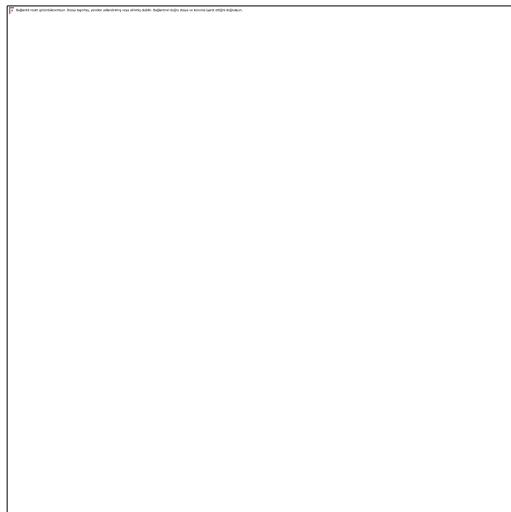


<b>Library Reference</b>	<b>HEADER 2.54mm 1x3</b>
<b>Description</b>	HEADER 2.54mm 1x3
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	J?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	3
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models



<b>Model Name</b>	<b>HEADER 2.54mm 1x3</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	318.898mil x 122.047mil
<b>Number of Pads</b>	3
<b>Number of Primitives</b>	14



<b>Library Reference</b>	<b>HEADER 2.54mm 1x4</b>
<b>Description</b>	HEADER 2.54mm 1x4
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	J?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	4
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models



<b>Model Name</b>	<b>HEADER 2.54mm 1x4</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	421.26mil x 122.047mil
<b>Number of Pads</b>	4
<b>Number of Primitives</b>	14

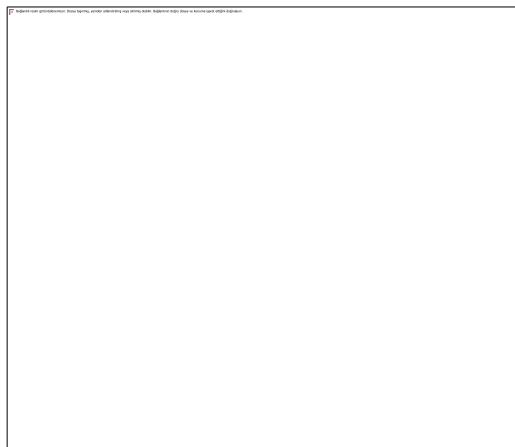


<b>Library Reference</b>	<b>HEADER 2.54mm 1x5</b>
<b>Description</b>	HEADER 2.54mm 1x5
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	J?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	5
<b>Number of Models</b>	1

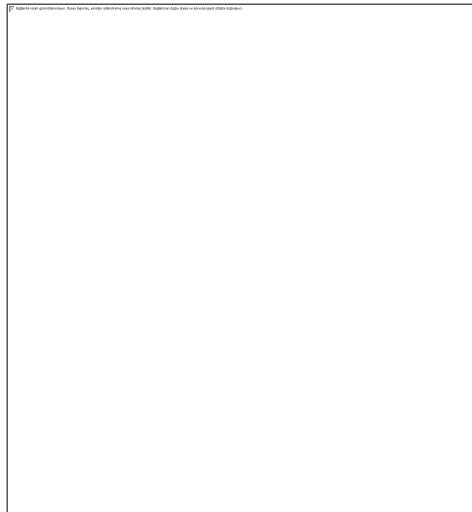
## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models



<b>Model Name</b>	<b>HEADER 2.54mm 1x5</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	519.685mil x 122.047mil
<b>Number of Pads</b>	5
<b>Number of Primitives</b>	15

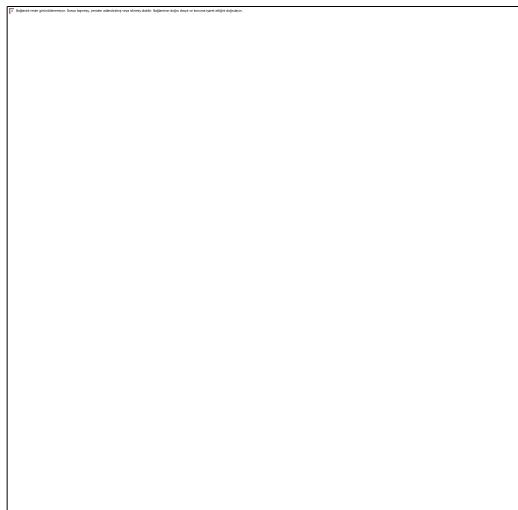


<b>Library Reference</b>	<b>HEADER 2.54mm 1x5 H SMD</b>
<b>Description</b>	HEADER 2.54mm 1x5 - .100 C.L. HORIZONTAL SMT SOCKET
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	J?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	5
<b>Number of Models</b>	1

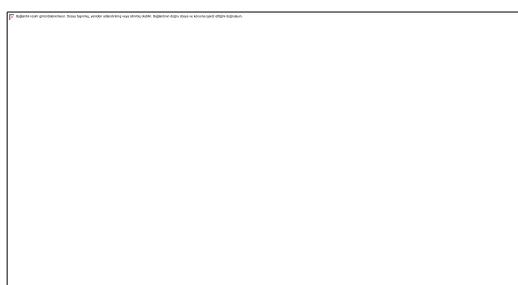
## Parameters

Name	Value	Type	Visible
Comment	SMH-105-02-L-S	STRING	True

## Models



<b>Model Name</b>	<b>HEADER 2.54mm 1x5 - H SMD</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	535.433mil x 517.716mil
<b>Number of Pads</b>	5
<b>Number of Primitives</b>	26



<b>Library Reference</b>	<b>HEADER 2.54mm 2x3</b>
<b>Description</b>	HEADER 2.54mm 2x3
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	J?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	6
<b>Number of Models</b>	1

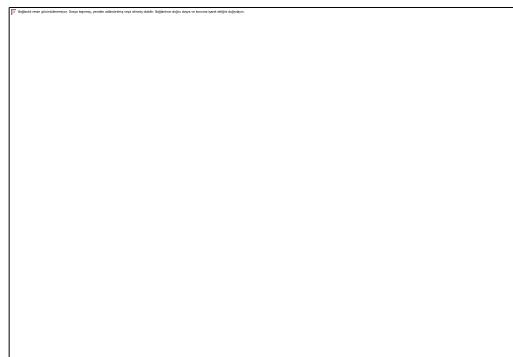
## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models



<b>Model Name</b>	<b>HEADER 2.54mm 2x3</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	319.842mil x 222.992mil
<b>Number of Pads</b>	6
<b>Number of Primitives</b>	21

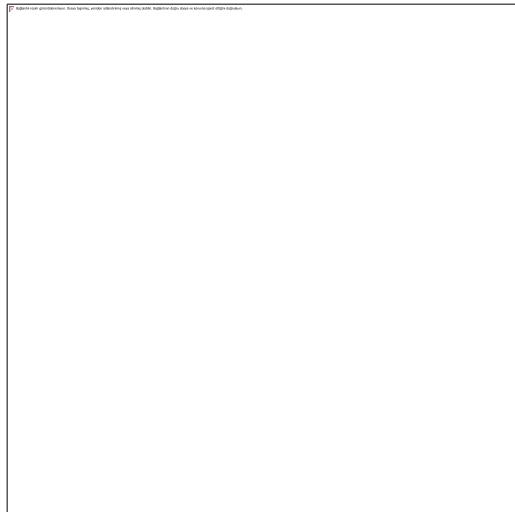


<b>Library Reference</b>	<b>INA128</b>
<b>Description</b>	
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	U?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	8
<b>Number of Models</b>	1

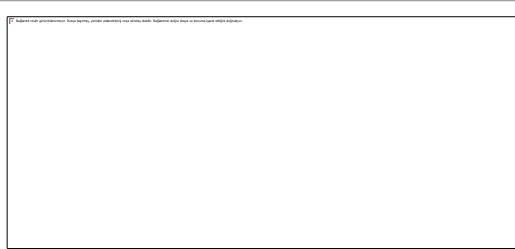
## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models



<b>Model Name</b>	SOIC8
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	280.625mil x 216.874mil
<b>Number of Pads</b>	8
<b>Number of Primitives</b>	38



<b>Library Reference</b>	IND 47uH
<b>Description</b>	FIXED IND 47UH 390MA 2.3 OHM 1212 SMD
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	*
<b>Number of Parameters</b>	33
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

## Parameters

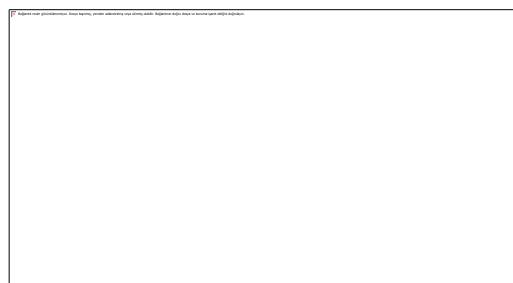
Name	Value
Supplier 1	Digi-Key
Manufacturer	Wurth Electronics
Manufacturer Part Number	78438335470
RoHS	Yes
Category	Fixed Inductors
Pricing 1	1=2.11000, 50=1.97000, 250=1.80300, 500=1.67200 (USD)
Mount	Surface Mount
Case/Package	1212
Core Material	Ferrite
Case Code (Metric)	3030
Case Code (Imperial)	1212
Min Operating Temperature	-40C
Max Operating Temperature	125C
Packaging	Tape and Reel
Resistor Type	Wirewound

Current Rating	390mA
Saturation Current	1.18A
Shielding	Shielded
DC Resistance (DCR)	2.3R
Self Resonant Frequency	8MHz
Test Frequency	100kHz
Tolerance	30%
Length	0.118inch
Width	0.118inch
Height - Seated (Max)	0.059inch
Ratings	AEC-Q200
RoHS Compliant	Yes
ComponentLink1URL	<a href="https://media.digikey.com/pdf/Data%20Sheets/Wurth%20Electronics%20PDFs/Q+_Product%20Sheet.pdf?file=Digi-Key">https://media.digikey.com/pdf/Data%20Sheets/Wurth%20Electronics%20PDFs/Q+_Product%20Sheet.pdf?file=Digi-Key</a>
ComponentLink1Description	<a href="https://media.digikey.com/pdf/Data%20Sheets/Wurth%20Electronics%20PDFs/Q+_Product%20Sheet.pdf?file=Digi-Key">https://media.digikey.com/pdf/Data%20Sheets/Wurth%20Electronics%20PDFs/Q+_Product%20Sheet.pdf?file=Digi-Key</a>
Supplier Part Number 1	732-6947-1-ND
Designed By	Sleyman ARIKAYA
Inductance	47uH
Comment	78438335470

## Models



<b>Model Name</b>	<b>IND_1212</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	156.202mil x 145.669mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	22



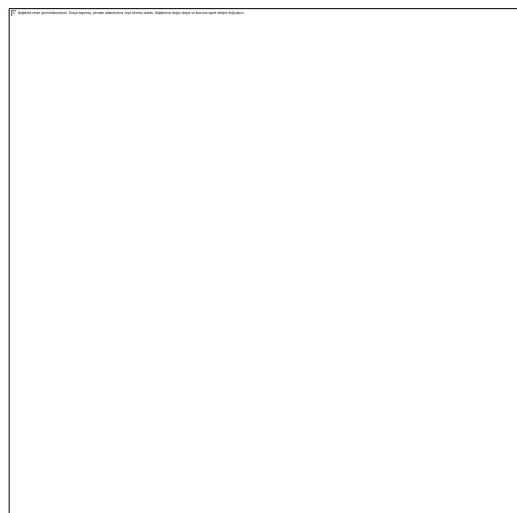
<b>Library Reference</b>	<b>KLEMENS 1x2 - 3.5mm</b>
<b>Description</b>	KLEMENS 1x2 - 3.5mm
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	J?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	2

**Number of Models** 1

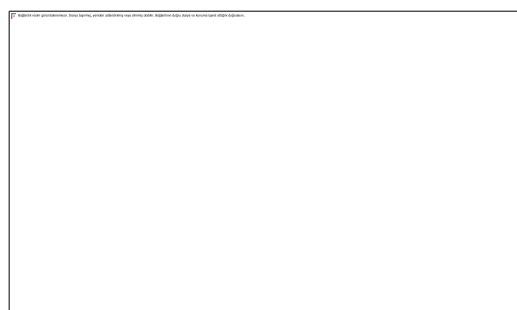
## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models



**Model Name** KLEMENS 1x2 - 3.5mm  
**Model Type** Footprint  
**Description**  
**Height** 0mil  
**Dimension** 357.451mil x 310.669mil  
**Number of Pads** 2  
**Number of Primitives** 22



**Library Reference** L7805-DPAK  
**Description** L7805 5V REGULATOR SMD PACKET  
**Kind** Standard  
**Aliases** Component has no aliases  
**Designator** U?  
**Number of Parameters**  
**Number of Pins** 3  
**Number of Models** 1

## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models

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<b>Model Name</b>	<b>DPAK228P972X240-3N</b>
<b>Model Type</b>	Footprint
<b>Description</b>	D-PAK, 3-Pads, Body 6.20x6.66mm (max), IPC Medium Density
<b>Height</b>	94.488mil
<b>Dimension</b>	619.806mil x 283.465mil
<b>Number of Pads</b>	3
<b>Number of Primitives</b>	15

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<b>Library Reference</b>	<b>LD108633-DPAK</b>
<b>Description</b>	LD108633 3.3V REGULATOR DPAK
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	U?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	3
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models

--

<b>Model Name</b>	<b>DPAK228P972X240-3N</b>
<b>Model Type</b>	Footprint
<b>Description</b>	D-PAK, 3-Pads, Body 6.20x6.66mm (max), IPC Medium Density
<b>Height</b>	94.488mil
<b>Dimension</b>	619.806mil x 283.465mil
<b>Number of Pads</b>	3
<b>Number of Primitives</b>	15

<b>Library Reference</b>	LED GREEN 0805
<b>Description</b>	Green 569nm LED Indication - Discrete 2.1V 0805 (2012 Metric)
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	D?
<b>Number of Parameters</b>	56
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Designed By	Sleyman ARIKAYA	STRING	False
Supplier 1	Digi-Key	STRING	False
Manufacturer	Vishay Lite-On	STRING	False
Manufacturer Part Number	LTST-C171GKT	STRING	False
RoHS	Yes	STRING	False
Category	LEDs	STRING	False
Stock 1	271690	STRING	False
Pricing 1	1=0.26000, 10=0.14100, 100=0.06560, 500=0.06060, 1000=0.04747 (USD)	STRING	False
Mount	Surface Mount	STRING	False
Case/Package	0805	STRING	False
Number of Pins	2	STRING	False
Color	Green	STRING	False
Case Code (Metric)	2012	STRING	False
Case Code (Imperial)	0805	STRING	False
Lens Color	Colorless	STRING	False
Min Operating Temperature	-55C	STRING	False
Max Operating Temperature	85C	STRING	False
Package Quantity	1	STRING	False
Viewing Angle	130	STRING	False
Lens Style	Diffused,Colorless,Rectangular,Clear	STRING	False
Packaging	Tape and Reel	STRING	False
Luminous Intensity	12mcd	STRING	False
Forward Current	30mA	STRING	False
Forward Voltage	2.1V	STRING	False
Illumination Color	Green	STRING	False
Power Rating	100mW	STRING	False
Dominant Wavelength	569nm	STRING	False
Test Current	10mA	STRING	False

Lens Transparency	Clear	STRING	False
Number of Elements	1	STRING	False
Power Dissipation	100mW	STRING	False
Wavelength	585nm	STRING	False
Number of LEDs	1	STRING	False
Reverse Voltage	5V	STRING	False
Series	CHIPLED 0805	STRING	False
Length	2mm	STRING	False
Width	1.25mm	STRING	False
Height	0.8mm	STRING	False
Depth	1.25mm	STRING	False
Radiation Hardening	No	STRING	False
Lead Free	Lead Free	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/2110/lst-c171gkt-2110000.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2110/lst-c171gkt-2110000.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/2110/lst-c171gkt-2110000.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2110/lst-c171gkt-2110000.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/11773/0900766b80dc0296-11773991.pdf?src=supplier=RSComponents">https://datasheet.ciiva.com/11773/0900766b80dc0296-11773991.pdf?src=supplier=RSComponents</a>	STRING	False
ComponentLink2Description	<a href="https://datasheet.ciiva.com/11773/0900766b80dc0296-11773991.pdf?src=supplier=RSComponents">https://datasheet.ciiva.com/11773/0900766b80dc0296-11773991.pdf?src=supplier=RSComponents</a>	STRING	False
ComponentLink3URL	<a href="https://datasheet.ciiva.com/12400/lite-on-lst-c171gkt-190133-12400647.pdf?src=supplier=Mouser">https://datasheet.ciiva.com/12400/lite-on-lst-c171gkt-190133-12400647.pdf?src=supplier=Mouser</a>	STRING	False
ComponentLink3Description	<a href="https://datasheet.ciiva.com/12400/lite-on-lst-c171gkt-190133-12400647.pdf?src=supplier=Mouser">https://datasheet.ciiva.com/12400/lite-on-lst-c171gkt-190133-12400647.pdf?src=supplier=Mouser</a>	STRING	False
ComponentLink4URL	<a href="https://datasheet.ciiva.com/2110/lst-c171gkt-2110001.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2110/lst-c171gkt-2110001.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink4Description	<a href="https://datasheet.ciiva.com/2110/lst-c171gkt-2110001.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2110/lst-c171gkt-2110001.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink5URL	<a href="https://datasheet.ciiva.com/2110/lst-c171gkt-2110002.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2110/lst-c171gkt-2110002.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink5Description	<a href="https://datasheet.ciiva.com/2110/lst-c171gkt-2110002.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2110/lst-c171gkt-2110002.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink6URL	<a href="https://datasheet.ciiva.com/16396/lst-c171gkt-16396549.pdf?src=supplier=Future+Electronics">https://datasheet.ciiva.com/16396/lst-c171gkt-16396549.pdf?src=supplier=Future+Electronics</a>	STRING	False
ComponentLink6Description	<a href="https://datasheet.ciiva.com/16396/lst-c171gkt-16396549.pdf?src=supplier=Future+Electronics">https://datasheet.ciiva.com/16396/lst-c171gkt-16396549.pdf?src=supplier=Future+Electronics</a>	STRING	False
Supplier Part Number 1	160-1423-6-ND	STRING	False
Comment	LTST-C171GKT	STRING	True

## Models

	<b>Model Name</b>	LED_GREEN_0805
	<b>Model Type</b>	Footprint
	<b>Description</b>	
	<b>Height</b>	0mil
	<b>Dimension</b>	204.66mil x 62.992mil
	<b>Number of Pads</b>	2
	<b>Number of Primitives</b>	20

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	<b>Library Reference</b>	LED RED 0805
	<b>Description</b>	LED Uni-Color Hyper Red 660nm 2-Pin Chip 0805(2012Metric) T/R
	<b>Kind</b>	Standard
	<b>Aliases</b>	Component has no aliases
	<b>Designator</b>	D?
	<b>Number of Parameters</b>	50
	<b>Number of Pins</b>	2
	<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Vi
Supplier 1	Digi-Key	STRING	Fa
Manufacturer	Osram Opto	STRING	Fa
Manufacturer Part Number	LH R974-LP-1	STRING	Fa
RoHS	Yes	STRING	Fa
Category	LEDs	STRING	Fa
Mount	Surface Mount	STRING	Fa
Case/Package	LED_RED_0805	STRING	Fa
Number of Pins	2	STRING	Fa
Color	Red	STRING	Fa
Lens Color	White	STRING	Fa
Case Code (Imperial)	0805	STRING	Fa
Case Code (Metric)	2012	STRING	Fa
Min Operating Temperature	-30C	STRING	Fa
Max Operating Temperature	85C	STRING	Fa
Forward Current	30mA	STRING	Fa
Forward Voltage	1.8V	STRING	Fa
Lens Style	Diffused,Flat,Colorless	STRING	Fa
Luminous Intensity	71mcd	STRING	Fa
Packaging	Tape and Reel	STRING	Fa

Viewing Angle	160	STRING	F
Dominant Wavelength	645nm	STRING	F
Number of Elements	1	STRING	F
Test Current	20mA	STRING	F
Reverse Voltage	5V	STRING	F
Illumination Color	Red	STRING	F
Package Quantity	1	STRING	F
Series	CHipLED	STRING	F
Lens Transparency	Diffused	STRING	F
Luminous Flux	0.17lm	STRING	F
Length	2.1mm	STRING	F
Width	1.25mm	STRING	F
Depth	1.35mm	STRING	F
Lens Size	1.25mm	STRING	F
Radiation Hardening	No	STRING	F
RoHS Compliant	Yes	STRING	F
ComponentLink1URL	<a href="http://www.jameco.com/Jameco/Products/ProdDS/2085634.pdf?src-supplier=Jameco">http://www.jameco.com/Jameco/Products/ProdDS/2085634.pdf?src-supplier=Jameco</a>	STRING	F
ComponentLink1Description	<a href="http://www.jameco.com/Jameco/Products/ProdDS/2085634.pdf?src-supplier=Jameco">http://www.jameco.com/Jameco/Products/ProdDS/2085634.pdf?src-supplier=Jameco</a>	STRING	F
ComponentLink2URL	<a href="https://dammedia.osram.info/media/resource/hires/osram-dam-2493888/LH%20R974.pdf?src-supplier=Digi-Key">https://dammedia.osram.info/media/resource/hires/osram-dam-2493888/LH%20R974.pdf?src-supplier=Digi-Key</a>	STRING	F
ComponentLink2Description	<a href="https://dammedia.osram.info/media/resource/hires/osram-dam-2493888/LH%20R974.pdf?src-supplier=Digi-Key">https://dammedia.osram.info/media/resource/hires/osram-dam-2493888/LH%20R974.pdf?src-supplier=Digi-Key</a>	STRING	F
ComponentLink3URL	<a href="http://www.mouser.com/ds/2/311/LH%20R974%20-%20CHIPLED%200805-318659.pdf?src-supplier=Mouser">http://www.mouser.com/ds/2/311/LH%20R974%20-%20CHIPLED%200805-318659.pdf?src-supplier=Mouser</a>	STRING	F
ComponentLink3Description	<a href="http://www.mouser.com/ds/2/311/LH%20R974%20-%20CHIPLED%200805-318659.pdf?src-supplier=Mouser">http://www.mouser.com/ds/2/311/LH%20R974%20-%20CHIPLED%200805-318659.pdf?src-supplier=Mouser</a>	STRING	F
ComponentLink4URL	<a href="http://components.arrow.com/part/dataview/41971690S1077610N9133?src-supplier=Arrow+Electronics">http://components.arrow.com/part/dataview/41971690S1077610N9133?src-supplier=Arrow+Electronics</a>	STRING	F
ComponentLink4Description	<a href="http://components.arrow.com/part/dataview/41971690S1077610N9133?src-supplier=Arrow+Electronics">http://components.arrow.com/part/dataview/41971690S1077610N9133?src-supplier=Arrow+Electronics</a>	STRING	F
ComponentLink5URL	<a href="https://www.verical.com/server-webapp/html/getDatasheet?partID=258950&amp;src-supplier=Verical">https://www.verical.com/server-webapp/html/getDatasheet?partID=258950&amp;src-supplier=Verical</a>	STRING	F
ComponentLink5Description	<a href="https://www.verical.com/server-webapp/html/getDatasheet?partID=258950&amp;src-supplier=Verical">https://www.verical.com/server-webapp/html/getDatasheet?partID=258950&amp;src-supplier=Verical</a>	STRING	F
ComponentLink6URL	<a href="http://components.arrow.com/part/dataview/41971690S6190115N2128?src-supplier=Arrow+Electronics">http://components.arrow.com/part/dataview/41971690S6190115N2128?src-supplier=Arrow+Electronics</a>	STRING	F
ComponentLink6Description	<a href="http://components.arrow.com/part/dataview/41971690S6190115N2128?src-supplier=Arrow+Electronics">http://components.arrow.com/part/dataview/41971690S6190115N2128?src-supplier=Arrow+Electronics</a>	STRING	F
Supplier Part Number 1	475-1415-1-ND	STRING	F
Designed By	Sleyman ARIKAYA	STRING	F
Comment	LH R974-LP-1-0-20-R18	STRING	T

## Models

	<b>Model Name</b>	LED_RED_0805
	<b>Model Type</b>	Footprint
	<b>Description</b>	
	<b>Height</b>	0mil
	<b>Dimension</b>	204.66mil x 62.992mil
	<b>Number of Pads</b>	2
	<b>Number of Primitives</b>	20
	<b>Library Reference</b>	LHI 878/3902
	<b>Description</b>	SENSOR PYRO DETECTOR DUAL MOTION - Sensor PIR (Passive Infrared) TO-205AA, TO-5-3 Metal Can
	<b>Kind</b>	Standard
	<b>Aliases</b>	Component has no aliases
	<b>Designator</b>	S?
	<b>Number of Parameters</b>	10
	<b>Number of Pins</b>	3
	<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Designed By	Sleyman ARIKAYA	STRING	False
Max Supply Voltage	12V	STRING	False
Min Supply Voltage	2V	STRING	False
Supplier 1	Digi-Key	STRING	False
Manufacturer	Excelitas	STRING	False
Manufacturer Part Number	LHI878/3902	STRING	False
RoHS	No	STRING	False
Supplier Part Number 1	1601-LHI878/3902-ND	STRING	False
Case/Package	LHI 878/3902	STRING	False
Comment	LHI 878/3902	STRING	False

## Models

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<b>Model Name</b>	LHI 878/3902
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	507.715mil x 389.764mil
<b>Number of Pads</b>	3
<b>Number of Primitives</b>	22

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<b>Library Reference</b>	LM78XX
<b>Description</b>	7805 SMD D2pak Reglat□□ L7805CD2T
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	U?
<b>Number of Parameters</b>	3
<b>Number of Pins</b>	3
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
ComponentLink1Description	New link	STRING	False
ComponentLink1URL	<a href="https://www.direnc.net/7805-d2pak--regulator">https://www.direnc.net/7805-d2pak--regulator</a>	STRING	False
Comment	*	STRING	True

## Models

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<b>Model Name</b>	D2PAK-3 (TO263-3)
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	619.806mil x 474.874mil
<b>Number of Pads</b>	3
<b>Number of Primitives</b>	10

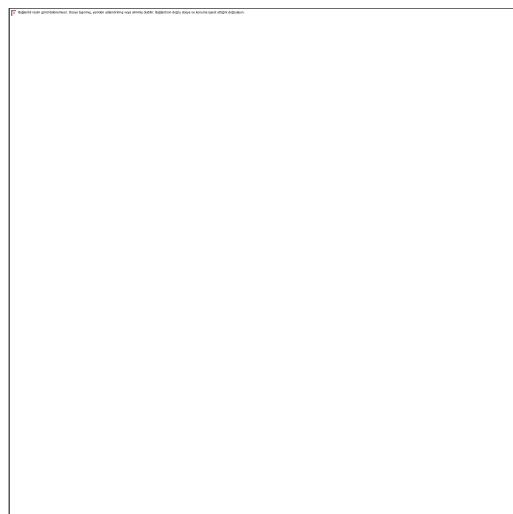
<b>Library Reference</b>	LM2675MX-12/NOPB
<b>Description</b>	12VDC/5VDC Converter SIMPLE SWITCHER 6.5V to 40V, 1A Low Component Count Step-Down Regulator 8-SOIC -40 to 125
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	U?
<b>Number of Parameters</b>	37
<b>Number of Pins</b>	8
<b>Number of Models</b>	1

## Parameters

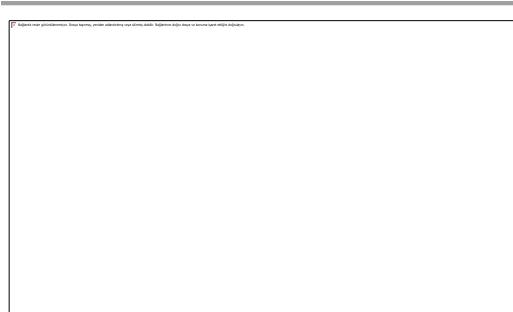
Name	Value	Type	Visible
Designed By	Sleyman ARIKAYA	STRING	False
Supplier 1	Digi-Key	STRING	False
Manufacturer	TI National Semiconductor	STRING	False
Manufacturer Part Number	LM2675MX-12/NOPB	STRING	False
RoHS	Yes	STRING	False
Category	Voltage Regulators - Switching	STRING	False
Pricing 1	1=4.94000, 10=4.44000, 25=4.19760, 100=3.63790, 250=3.45136, 500=3.09690, 1000=3.08000 (USD)	STRING	False
Mount	Surface Mount	STRING	False
Case/Package	SOIC N	STRING	False
Number of Pins	8	STRING	False
Contact Plating	Tin	STRING	False
Min Operating Temperature	-40C	STRING	False
Max Operating Temperature	125C	STRING	False
Number of Outputs	1	STRING	False
Output Voltage	12V	STRING	False
Output Current	1A	STRING	False
Efficiency	94%	STRING	False
Packaging	Tape and Reel	STRING	False
Min Input Voltage	8V	STRING	False
Max Output Current	1A	STRING	False
Max Input Voltage	40V	STRING	False
Package Quantity	2500	STRING	False
Switching Frequency	260kHz	STRING	False
Synchronous Rectifier	No	STRING	False
Quiescent Current	2.5mA	STRING	False
Operating Supply Voltage	40V	STRING	False

Output Type	Fixed	STRING	False
Series	LM2675	STRING	False
Radiation Hardening	No	STRING	False
Lead Free	Lead Free	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/41457/001013881-da-01-en-ic-reg-buck-lm2675mx-12-nopb-soic-8-tid-41457896.pdf?src=supplier=Conrad">https://datasheet.ciiva.com/41457/001013881-da-01-en-ic-reg-buck-lm2675mx-12-nopb-soic-8-tid-41457896.pdf?src=supplier=Conrad</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/41457/001013881-da-01-en-ic-reg-buck-lm2675mx-12-nopb-soic-8-tid-41457896.pdf?src=supplier=Conrad">https://datasheet.ciiva.com/41457/001013881-da-01-en-ic-reg-buck-lm2675mx-12-nopb-soic-8-tid-41457896.pdf?src=supplier=Conrad</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/3220/lm2675-3220840.pdf?src=supplier=Avnet">https://datasheet.ciiva.com/3220/lm2675-3220840.pdf?src=supplier=Avnet</a>	STRING	False
ComponentLink2Description	<a href="https://datasheet.ciiva.com/3220/lm2675-3220840.pdf?src=supplier=Avnet">https://datasheet.ciiva.com/3220/lm2675-3220840.pdf?src=supplier=Avnet</a>	STRING	False
Supplier Part Number 1	296-35410-1-ND	STRING	False
Comment	LM2675MX-12/NOPB	STRING	False

## Models



<b>Model Name</b>	<b>SOIC8</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	280.625mil x 216.874mil
<b>Number of Pads</b>	8
<b>Number of Primitives</b>	38



<b>Library Reference</b>	<b>M41T00M6F</b>
<b>Description</b>	Real-time Clocks Clock/Calendar I2C, 2-Wire Serial 70uA @ 2V ~ 5.5V SOIC-8_150mil RoHS
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	U?
<b>Number of Parameters</b>	42
<b>Number of Pins</b>	8
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Designed By	Sleyman ARIKAYA	STRING	False
Supplier 1	Digi-Key	STRING	False
Manufacturer	STMicroelectronics	STRING	False
Manufacturer Part Number	M41T00M6F	STRING	False
RoHS	Yes	STRING	False
Category	Memory	STRING	False
Pricing 1	1=3.96000, 10=3.55600, 25=3.36160, 100=2.91340, 250=2.76404, 500=2.48016, 1000=2.46662 (USD)	STRING	False
Mount	Surface Mount	STRING	False
Case/Package	SOIC	STRING	False
Number of Pins	8	STRING	False
Weight	0.019048oz	STRING	False
Min Operating Temperature	-40C	STRING	False
Max Operating Temperature	85C	STRING	False
Max Supply Voltage	5.5V	STRING	False
Min Supply Voltage	2V	STRING	False
Packaging	Tape and Reel	STRING	False
Non-volatile Memory Size	8B	STRING	False
Package Quantity	2500	STRING	False
Interface	I2C,Serial,2-Wire	STRING	False
Logic Function	Clock	STRING	False
Memory Size	8B	STRING	False
RAM Size	8B	STRING	False
Time Format	HH:MM:SS	STRING	False
Date Format	YY-MM-DD-dd	STRING	False
Series	M41T00	STRING	False
Supply Voltage-Nom	5.5V	STRING	False
Length	5mm	STRING	False
Width	4mm	STRING	False
Height	1.5mm	STRING	False
Radiation Hardening	No	STRING	False
REACH SVHC	No SVHC	STRING	False
Lead Free	Lead Free	STRING	False
Temperature Grade	INDUSTRIAL	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/16213/cd00001542-16213654.pdf?src-supplier=Future+Electronics">https://datasheet.ciiva.com/16213/cd00001542-16213654.pdf?src-supplier=Future+Electronics</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/16213/cd00001542-16213654.pdf?src-supplier=Future+Electronics">https://datasheet.ciiva.com/16213/cd00001542-16213654.pdf?src-supplier=Future+Electronics</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/7630/1837112-7630077.pdf?src-supplier=Element14">https://datasheet.ciiva.com/7630/1837112-7630077.pdf?src-supplier=Element14</a>	STRING	False

ComponentLink2Description	<a href="https://datasheet.ciiva.com/7630/1837112-7630077.pdf?src=supplier=Element14">https://datasheet.ciiva.com/7630/1837112-7630077.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink3URL	<a href="https://datasheet.ciiva.com/41459/001185345-da-01-en-ic-rtc-srl-512kbit-m41t00m6f-soic-8-stm-41459818.pdf?src=supplier=Conrad">https://datasheet.ciiva.com/41459/001185345-da-01-en-ic-rtc-srl-512kbit-m41t00m6f-soic-8-stm-41459818.pdf?src=supplier=Conrad</a>	STRING	False
ComponentLink3Description	<a href="https://datasheet.ciiva.com/41459/001185345-da-01-en-ic-rtc-srl-512kbit-m41t00m6f-soic-8-stm-41459818.pdf?src=supplier=Conrad">https://datasheet.ciiva.com/41459/001185345-da-01-en-ic-rtc-srl-512kbit-m41t00m6f-soic-8-stm-41459818.pdf?src=supplier=Conrad</a>	STRING	False
Supplier Part Number 1	497-4697-1-ND	STRING	False
Comment	M41T00M6F	STRING	False

## Models



<b>Model Name</b>	<b>SOIC8</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	280.625mil x 216.874mil
<b>Number of Pads</b>	8
<b>Number of Primitives</b>	38



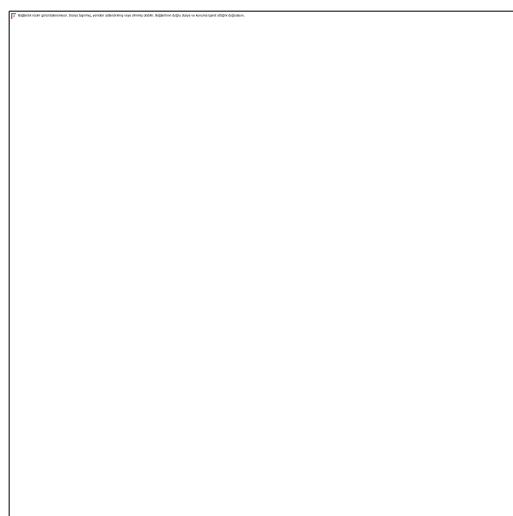
<b>Library Reference</b>	<b>MAX6662MSA+</b>
<b>Description</b>	Temp Sensor Digital Serial (3-Wire, SPI) 8-Pin SOIC N Tube
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	U?
<b>Number of Parameters</b>	38
<b>Number of Pins</b>	8
<b>Number of Models</b>	1

## Parameters

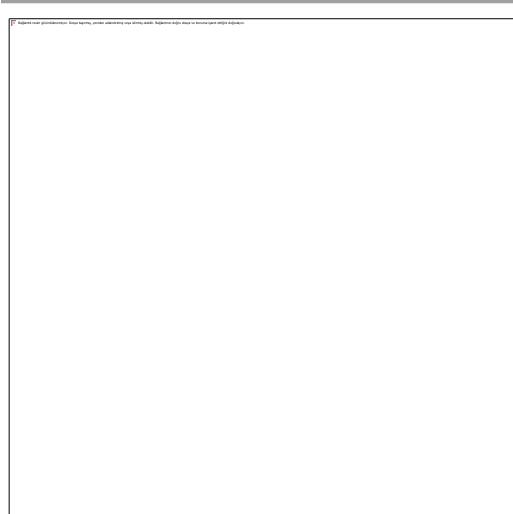
Name	Value	Type	Visible
Supplier 1	Digi-Key	STRING	False
Manufacturer	Maxim	STRING	False
Manufacturer Part Number	MAX6662MSA+	STRING	False
RoHS	Yes	STRING	False

Category	Temperature and Humidity Sensors	STRING	False
Case/Package	SOIC8	STRING	False
Number of Pins	8	STRING	False
Min Operating Temperature	-55C	STRING	False
Max Operating Temperature	150C	STRING	False
Interface	SPI	STRING	False
Output Type	Digital,SPI	STRING	False
Packaging	Rail/Tube	STRING	False
Package Quantity	100	STRING	False
Max Supply Voltage (DC)	5.5V	STRING	False
Min Supply Voltage (DC)	3V	STRING	False
Resolution	12b	STRING	False
Series	MAX6662	STRING	False
Max Supply Voltage	5.5V	STRING	False
Min Supply Voltage	3V	STRING	False
Max Power Dissipation	471mW	STRING	False
Operating Supply Current	600uA	STRING	False
Number of Bits	12	STRING	False
Length	5mm	STRING	False
Width	4mm	STRING	False
Height	1.5mm	STRING	False
Radiation Hardening	No	STRING	False
RoHS Compliant	Yes	STRING	False
Lead Free	Lead Free	STRING	False
REACH SVHC	Unknown	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/5299/max6662-89142-5299456.pdf?src=supplier=Mouser">https://datasheet.ciiva.com/5299/max6662-89142-5299456.pdf?src=supplier=Mouser</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/5299/max6662-89142-5299456.pdf?src=supplier=Mouser">https://datasheet.ciiva.com/5299/max6662-89142-5299456.pdf?src=supplier=Mouser</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/3277/max6662-3277979.pdf?src=supplier=Avnet">https://datasheet.ciiva.com/3277/max6662-3277979.pdf?src=supplier=Avnet</a>	STRING	False
ComponentLink2Description	<a href="https://datasheet.ciiva.com/3277/max6662-3277979.pdf?src=supplier=Avnet">https://datasheet.ciiva.com/3277/max6662-3277979.pdf?src=supplier=Avnet</a>	STRING	False
ComponentLink3URL	<a href="https://datasheet.ciiva.com/2003/max6662-2003390.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2003/max6662-2003390.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink3Description	<a href="https://datasheet.ciiva.com/2003/max6662-2003390.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2003/max6662-2003390.pdf?src=supplier=Digi-Key</a>	STRING	False
Supplier Part Number 1	MAX6662MSA+-ND	STRING	False
Designed By	Sleyman ARIKAYA	STRING	False
Comment	MAX6662MSA+	STRING	True

## Models



<b>Model Name</b>	SOIC8
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	280.625mil x 216.874mil
<b>Number of Pads</b>	8
<b>Number of Primitives</b>	38



<b>Library Reference</b>	<b>Micro B USB Connector SMD</b>
<b>Description</b>	CONN USB MICRO B RECPT SMT R/A
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	USB?
<b>Number of Parameters</b>	43
<b>Number of Pins</b>	6
<b>Number of Models</b>	1

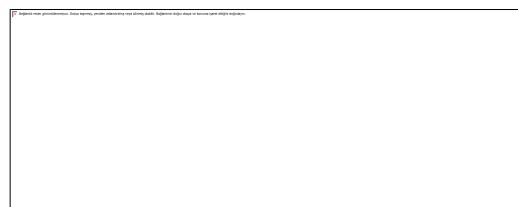
## Parameters

Name	Value
Designed By	Sleyman ARIKAYA
Manufacturer	Amphenol ICC / FCI
Manufacturer Part Number	10118192-0001LF
RoHS	No
Category	USB Connectors
Stock 1	52373
Pricing 1	1=0.480000, 10=0.420000, 25=0.384400, 50=0.361600, 100=0.346600, 250=0.316400, 500=0.301360 (USD)
ComponentLink1URL	<a href="http://uk.rs-online.com/webdocs/1450/0900766b814507ee.pdf?src-supplier=RSComponents">http://uk.rs-online.com/webdocs/1450/0900766b814507ee.pdf?src-supplier=RSComponents</a>
ComponentLink1Description	<a href="http://uk.rs-online.com/webdocs/1450/0900766b814507ee.pdf?src-supplier=RSComponents">http://uk.rs-online.com/webdocs/1450/0900766b814507ee.pdf?src-supplier=RSComponents</a>
ComponentLink2URL	<a href="http://www.farnell.com/datasheets/2366786.pdf?src-supplier=Farnell">http://www.farnell.com/datasheets/2366786.pdf?src-supplier=Farnell</a>
ComponentLink2Description	<a href="http://www.farnell.com/datasheets/2366786.pdf?src-supplier=Farnell">http://www.farnell.com/datasheets/2366786.pdf?src-supplier=Farnell</a>

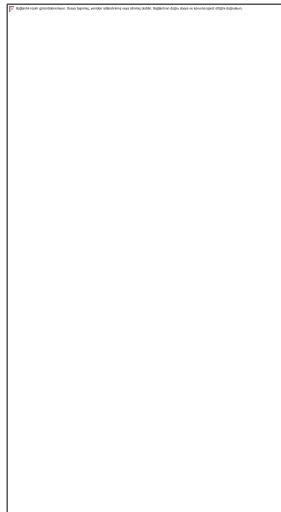
ComponentLink3URL	<a href="http://www.amphenol-icc.com/media/wysiwyg/files/drawing/10118192.pdf?src-supplier=Digi-Key">http://www.amphenol-icc.com/media/wysiwyg/files/drawing/10118192.pdf?src-supplier=Digi-Key</a>
ComponentLink3Description	<a href="http://www.amphenol-icc.com/media/wysiwyg/files/drawing/10118192.pdf?src-supplier=Digi-Key">http://www.amphenol-icc.com/media/wysiwyg/files/drawing/10118192.pdf?src-supplier=Digi-Key</a>
ComponentLink4URL	<a href="https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/inputoutput/io_usb_micro.pdf?src-supplier=Arrow+Electronics">https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/inputoutput/io_usb_micro.pdf?src-supplier=Arrow+Electronics</a>
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ComponentLink5URL	<a href="https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/inputoutput/io_usb_micro.pdf?src-supplier=Avnet">https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/inputoutput/io_usb_micro.pdf?src-supplier=Avnet</a>
ComponentLink5Description	<a href="https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/inputoutput/io_usb_micro.pdf?src-supplier=Avnet">https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/inputoutput/io_usb_micro.pdf?src-supplier=Avnet</a>
ComponentLink6URL	<a href="http://www.farnell.com/cad/1935767.pdf?src-supplier=Element14">http://www.farnell.com/cad/1935767.pdf?src-supplier=Element14</a>
ComponentLink6Description	<a href="http://www.farnell.com/cad/1935767.pdf?src-supplier=Element14">http://www.farnell.com/cad/1935767.pdf?src-supplier=Element14</a>
ComponentLink7URL	<a href="https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/inputoutput/io_usb_micro.pdf?src-supplier&gt;Allied+Electronics">https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/inputoutput/io_usb_micro.pdf?src-supplier&gt;Allied+Electronics</a>
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ComponentLink9URL	<a href="http://www.farnell.com/datasheets/2366786.pdf?src-supplier&gt;Newark">http://www.farnell.com/datasheets/2366786.pdf?src-supplier&gt;Newark</a>
ComponentLink9Description	<a href="http://www.farnell.com/datasheets/2366786.pdf?src-supplier&gt;Newark">http://www.farnell.com/datasheets/2366786.pdf?src-supplier&gt;Newark</a>
ComponentLink10URL	<a href="https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/inputoutput/io_usb_micro.pdf?src-supplier=Verical">https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/inputoutput/io_usb_micro.pdf?src-supplier=Verical</a>
ComponentLink10Description	<a href="https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/inputoutput/io_usb_micro.pdf?src-supplier=Verical">https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/inputoutput/io_usb_micro.pdf?src-supplier=Verical</a>
ComponentLink11URL	<a href="https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/inputoutput/io_usb_micro.pdf?src-supplier=Freelance+Electronics">https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/inputoutput/io_usb_micro.pdf?src-supplier=Freelance+Electronics</a>
ComponentLink11Description	<a href="https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/inputoutput/io_usb_micro.pdf?src-supplier=Freelance+Electronics">https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/inputoutput/io_usb_micro.pdf?src-supplier=Freelance+Electronics</a>
ComponentLink12URL	<a href="https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/inputoutput/io_usb_micro.pdf?src-supplier=Heilind+Electronics">https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/inputoutput/io_usb_micro.pdf?src-supplier=Heilind+Electronics</a>
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ComponentLink16Description	<a href="https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/inputoutput/io_usb_micro.pdf?supplier=NAC+Semi">https://cdn.amphenol-icc.com/media/wysiwyg/files/documentation/datasheet/inputoutput/io_usb_micro.pdf?supplier=NAC+Semi</a>
Case/Package	Micro B USB Connector SMD
Supplier 1	Digi-Key
Supplier Part Number 1	609-4613-1-ND
Comment	10118192-0001LF

## Models



<b>Model Name</b>	Micro B USB Connector SMD
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	615.554mil x 260.258mil
<b>Number of Pads</b>	11
<b>Number of Primitives</b>	32

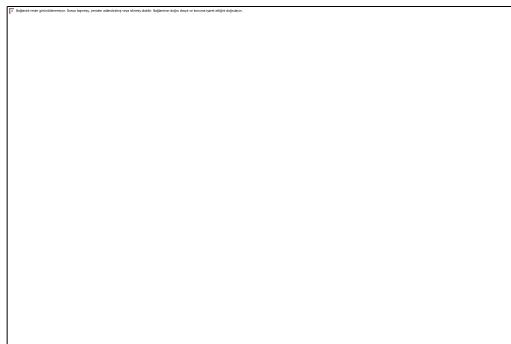


<b>Library Reference</b>	<b>Micro SD Card Holder</b>
<b>Description</b>	MICRO SD CARD HOLDER KLS1-TF-003 Micro SD Card Connector
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	J?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	13
<b>Number of Models</b>	1

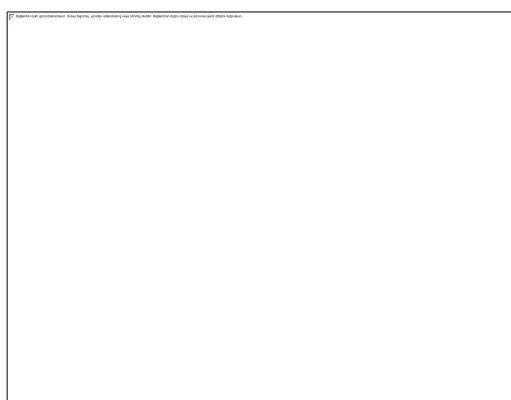
## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models



<b>Model Name</b>	<b>MICRO SD CARD HOLDER</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	673.228mil x 673.228mil
<b>Number of Pads</b>	15
<b>Number of Primitives</b>	32



<b>Library Reference</b>	<b>MMBT3904-7-F</b>
<b>Description</b>	NPN Ic=200mA Vceo=40V hfe=100~300 fT=310MHz P=300mW SOT-23
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	Q?
<b>Number of Parameters</b>	58
<b>Number of Pins</b>	3
<b>Number of Models</b>	1

## Parameters

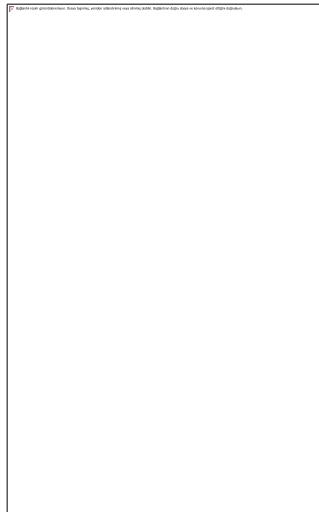
Name	Value	Type	Visible
Supplier 1	Digi-Key	STRING	False
Manufacturer	Diodes Zetex	STRING	False
Manufacturer Part Number	MMBT3904-7-F	STRING	False
RoHS	Yes	STRING	False
Category	BJTs	STRING	False
Pricing 1	1=0.13000, 10=0.11700, 100=0.06370, 500=0.03918, 1000=0.02671 (USD)	STRING	False
Mount	Surface Mount	STRING	False
Case/Package	SOT-23F	STRING	False
Number of Pins	3	STRING	False
Weight	0.000282oz	STRING	False
Contact Plating	Tin,Matte	STRING	False
Min Operating Temperature	-55C	STRING	False
Max Operating Temperature	150C	STRING	False
Max Power Dissipation	300mW	STRING	False
Collector Emitter Voltage (VCEO)	40V	STRING	False
Max Collector Current	200mA	STRING	False
Polarity	NPN	STRING	False
Collector Base Voltage (VCBO)	60V	STRING	False
Packaging	Tape and Reel	STRING	False
Frequency	300MHz	STRING	False
hFE Min	100	STRING	False
Package Quantity	3000	STRING	False
Number of Elements	1	STRING	False
Transition Frequency	300MHz	STRING	False
Collector Emitter Breakdown Voltage	40V	STRING	False
Max Breakdown Voltage	40V	STRING	False
Emitter Base Voltage (VEBO)	6V	STRING	False
Collector Emitter Saturation Voltage	300mV	STRING	False
Continuous Collector Current	200mA	STRING	False
Power Dissipation	350mW	STRING	False
Max Frequency	300MHz	STRING	False
Element Configuration	Single	STRING	False
Gain Bandwidth Product	300MHz	STRING	False
Series	-	STRING	False
Collector-emitter Voltage-Max	300mV	STRING	False
Voltage Rating (DC)	40V	STRING	False

Length	3.05mm	STRING	False
Width	1.4mm	STRING	False
Height	1mm	STRING	False
Radiation Hardening	No	STRING	False
REACH SVHC	No SVHC	STRING	False
Lead Free	Lead Free	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/11201/ds30036-11201778.pdf?src=supplier=Avnet">https://datasheet.ciiva.com/11201/ds30036-11201778.pdf?src=supplier=Avnet</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/11201/ds30036-11201778.pdf?src=supplier=Avnet">https://datasheet.ciiva.com/11201/ds30036-11201778.pdf?src=supplier=Avnet</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/15138/getdatasheetpartid-53265-15138780.pdf?src=supplier=Verical">https://datasheet.ciiva.com/15138/getdatasheetpartid-53265-15138780.pdf?src=supplier=Verical</a>	STRING	False
ComponentLink2Description	<a href="https://datasheet.ciiva.com/15138/getdatasheetpartid-53265-15138780.pdf?src=supplier=Verical">https://datasheet.ciiva.com/15138/getdatasheetpartid-53265-15138780.pdf?src=supplier=Verical</a>	STRING	False
ComponentLink3URL	<a href="https://datasheet.ciiva.com/22711/1915516-22711750.pdf?src=supplier=Element14">https://datasheet.ciiva.com/22711/1915516-22711750.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink3Description	<a href="https://datasheet.ciiva.com/22711/1915516-22711750.pdf?src=supplier=Element14">https://datasheet.ciiva.com/22711/1915516-22711750.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink4URL	<a href="https://datasheet.ciiva.com/11198/ds30036-11198999.pdf?src=supplier=Avnet">https://datasheet.ciiva.com/11198/ds30036-11198999.pdf?src=supplier=Avnet</a>	STRING	False
ComponentLink4Description	<a href="https://datasheet.ciiva.com/11198/ds30036-11198999.pdf?src=supplier=Avnet">https://datasheet.ciiva.com/11198/ds30036-11198999.pdf?src=supplier=Avnet</a>	STRING	False
ComponentLink5URL	<a href="https://datasheet.ciiva.com/6361/ds30036-6361256.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/6361/ds30036-6361256.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink5Description	<a href="https://datasheet.ciiva.com/6361/ds30036-6361256.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/6361/ds30036-6361256.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink6URL	<a href="https://datasheet.ciiva.com/6361/ds30036-6361254.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/6361/ds30036-6361254.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink6Description	<a href="https://datasheet.ciiva.com/6361/ds30036-6361254.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/6361/ds30036-6361254.pdf?src=supplier=Digi-Key</a>	STRING	False
Supplier Part Number 1	MMBT3904-FDICT-ND	STRING	False
Designed By	Sleyman ARIKAYA	STRING	False
Comment	MMBT3904-7-F	STRING	True

## Models



<b>Model Name</b>	<b>SOT-23F</b>
<b>Model Type</b>	Footprint
<b>Description</b>	SOT-23-3
<b>Height</b>	0mil
<b>Dimension</b>	409.322mil x 137.795mil
<b>Number of Pads</b>	3
<b>Number of Primitives</b>	19

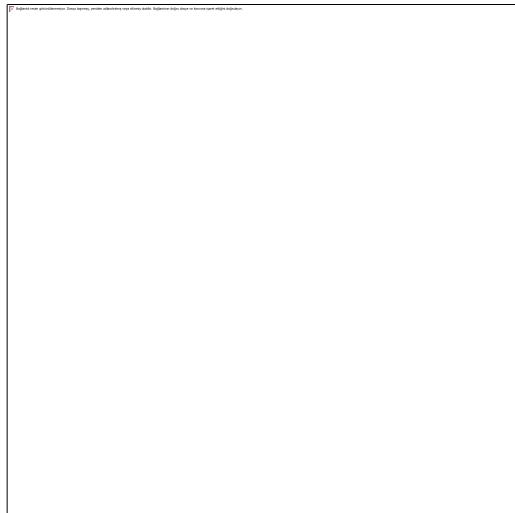


<b>Library Reference</b>	<b>MPU6050</b>
<b>Description</b>	MPU GYRO
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	U?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	24
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models



<b>Model Name</b>	<b>QFN50P400X400X95_HS-25N</b>
<b>Model Type</b>	Footprint
<b>Description</b>	QFN, 24-Leads, Body 4.00x4.00mm, Pitch 0.50mm, Thermal Pad 2.70x2.60mm, IPC Medium Density
<b>Height</b>	37.402mil
<b>Dimension</b>	226.378mil x 208.661mil
<b>Number of Pads</b>	25
<b>Number of Primitives</b>	42

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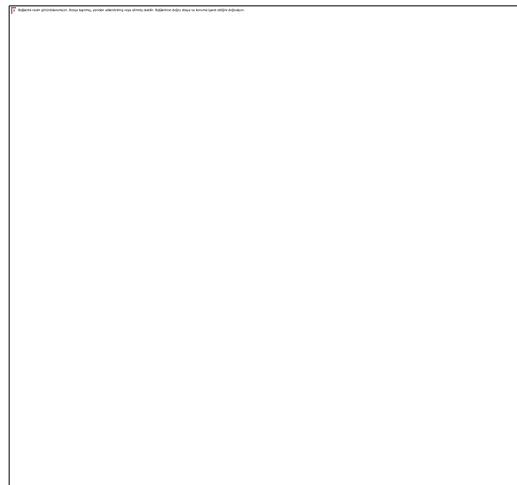
	<b>Library Reference</b>	NCS36000DRG
	<b>Description</b>	PIR Controller - NCS36000 Series Single 5.75V Passive Infrared Detector Controller (PIR) -SOIC-14
	<b>Kind</b>	Standard
	<b>Aliases</b>	Component has no aliases
	<b>Designator</b>	U?
	<b>Number of Parameters</b>	42
	<b>Number of Pins</b>	14
	<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Supplier 1	Digi-Key	STRING	False
Manufacturer	ON Semiconductor	STRING	False
Manufacturer Part Number	NCS36000DRG	STRING	False
RoHS	Yes	STRING	False
Category	Amplifiers - Op Amps, Buffer, Instrumentation	STRING	False
Pricing 1	1=1.31000, 10=1.16700, 25=1.10760, 100=0.90990, 250=0.85052, 500=0.75162, 1000=0.65310 (USD)	STRING	False
Case/Package	SOIC14	STRING	False
Number of Pins	14	STRING	False
Min Operating Temperature	-40C	STRING	False
Max Operating Temperature	85C	STRING	False
Package Quantity	1	STRING	False
Packaging	Tape and Reel	STRING	False
Operating Supply Current	50uA	STRING	False
Quiescent Current	20uA	STRING	False
Min Supply Voltage	3V	STRING	False
Max Supply Voltage	5.75V	STRING	False
Output Type	Digital	STRING	False
Series	-	STRING	False
Input Type	DIGITAL	STRING	False
Length	8.75mm	STRING	False
Width	4mm	STRING	False
Height	1.5mm	STRING	False
Radiation Hardening	No	STRING	False
REACH SVHC	No SVHC	STRING	False
Lead Free	Lead Free	STRING	False
Halogen Free	Halogen Free	STRING	False
RoHS Compliant	Yes	STRING	False

ComponentLink1URL	<a href="https://datasheet.ciiva.com/1781/ncs36000-d-1781637.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/1781/ncs36000-d-1781637.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/1781/ncs36000-d-1781637.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/1781/ncs36000-d-1781637.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/4763/ncs36000-d-89569-4763639.pdf?src=supplier=Mouser">https://datasheet.ciiva.com/4763/ncs36000-d-89569-4763639.pdf?src=supplier=Mouser</a>	STRING	False
ComponentLink2Description	<a href="https://datasheet.ciiva.com/4763/ncs36000-d-89569-4763639.pdf?src=supplier=Mouser">https://datasheet.ciiva.com/4763/ncs36000-d-89569-4763639.pdf?src=supplier=Mouser</a>	STRING	False
ComponentLink3URL	<a href="https://datasheet.ciiva.com/1781/ncs36000-d-1781638.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/1781/ncs36000-d-1781638.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink3Description	<a href="https://datasheet.ciiva.com/1781/ncs36000-d-1781638.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/1781/ncs36000-d-1781638.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink4URL	<a href="https://datasheet.ciiva.com/1781/ncs36000-d-1781639.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/1781/ncs36000-d-1781639.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink4Description	<a href="https://datasheet.ciiva.com/1781/ncs36000-d-1781639.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/1781/ncs36000-d-1781639.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink5URL	<a href="https://datasheet.ciiva.com/2965/ncs36000-d-2965212.pdf?src=supplier=Avnet">https://datasheet.ciiva.com/2965/ncs36000-d-2965212.pdf?src=supplier=Avnet</a>	STRING	False
ComponentLink5Description	<a href="https://datasheet.ciiva.com/2965/ncs36000-d-2965212.pdf?src=supplier=Avnet">https://datasheet.ciiva.com/2965/ncs36000-d-2965212.pdf?src=supplier=Avnet</a>	STRING	False
ComponentLink6URL	<a href="https://datasheet.ciiva.com/2966/ncs36000-d-2966525.pdf?src=supplier=Avnet">https://datasheet.ciiva.com/2966/ncs36000-d-2966525.pdf?src=supplier=Avnet</a>	STRING	False
ComponentLink6Description	<a href="https://datasheet.ciiva.com/2966/ncs36000-d-2966525.pdf?src=supplier=Avnet">https://datasheet.ciiva.com/2966/ncs36000-d-2966525.pdf?src=supplier=Avnet</a>	STRING	False
Supplier Part Number 1	NCS36000DRGOSCT-ND	STRING	False
Designed By	Sleyman ARIKAYA	STRING	False
Comment	NCS36000DRG	STRING	True

## Models



<b>Model Name</b>	SOIC14
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	330.607mil x 350.394mil
<b>Number of Pads</b>	14
<b>Number of Primitives</b>	36

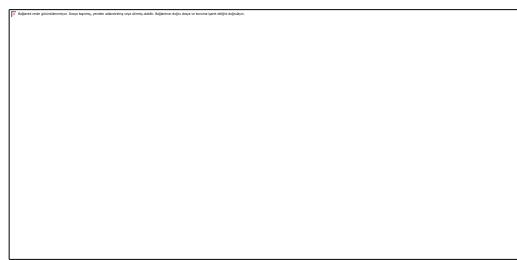
	<b>Library Reference</b>	OPA314AIDBVR
	<b>Description</b>	General Purpose Amplifier 1 Circuit Rail-to-Rail SOT-23-5
	<b>Kind</b>	Standard
	<b>Aliases</b>	Component has no aliases
	<b>Designator</b>	OP?
	<b>Number of Parameters</b>	50
	<b>Number of Pins</b>	5
	<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Supplier 1	Digi-Key	STRING	False
Manufacturer	Texas Instruments	STRING	False
Manufacturer Part Number	OPA314AIDBVR	STRING	False
RoHS	Yes	STRING	False
Category	Amplifiers - Op Amps, Buffer, Instrumentation	STRING	False
Pricing 1	1=1.21000, 10=1.08500, 25=1.03000, 100=0.84600, 250=0.79080, 500=0.69886, 1000=0.60725 (USD)	STRING	False
Case/Package	SOT23-5	STRING	False
Number of Pins	5	STRING	False
Contact Plating	Gold	STRING	False
Min Operating Temperature	-40C	STRING	False
Max Operating Temperature	125C	STRING	False
Min Supply Voltage	1.8V	STRING	False
Max Supply Voltage	5.5V	STRING	False
Min Dual Supply Voltage	900mV	STRING	False
Max Dual Supply Voltage	2.75V	STRING	False
Voltage Gain	128dB	STRING	False
Common Mode Rejection Ratio	75dB	STRING	False
Gain Bandwidth Product	3MHz	STRING	False
Package Quantity	1	STRING	False
Output Current	20mA	STRING	False
Packaging	Tape and Reel	STRING	False
Nominal Supply Current	150uA	STRING	False
Unity Gain Bandwidth Product	3MHz	STRING	False
Nominal Gain Bandwidth Product	3MHz	STRING	False
Number of Channels	1	STRING	False
Slew Rate	1.5V/s	STRING	False

Max I/O Voltage	2.5mV	STRING	False
Input Offset Voltage (Vos)	2.5mV	STRING	False
Input Bias Current	10pA	STRING	False
Operating Supply Current	150uA	STRING	False
Number of Circuits	1	STRING	False
Output Current per Channel	20mA	STRING	False
Number of Elements	1	STRING	False
Power Supply Rejection Ratio (PSRR)	78dB	STRING	False
Supply Current	150uA	STRING	False
Series	-	STRING	False
Amplifier Type	GENERAL PURPOSE	STRING	False
Technology	CMOS	STRING	False
Radiation Hardening	No	STRING	False
Lead Free	Lead Free	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/29638/opa314-29638827.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/29638/opa314-29638827.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/29638/opa314-29638827.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/29638/opa314-29638827.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/14462/opa2314-14462006.pdf?src=supplier=Avnet">https://datasheet.ciiva.com/14462/opa2314-14462006.pdf?src=supplier=Avnet</a>	STRING	False
ComponentLink2Description	<a href="https://datasheet.ciiva.com/14462/opa2314-14462006.pdf?src=supplier=Avnet">https://datasheet.ciiva.com/14462/opa2314-14462006.pdf?src=supplier=Avnet</a>	STRING	False
ComponentLink3URL	<a href="https://datasheet.ciiva.com/14456/opa2314-14456281.pdf?src=supplier=Avnet">https://datasheet.ciiva.com/14456/opa2314-14456281.pdf?src=supplier=Avnet</a>	STRING	False
ComponentLink3Description	<a href="https://datasheet.ciiva.com/14456/opa2314-14456281.pdf?src=supplier=Avnet">https://datasheet.ciiva.com/14456/opa2314-14456281.pdf?src=supplier=Avnet</a>	STRING	False
Supplier Part Number 1	296-36699-1-ND	STRING	False
Designed By	Sleyman ARIKAYA	STRING	False
Comment	OPA314AIDBVR	STRING	True

## Models



<b>Model Name</b>	<b>SOT23-5</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	330.607mil x 157.48mil
<b>Number of Pads</b>	5
<b>Number of Primitives</b>	28

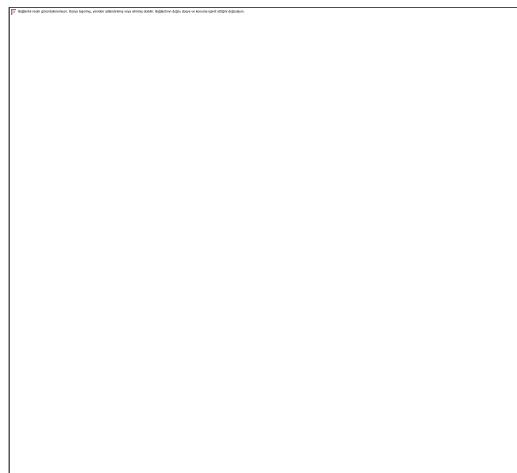
<b>Library Reference</b>	<b>PJ-037AH-SMT-TR</b>
<b>Description</b>	DC Power Connectors Power JackS
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	J?
<b>Number of Parameters</b>	46
<b>Number of Pins</b>	6
<b>Number of Models</b>	1

## Parameters

Name	Value	Type
Package	None	STF
MF	CUI Devices	STF
CUI_purchase_URL	<a href="https://www.cuiedevices.com/product/interconnect/connectors/dc-power-connectors/jacks/pj-037ah-smt-tr?utm_source=snapeda.com&amp;utm_medium=referral&amp;utm_campaign=snapedaBOM">https://www.cuiedevices.com/product/interconnect/connectors/dc-power-connectors/jacks/pj-037ah-smt-tr?utm_source=snapeda.com&amp;utm_medium=referral&amp;utm_campaign=snapedaBOM</a>	STF
Value	*	STF
Price	None	STF
MP	PJ-037AH-SMT-TR	STF
SnapEDA_Link	<a href="https://www.snapeda.com/parts/PJ-037AH-SMT-TR/CUI%20Devices/view-part/214266/?ref=snap">https://www.snapeda.com/parts/PJ-037AH-SMT-TR/CUI%20Devices/view-part/214266/?ref=snap</a>	STF
Availability	Unavailable	STF
Supplier 1	Digi-Key	STF
Manufacturer	CUI	STF
Manufacturer Part Number	PJ-037AH-SMT-TR	STF
RoHS	Yes	STF
Category	Connectors	STF
Stock 1	4160	STF
Pricing 1	1=1.500000, 10=1.304000, 25=1.248800, 50=1.221000, 100=1.165500 (USD)	STF
Mount	Surface Mount, Through Hole	STF
Case/Package	PJ-037AH-SMT-TR	STF
Color	Black	STF
Contact Material	Copper	STF
Contact Plating	Nickel	STF
Housing Color	Black	STF
Housing Material	Thermoplastic	STF
Min Operating Temperature	-25C	STF
Max Operating Temperature	85C	STF
Number of Conductors	2	STF
Orientation	Horizontal	STF
Package Quantity	200	STF

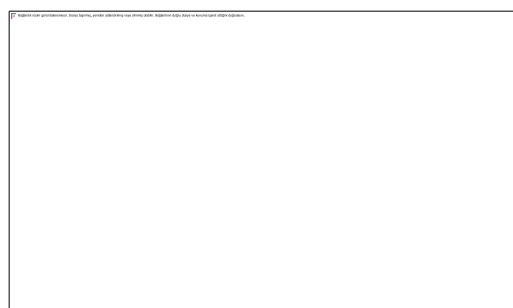
Gender	Male	STP
Shielding	Unshielded	STP
Current Rating	5A	STP
Termination	Solder	STP
Connector Type	Jack	STP
Contact Gender	Male	STP
Packaging	Tape and Reel	STP
Voltage Rating	24V	STP
Insulation Resistance	100MR	STP
Flammability Rating	UL94 V-0	STP
ComponentLink1URL	<a href="http://www.mouser.com/ds/2/670/pj-037ah-smt-516065.pdf?src=supplier=Mouser">http://www.mouser.com/ds/2/670/pj-037ah-smt-516065.pdf?src=supplier=Mouser</a>	STP
ComponentLink1Description	<a href="http://www.mouser.com/ds/2/670/pj-037ah-smt-516065.pdf?src=supplier=Mouser">http://www.mouser.com/ds/2/670/pj-037ah-smt-516065.pdf?src=supplier=Mouser</a>	STP
ComponentLink2URL	<a href="https://www.cui.com/product/resource/digikeypdf/pj-037ah-smt-tr.pdf?src=supplier=Digi-Key">https://www.cui.com/product/resource/digikeypdf/pj-037ah-smt-tr.pdf?src=supplier=Digi-Key</a>	STP
ComponentLink2Description	<a href="https://www.cui.com/product/resource/digikeypdf/pj-037ah-smt-tr.pdf?src=supplier=Digi-Key">https://www.cui.com/product/resource/digikeypdf/pj-037ah-smt-tr.pdf?src=supplier=Digi-Key</a>	STP
ComponentLink3URL	<a href="http://www.cui.com/product/resource/digikeypdf/pj-037ah-smt.pdf?src=supplier=Digi-Key">http://www.cui.com/product/resource/digikeypdf/pj-037ah-smt.pdf?src=supplier=Digi-Key</a>	STP
ComponentLink3Description	<a href="http://www.cui.com/product/resource/digikeypdf/pj-037ah-smt.pdf?src=supplier=Digi-Key">http://www.cui.com/product/resource/digikeypdf/pj-037ah-smt.pdf?src=supplier=Digi-Key</a>	STP
Supplier Part Number 1	CP-037AHPJCT-ND	STP
Designed By	Sleyman ARIKAYA	STP
Comment	PJ-037AH-SMT-TR	STP

## Models



<b>Model Name</b>	<b>PJ-037AH-SMT-TR</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	760.157mil x 681.102mil
<b>Number of Pads</b>	7
<b>Number of Primitives</b>	30

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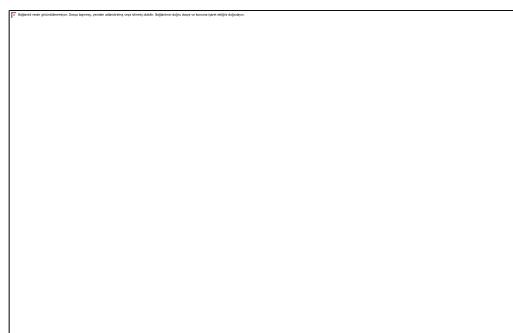


<b>Library Reference</b>	<b>Push Button</b>
<b>Description</b>	Smd Push Button
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	B?
<b>Number of Parameters</b>	2
<b>Number of Pins</b>	4
<b>Number of Models</b>	1

## Parameters

Name	Value	Type
Satn Alma Linki	<a href="https://urun.n11.com/diger/mini-pushbutton-switch-smd-P227461537?gclid=Cj0KCQjwkoDmBRCcARIsAG3xzI8Y_-jeD7HocNM6lvuZ_rVp83568XPGtNzIPwXWLph8oCRqo0yh87UaApZYEALw_wcB&amp;gclsrc=aw.ds">https://urun.n11.com/diger/mini-pushbutton-switch-smd-P227461537?gclid=Cj0KCQjwkoDmBRCcARIsAG3xzI8Y_-jeD7HocNM6lvuZ_rVp83568XPGtNzIPwXWLph8oCRqo0yh87UaApZYEALw_wcB&amp;gclsrc=aw.ds</a>	STRING
Comment *		STRING

## Models



<b>Model Name</b>	<b>PUSB BUTTON-SMD</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	619.806mil x 219.488mil
<b>Number of Pads</b>	4
<b>Number of Primitives</b>	15



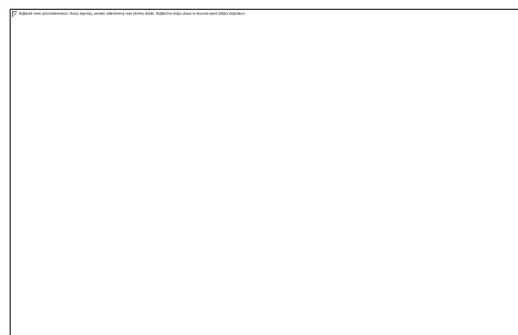
<b>Library Reference</b>	<b>Push Button Tact</b>
<b>Description</b>	Smd Push Button Tact Mini Tip
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	B?
<b>Number of Parameters</b>	2
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

## Parameters

Name	Value	Type

Satn Alma Linki	https://urun.n11.com/diger/mini-pushbutton-switch-smd-P227461537?gclid=Cj0KCQjwkoDmBRCcARIsAG3xzI8Y_-jeD7HocNM6lvuZ_rVp83568XPGtNzIPwXWLph8oCRqo0yh87UaApZYEALw_wcB&gclsrc=aw.ds	STRING
Comment *		STRING

## Models



<b>Model Name</b>	<b>PUSB BUTTON-SMD TACT</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	619.806mil x 163.937mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	12



<b>Library Reference</b>	<b>RES 0 OHM 0603</b>
<b>Description</b>	RES SMD 0 OHM JUMPER %1 1/10W 0603
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	R?
<b>Number of Parameters</b>	44
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Designed By	Sleyman ARIKAYA	STRING	False
Supplier 1	Digi-Key	STRING	False
Manufacturer	Yageo	STRING	False
Manufacturer Part Number	RC0603JR-070RL	STRING	False
RoHS	Yes	STRING	False
Category	Chip SMD Resistors	STRING	False
Stock 1	11872919	STRING	False
Pricing 1	1=0.10000, 10=0.01700, 25=0.01240, 50=0.00940, 100=0.00700, 250=0.00532, 500=0.00424, 1000=0.00313 (USD)	STRING	False
Case/Package	0603	STRING	False
Number of Pins	2	STRING	False
Contact Plating	Tin,Matte	STRING	False

Case Code (Imperial)	0603	STRING	False
Case Code (Metric)	1608	STRING	False
Size Code	0603	STRING	False
Min Operating Temperature	-55C	STRING	False
Max Operating Temperature	155C	STRING	False
Resistor Type	Thick Film	STRING	False
Tolerance	1%	STRING	False
Power Rating	100mW	STRING	False
Packaging	Tape and Reel	STRING	False
Voltage Rating (DC)	50V	STRING	False
Termination	SMD/SMT	STRING	False
Temperature Coefficient	200ppm/C	STRING	False
Series	RC	STRING	False
Technology	THICK FILM	STRING	False
Package Quantity	5000	STRING	False
Voltage Rating	50V	STRING	False
Features	Moisture Resistant	STRING	False
Max Power Dissipation	100mW	STRING	False
Number of Terminations	2	STRING	False
Resistance Tolerance	5%	STRING	False
Construction	Rectangular	STRING	False
Length	1.6mm	STRING	False
Width	0.8mm	STRING	False
Height	0.45mm	STRING	False
Depth	0.8mm	STRING	False
Radiation Hardening	No	STRING	False
REACH SVHC	No SVHC	STRING	False
Lead Free	Lead Free	STRING	False
RoHS Compliant	Yes	STRING	False
Military Standard	Not	STRING	False
Supplier Part Number 1	311-0.0GRCT-ND	STRING	False
Resistance	0R	STRING	True
Comment	RC0603JR-070RL	STRING	True

## Models

	<b>Model Name</b>	R0603
	<b>Model Type</b>	Footprint
	<b>Description</b>	
	<b>Height</b>	0mil
	<b>Dimension</b>	204.66mil x 43.307mil
	<b>Number of Pads</b>	2
	<b>Number of Primitives</b>	22
	<b>Library Reference</b>	RES 1K OHM 0603
	<b>Description</b>	RES SMD 1K OHM 1% 1/10W 0603
	<b>Kind</b>	Standard
	<b>Aliases</b>	Component has no aliases
	<b>Designator</b>	R?
	<b>Number of Parameters</b>	54
	<b>Number of Pins</b>	2
	<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Supplier 1	Digi-Key	STRING	False
Manufacturer	Yageo	STRING	False
Manufacturer Part Number	RC0603FR-071KL	STRING	False
RoHS	Yes	STRING	False
Category	Chip SMD Resistors	STRING	False
Stock 1	58110067	STRING	False
Pricing 1	1=0.10000, 10=0.02400, 100=0.00970, 1000=0.00436, 2500=0.00378 (USD)	STRING	False
Case/Package	0603	STRING	False
Number of Pins	2	STRING	False
Case Code (Imperial)	0603	STRING	False
Case Code (Metric)	1608	STRING	False
Weight	7.1E-05oz	STRING	False
Size Code	0603	STRING	False
Min Operating Temperature	-55C	STRING	False
Max Operating Temperature	155C	STRING	False
Tolerance	1%	STRING	False
Resistor Type	Thick Film	STRING	False
Temperature Coefficient	100ppm/C	STRING	False
Packaging	Tape and Reel	STRING	False

Voltage Rating (DC)	50V	STRING	False
Power Rating	100mW	STRING	False
Voltage Rating	75V	STRING	False
Termination	SMD/SMT	STRING	False
Features	Moisture Resistant	STRING	False
Series	RC	STRING	False
Max Power Dissipation	100mW	STRING	False
Number of Terminations	2	STRING	False
Resistance Tolerance	1%	STRING	False
Construction	Rectangular	STRING	False
Length	1.6mm	STRING	False
Width	0.8mm	STRING	False
Height	0.45mm	STRING	False
Depth	0.8mm	STRING	False
Lead Pitch	0.3mm	STRING	False
REACH SVHC	Unknown	STRING	False
Lead Free	Lead Free	STRING	False
Military Standard	Not	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/7660/38590-7660789.pdf?src=supplier=Element14">https://datasheet.ciiva.com/7660/38590-7660789.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/7660/38590-7660789.pdf?src=supplier=Element14">https://datasheet.ciiva.com/7660/38590-7660789.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/7983/443971-7983596.pdf?src=supplier=Element14">https://datasheet.ciiva.com/7983/443971-7983596.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink2Description	<a href="https://datasheet.ciiva.com/7983/443971-7983596.pdf?src=supplier=Element14">https://datasheet.ciiva.com/7983/443971-7983596.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink3URL	<a href="https://datasheet.ciiva.com/22747/443971-22747519.pdf?src=supplier=Element14">https://datasheet.ciiva.com/22747/443971-22747519.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink3Description	<a href="https://datasheet.ciiva.com/22747/443971-22747519.pdf?src=supplier=Element14">https://datasheet.ciiva.com/22747/443971-22747519.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink4URL	<a href="https://datasheet.ciiva.com/46440/1868787-46440891.pdf?src=supplier=Element14">https://datasheet.ciiva.com/46440/1868787-46440891.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink4Description	<a href="https://datasheet.ciiva.com/46440/1868787-46440891.pdf?src=supplier=Element14">https://datasheet.ciiva.com/46440/1868787-46440891.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink5URL	<a href="https://datasheet.ciiva.com/7746/1738695-7746239.pdf?src=supplier=Element14">https://datasheet.ciiva.com/7746/1738695-7746239.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink5Description	<a href="https://datasheet.ciiva.com/7746/1738695-7746239.pdf?src=supplier=Element14">https://datasheet.ciiva.com/7746/1738695-7746239.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink6URL	<a href="https://datasheet.ciiva.com/15189/getdatasheetpartid-409289-15189591.pdf?src=supplier=Verical">https://datasheet.ciiva.com/15189/getdatasheetpartid-409289-15189591.pdf?src=supplier=Verical</a>	STRING	False
ComponentLink6Description	<a href="https://datasheet.ciiva.com/15189/getdatasheetpartid-409289-15189591.pdf?src=supplier=Verical">https://datasheet.ciiva.com/15189/getdatasheetpartid-409289-15189591.pdf?src=supplier=Verical</a>	STRING	False
Designed By	Sleyman ARIKAYA	STRING	False
Supplier Part Number 1	311-10.0KHRCT-ND	STRING	False
Resistance	1kR	STRING	True
Comment	RC0603FR-071KL	STRING	True

## Models

	<b>Model Name</b> R0603 <b>Model Type</b> Footprint <b>Description</b> <b>Height</b> 0mil <b>Dimension</b> 204.66mil x 43.307mil <b>Number of Pads</b> 2 <b>Number of Primitives</b> 22
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	<b>Library Reference</b> RES 2.2k OHM 1206 <b>Description</b> 2.2k R1206 <b>Kind</b> Standard <b>Aliases</b> Component has no aliases <b>Designator</b> R? <b>Number of Parameters</b> 1 <b>Number of Pins</b> 2 <b>Number of Models</b> 1
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## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models

	<b>Model Name</b> R1206 <b>Model Type</b> Footprint <b>Description</b> <b>Height</b> 0mil <b>Dimension</b> 165.354mil x 74.803mil <b>Number of Pads</b> 2 <b>Number of Primitives</b> 16
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<b>Library Reference</b>	RES 4.7K OHM 0603
<b>Description</b>	RES 4.7K OHM 5% 1/10W 0603
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	R?
<b>Number of Parameters</b>	41
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Supplier 1	Digi-Key	STRING	False
Manufacturer	Yageo	STRING	False
Manufacturer Part Number	RC0603JR-074K7L	STRING	False
RoHS	Yes	STRING	False
Category	Chip SMD Resistors	STRING	False
Stock 1	7892893	STRING	False
Pricing 1	1=0.10000, 10=0.02000, 100=0.00800, 1000=0.00360, 2500=0.00312 (USD)	STRING	False
Case/Package	0603	STRING	False
Number of Pins	2	STRING	False
Case Code (Imperial)	0603	STRING	False
Case Code (Metric)	1608	STRING	False
Size Code	0603	STRING	False
Min Operating Temperature	-55C	STRING	False
Max Operating Temperature	155C	STRING	False
Resistor Type	Thick Film	STRING	False
Voltage Rating (DC)	50V	STRING	False
Tolerance	5%	STRING	False
Packaging	Tape and Reel	STRING	False
Temperature Coefficient	100ppm/C	STRING	False
Power Rating	100mW	STRING	False
Voltage Rating	50V	STRING	False
Termination	SMD/SMT	STRING	False
Features	Moisture Resistant	STRING	False
Max Power Dissipation	100mW	STRING	False
Number of Terminations	2	STRING	False
Series	RC	STRING	False
Resistance Tolerance	5%	STRING	False
Construction	Rectangular	STRING	False

Length	1.6mm	STRING	False
Width	0.8mm	STRING	False
Depth	0.8mm	STRING	False
REACH SVHC	No SVHC	STRING	False
Lead Free	Lead Free	STRING	False
RoHS Compliant	Yes	STRING	False
Military Standard	Not	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/46412/443971-46412858.pdf?src=supplier=Element14">https://datasheet.ciiva.com/46412/443971-46412858.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/46412/443971-46412858.pdf?src=supplier=Element14">https://datasheet.ciiva.com/46412/443971-46412858.pdf?src=supplier=Element14</a>	STRING	False
Supplier Part Number 1	311-4.7KGRDKR-ND	STRING	False
Designed By	Sleyman ARIKAYA	STRING	False
Resistance	4.7kR	STRING	True
Comment	RC0603JR-074K7L	STRING	True

## Models

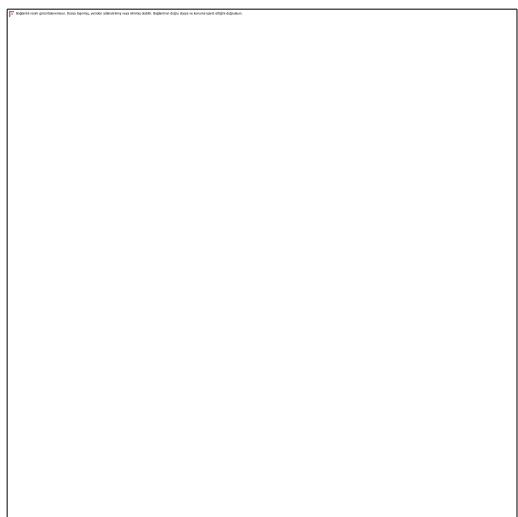
	<b>Model Name</b> R0603 <b>Model Type</b> Footprint <b>Description</b> <b>Height</b> 0mil <b>Dimension</b> 204.66mil x 43.307mil <b>Number of Pads</b> 2 <b>Number of Primitives</b> 22
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	<b>Library Reference</b> RES 4.7k OHM 1206 <b>Description</b> 4.7k R1206 <b>Kind</b> Standard <b>Aliases</b> Component has no aliases <b>Designator</b> R? <b>Number of Parameters</b> 1 <b>Number of Pins</b> 2 <b>Number of Models</b> 1
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## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models



<b>Model Name</b>	R1206
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	165.354mil x 74.803mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	16



<b>Library Reference</b>	<b>RES 10K OHM 0603</b>
<b>Description</b>	RES SMD 10K OHM 1% 1/10W 0603
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	R?
<b>Number of Parameters</b>	54
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Supplier 1	Digi-Key	STRING	False
Manufacturer	Yageo	STRING	False
Manufacturer Part Number	RC0603FR-0710KL	STRING	False
RoHS	Yes	STRING	False
Category	Chip SMD Resistors	STRING	False
Stock 1	58110067	STRING	False
Pricing 1	1=0.10000, 10=0.02400, 100=0.00970, 1000=0.00436, 2500=0.00378 (USD)	STRING	False
Case/Package	0603	STRING	False
Number of Pins	2	STRING	False
Case Code (Imperial)	0603	STRING	False
Case Code (Metric)	1608	STRING	False
Weight	7.1E-05oz	STRING	False
Size Code	0603	STRING	False
Min Operating Temperature	-55C	STRING	False
Max Operating Temperature	155C	STRING	False

Tolerance	1%	STRING	False
Resistor Type	Thick Film	STRING	False
Temperature Coefficient	100ppm/C	STRING	False
Packaging	Tape and Reel	STRING	False
Voltage Rating (DC)	50V	STRING	False
Power Rating	100mW	STRING	False
Voltage Rating	75V	STRING	False
Termination	SMD/SMT	STRING	False
Features	Moisture Resistant	STRING	False
Series	RC	STRING	False
Max Power Dissipation	100mW	STRING	False
Number of Terminations	2	STRING	False
Resistance Tolerance	1%	STRING	False
Construction	Rectangular	STRING	False
Length	1.6mm	STRING	False
Width	0.8mm	STRING	False
Height	0.45mm	STRING	False
Depth	0.8mm	STRING	False
Lead Pitch	0.3mm	STRING	False
REACH SVHC	Unknown	STRING	False
Lead Free	Lead Free	STRING	False
Military Standard	Not	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/7660/38590-7660789.pdf?src=supplier=Element14">https://datasheet.ciiva.com/7660/38590-7660789.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/7660/38590-7660789.pdf?src=supplier=Element14">https://datasheet.ciiva.com/7660/38590-7660789.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/7983/443971-7983596.pdf?src=supplier=Element14">https://datasheet.ciiva.com/7983/443971-7983596.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink2Description	<a href="https://datasheet.ciiva.com/7983/443971-7983596.pdf?src=supplier=Element14">https://datasheet.ciiva.com/7983/443971-7983596.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink3URL	<a href="https://datasheet.ciiva.com/22747/443971-22747519.pdf?src=supplier=Element14">https://datasheet.ciiva.com/22747/443971-22747519.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink3Description	<a href="https://datasheet.ciiva.com/22747/443971-22747519.pdf?src=supplier=Element14">https://datasheet.ciiva.com/22747/443971-22747519.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink4URL	<a href="https://datasheet.ciiva.com/46440/1868787-46440891.pdf?src=supplier=Element14">https://datasheet.ciiva.com/46440/1868787-46440891.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink4Description	<a href="https://datasheet.ciiva.com/46440/1868787-46440891.pdf?src=supplier=Element14">https://datasheet.ciiva.com/46440/1868787-46440891.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink5URL	<a href="https://datasheet.ciiva.com/7746/1738695-7746239.pdf?src=supplier=Element14">https://datasheet.ciiva.com/7746/1738695-7746239.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink5Description	<a href="https://datasheet.ciiva.com/7746/1738695-7746239.pdf?src=supplier=Element14">https://datasheet.ciiva.com/7746/1738695-7746239.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink6URL	<a href="https://datasheet.ciiva.com/15189/getdatasheetpartid-409289-15189591.pdf?src=supplier=Verical">https://datasheet.ciiva.com/15189/getdatasheetpartid-409289-15189591.pdf?src=supplier=Verical</a>	STRING	False
ComponentLink6Description	<a href="https://datasheet.ciiva.com/15189/getdatasheetpartid-409289-15189591.pdf?src=supplier=Verical">https://datasheet.ciiva.com/15189/getdatasheetpartid-409289-15189591.pdf?src=supplier=Verical</a>	STRING	False

Designed By	Sleyman ARIKAYA	STRING	False
Supplier Part Number 1	311-10.0KHRCT-ND	STRING	False
Resistance	10kR	STRING	True
Comment	RC0603FR-0710KL	STRING	True

## Models

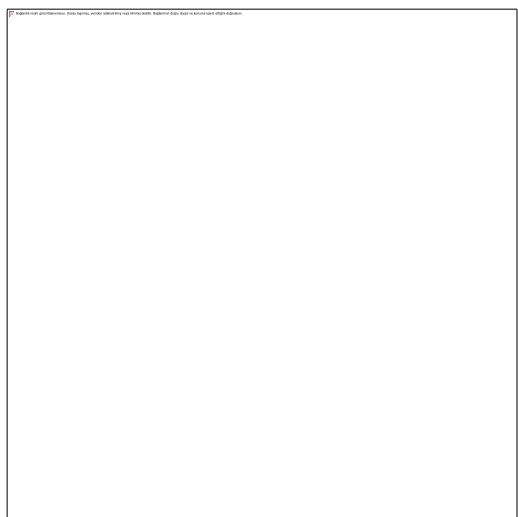
	<b>Model Name</b> R0603 <b>Model Type</b> Footprint <b>Description</b> <b>Height</b> 0mil <b>Dimension</b> 204.66mil x 43.307mil <b>Number of Pads</b> 2 <b>Number of Primitives</b> 22
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	<b>Library Reference</b> RES 10k OHM 1206 <b>Description</b> 10k R1206 <b>Kind</b> Standard <b>Aliases</b> Component has no aliases <b>Designator</b> R? <b>Number of Parameters</b> 1 <b>Number of Pins</b> 2 <b>Number of Models</b> 1
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## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models



<b>Model Name</b>	R1206
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	165.354mil x 74.803mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	16



<b>Library Reference</b>	<b>RES 15 OHM 0603</b>
<b>Description</b>	RES 15 OHM 5% 1/10W 0603
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	R?
<b>Number of Parameters</b>	52
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Designed By	Sleyman ARIKAYA	STRING	False
Supplier 1	Digi-Key	STRING	False
Manufacturer	Yageo	STRING	False
Manufacturer Part Number	RC0603JR-0715RL	STRING	False
RoHS	Yes	STRING	False
Category	Chip SMD Resistors	STRING	False
Stock 1	1082241	STRING	False
Pricing 1	1=0.10000, 10=0.02000, 100=0.00800, 1000=0.00360, 2500=0.00312 (USD)	STRING	False
Case/Package	0603	STRING	False
Number of Pins	2	STRING	False
Case Code (Imperial)	0603	STRING	False
Case Code (Metric)	1608	STRING	False
Weight	7.1E-05oz	STRING	False
Min Operating Temperature	-55C	STRING	False
Max Operating Temperature	155C	STRING	False

Tolerance	5%	STRING	False
Resistor Type	Thick Film	STRING	False
Temperature Coefficient	100ppm/C	STRING	False
Voltage Rating (DC)	50V	STRING	False
Packaging	Tape and Reel	STRING	False
Power Rating	100mW	STRING	False
Voltage Rating	75V	STRING	False
Package Quantity	1	STRING	False
Termination	SMD/SMT	STRING	False
Number of Terminations	2	STRING	False
Max Power Dissipation	100mW	STRING	False
Working Voltage	75V	STRING	False
Features	Moisture Resistant	STRING	False
Series	RC	STRING	False
Resistance Tolerance	5%	STRING	False
Construction	Rectangular	STRING	False
Length	1.6mm	STRING	False
Width	0.8mm	STRING	False
Height	0.022inch	STRING	False
Depth	0.8mm	STRING	False
REACH SVHC	No SVHC	STRING	False
Lead Free	Lead Free	STRING	False
Military Standard	Not	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453086.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453086.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453086.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453086.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453087.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453087.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink2Description	<a href="https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453087.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453087.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink3URL	<a href="https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453085.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453085.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink3Description	<a href="https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453085.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453085.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink4URL	<a href="https://datasheet.ciiva.com/7746/443971-7746446.pdf?src=supplier=Element14">https://datasheet.ciiva.com/7746/443971-7746446.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink4Description	<a href="https://datasheet.ciiva.com/7746/443971-7746446.pdf?src=supplier=Element14">https://datasheet.ciiva.com/7746/443971-7746446.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink5URL	<a href="https://datasheet.ciiva.com/7746/443971-7746445.pdf?src=supplier=Element14">https://datasheet.ciiva.com/7746/443971-7746445.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink5Description	<a href="https://datasheet.ciiva.com/7746/443971-7746445.pdf?src=supplier=Element14">https://datasheet.ciiva.com/7746/443971-7746445.pdf?src=supplier=Element14</a>	STRING	False
Supplier Part Number 1	311-15GRDKR-ND	STRING	False
Resistance	15R	STRING	True

Comment	RC0603JR-0715RL	STRING	True
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## Models



<b>Model Name</b>	<b>R0603</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	204.66mil x 43.307mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	22



<b>Library Reference</b>	<b>RES 43K OHM 0603</b>
<b>Description</b>	RES 43K OHM 5% 1/10W 0603
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	R?
<b>Number of Parameters</b>	46
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Designed By	Sleyman ARIKAYA	STRING	False
Supplier 1	Digi-Key	STRING	False
Manufacturer	Yageo	STRING	False
Manufacturer Part Number	RC0603JR-0743KL	STRING	False
RoHS	Yes	STRING	False
Category	Chip SMD Resistors	STRING	False
Stock 1	72250	STRING	False
Pricing 1	1=0.10000, 10=0.02000, 100=0.00800, 1000=0.00360, 2500=0.00312 (USD)	STRING	False
Case/Package	0603	STRING	False
Case Code (Imperial)	0603	STRING	False
Case Code (Metric)	1608	STRING	False
Weight	7.1E-05oz	STRING	False
Min Operating Temperature	-55C	STRING	False
Max Operating Temperature	155C	STRING	False
Voltage Rating	75V	STRING	False

Power Rating	100mW	STRING	False
Tolerance	5%	STRING	False
Packaging	Tape and Reel	STRING	False
Package Quantity	1	STRING	False
Termination	SMD/SMT	STRING	False
Resistor Type	Thick Film	STRING	False
Number of Terminations	2	STRING	False
Temperature Coefficient	100ppm/C	STRING	False
Max Power Dissipation	100mW	STRING	False
Voltage Rating (DC)	50V	STRING	False
Working Voltage	75V	STRING	False
Features	Moisture Resistant	STRING	False
Series	RC	STRING	False
Construction	Rectangular	STRING	False
Technology	THICK FILM	STRING	False
Length	1.6mm	STRING	False
Width	0.8mm	STRING	False
Height	0.022inch	STRING	False
Depth	0.8mm	STRING	False
Military Standard	Not	STRING	False
Lead Free	Lead Free	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453053.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453053.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453053.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453053.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453054.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453054.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink2Description	<a href="https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453054.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453054.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink3URL	<a href="https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453052.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453052.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink3Description	<a href="https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453052.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453052.pdf?src=supplier=Digi-Key</a>	STRING	False
Supplier Part Number 1	311-43KGRCT-ND	STRING	False
Resistance	43kR	STRING	True
Comment	RC0603JR-0743KL	STRING	True

## Models



<b>Model Name</b>	R0603
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	204.66mil x 43.307mil

<b>Number of Pads</b>	2
<b>Number of Primitives</b>	22

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	<b>Library Reference</b> <b>RES 100 OHM 0603</b> <b>Description</b> RES 100 OHM 5% 1/10W 0603 <b>Kind</b> Standard <b>Aliases</b> Component has no aliases <b>Designator</b> R? <b>Number of Parameters</b> 49 <b>Number of Pins</b> 2 <b>Number of Models</b> 1
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## Parameters

Name	Value	Type	Visible
Supplier 1	Digi-Key	STRING	False
Manufacturer	Yageo	STRING	False
Manufacturer Part Number	RC0603JR-07100RL	STRING	False
RoHS	Yes	STRING	False
Category	Chip SMD Resistors	STRING	False
Stock 1	3996702	STRING	False
Pricing 1	5000=0.00258, 10000=0.00224, 25000=0.00197, 50000=0.00180, 125000=0.00177 (USD)	STRING	False
Case/Package	0603	STRING	False
Number of Pins	2	STRING	False
Contact Plating	Tin,Matte	STRING	False
Case Code (Imperial)	0603	STRING	False
Case Code (Metric)	1608	STRING	False
Size Code	0603	STRING	False
Min Operating Temperature	-55C	STRING	False
Max Operating Temperature	155C	STRING	False
Tolerance	5%	STRING	False
Temperature Coefficient	100ppm/C	STRING	False
Resistor Type	Thick Film	STRING	False
Packaging	Tape and Reel	STRING	False
Voltage Rating (DC)	50V	STRING	False
Power Rating	100mW	STRING	False
Voltage Rating	50V	STRING	False
Termination	SMD/SMT	STRING	False

Features	Moisture Resistant	STRING	False
Series	RC	STRING	False
Max Power Dissipation	100mW	STRING	False
Number of Terminations	2	STRING	False
Construction	Rectangular	STRING	False
Resistance Tolerance	5%	STRING	False
Length	1.6mm	STRING	False
Width	0.8mm	STRING	False
Depth	0.8mm	STRING	False
Radiation Hardening	No	STRING	False
REACH SVHC	Unknown	STRING	False
Lead Free	Lead Free	STRING	False
Military Standard	Not	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/7746/443971-7746425.pdf?src=supplier=Element14">https://datasheet.ciiva.com/7746/443971-7746425.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/7746/443971-7746425.pdf?src=supplier=Element14">https://datasheet.ciiva.com/7746/443971-7746425.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/7746/443971-7746426.pdf?src=supplier=Element14">https://datasheet.ciiva.com/7746/443971-7746426.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink2Description	<a href="https://datasheet.ciiva.com/7746/443971-7746426.pdf?src=supplier=Element14">https://datasheet.ciiva.com/7746/443971-7746426.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink3URL	<a href="https://datasheet.ciiva.com/8883/pyu-rc0603-51-rohs-l-4-8883047.pdf?src=supplier=Avnet">https://datasheet.ciiva.com/8883/pyu-rc0603-51-rohs-l-4-8883047.pdf?src=supplier=Avnet</a>	STRING	False
ComponentLink3Description	<a href="https://datasheet.ciiva.com/8883/pyu-rc0603-51-rohs-l-4-8883047.pdf?src=supplier=Avnet">https://datasheet.ciiva.com/8883/pyu-rc0603-51-rohs-l-4-8883047.pdf?src=supplier=Avnet</a>	STRING	False
ComponentLink4URL	<a href="https://datasheet.ciiva.com/15189/getdatasheetpartid-325207-15189846.pdf?src=supplier=Verical">https://datasheet.ciiva.com/15189/getdatasheetpartid-325207-15189846.pdf?src=supplier=Verical</a>	STRING	False
ComponentLink4Description	<a href="https://datasheet.ciiva.com/15189/getdatasheetpartid-325207-15189846.pdf?src=supplier=Verical">https://datasheet.ciiva.com/15189/getdatasheetpartid-325207-15189846.pdf?src=supplier=Verical</a>	STRING	False
Supplier Part Number 1	311-100GRTR-ND	STRING	False
Designed By	Sleyman ARIKAYA	STRING	False
Resistance	100R	STRING	True
Comment	RC0603JR-07100RL	STRING	True

## Models



<b>Model Name</b>	<b>R0603</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	204.66mil x 43.307mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	22

	<b>Library Reference</b>	RES 220K OHM 0603
	<b>Description</b>	RES 220K OHM 5% 1/10W 0603
	<b>Kind</b>	Standard
	<b>Aliases</b>	Component has no aliases
	<b>Designator</b>	R?
	<b>Number of Parameters</b>	47
	<b>Number of Pins</b>	2
	<b>Number of Models</b>	1

## Parameters

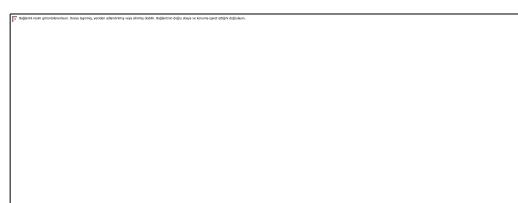
Name	Value	Type	Visible
Designed By	Sleyman ARIKAYA	STRING	False
Supplier 1	Digi-Key	STRING	False
Manufacturer	Yageo	STRING	False
Manufacturer Part Number	RC0603JR-07220KL	STRING	False
RoHS	Yes	STRING	False
Category	Chip SMD Resistors	STRING	False
Stock 1	1123370	STRING	False
Pricing 1	1=0.10000, 10=0.02000, 100=0.00800, 1000=0.00360, 2500=0.00312 (USD)	STRING	False
Case/Package	0603	STRING	False
Number of Pins	2	STRING	False
Case Code (Imperial)	0603	STRING	False
Case Code (Metric)	1608	STRING	False
Size Code	0603	STRING	False
Min Operating Temperature	-55C	STRING	False
Max Operating Temperature	155C	STRING	False
Resistor Type	Thick Film	STRING	False
Tolerance	5%	STRING	False
Temperature Coefficient	100ppm/C	STRING	False
Voltage Rating (DC)	50V	STRING	False
Packaging	Tape and Reel	STRING	False
Power Rating	100mW	STRING	False
Voltage Rating	50V	STRING	False
Package Quantity	1	STRING	False
Termination	SMD/SMT	STRING	False
Number of Terminations	2	STRING	False
Max Power Dissipation	100mW	STRING	False
Features	Moisture Resistant	STRING	False
Series	RC	STRING	False

Construction	Rectangular	STRING	False
Resistance Tolerance	5%	STRING	False
Length	1.6mm	STRING	False
Width	0.031inch	STRING	False
Height	0.022inch	STRING	False
Depth	0.8mm	STRING	False
REACH SVHC	No SVHC	STRING	False
Lead Free	Lead Free	STRING	False
RoHS Compliant	Yes	STRING	False
Military Standard	Not	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/2452/pyu-r-int-thick-7-2452924.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2452/pyu-r-int-thick-7-2452924.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/2452/pyu-r-int-thick-7-2452924.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2452/pyu-r-int-thick-7-2452924.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/2452/pyu-r-int-thick-7-2452925.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2452/pyu-r-int-thick-7-2452925.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink2Description	<a href="https://datasheet.ciiva.com/2452/pyu-r-int-thick-7-2452925.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2452/pyu-r-int-thick-7-2452925.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink3URL	<a href="https://datasheet.ciiva.com/2452/pyu-r-int-thick-7-2452923.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2452/pyu-r-int-thick-7-2452923.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink3Description	<a href="https://datasheet.ciiva.com/2452/pyu-r-int-thick-7-2452923.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2452/pyu-r-int-thick-7-2452923.pdf?src=supplier=Digi-Key</a>	STRING	False
Supplier Part Number 1	311-220KGRCT-ND	STRING	False
Resistance	220kR	STRING	True
Comment	RC0603JR-07220KL	STRING	True

## Models



<b>Model Name</b>	<b>R0603</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	204.66mil x 43.307mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	22



<b>Library Reference</b>	<b>RES 560K OHM 0603</b>
<b>Description</b>	RES 560K OHM 5% 1/10W 0603
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	R?
<b>Number of Parameters</b>	49

<b>Number of Pins</b>	2
<b>Number of Models</b>	1

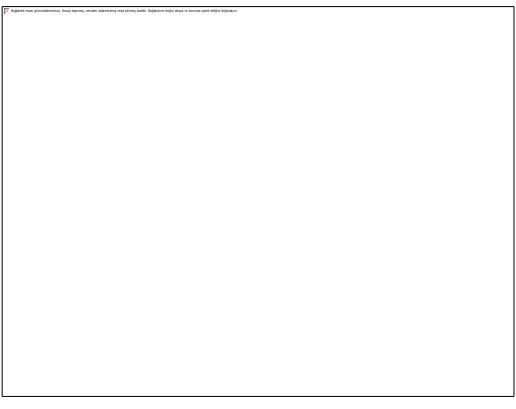
## Parameters

Name	Value	Type	Visible
Designed By	Sleyman ARIKAYA	STRING	False
Supplier 1	Digi-Key	STRING	False
Manufacturer	Yageo	STRING	False
Manufacturer Part Number	RC0603JR-07560KL	STRING	False
RoHS	Yes	STRING	False
Category	Chip SMD Resistors	STRING	False
Stock 1	562825	STRING	False
Pricing 1	1=0.10000, 10=0.02000, 100=0.00800, 1000=0.00360, 2500=0.00312 (USD)	STRING	False
Case/Package	0603	STRING	False
Number of Pins	2	STRING	False
Case Code (Metric)	1608	STRING	False
Case Code (Imperial)	0603	STRING	False
Weight	7.1E-05oz	STRING	False
Min Operating Temperature	-55C	STRING	False
Max Operating Temperature	155C	STRING	False
Package Quantity	1	STRING	False
Power Rating	100mW	STRING	False
Tolerance	5%	STRING	False
Packaging	Tape and Reel	STRING	False
Voltage Rating	75V	STRING	False
Voltage Rating (DC)	50V	STRING	False
Resistor Type	Thick Film	STRING	False
Number of Terminations	2	STRING	False
Termination	SMD/SMT	STRING	False
Max Power Dissipation	100mW	STRING	False
Temperature Coefficient	100ppm/C	STRING	False
Working Voltage	75V	STRING	False
Features	Moisture Resistant	STRING	False
Series	RC	STRING	False
Resistance Tolerance	5%	STRING	False
Construction	Rectangular	STRING	False
Technology	THICK FILM	STRING	False
Length	1.6mm	STRING	False
Width	0.8mm	STRING	False
Height	0.022inch	STRING	False

Depth	0.8mm	STRING	False
REACH SVHC	Unknown	STRING	False
Military Standard	Not	STRING	False
Lead Free	Lead Free	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453056.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453056.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453056.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453056.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453057.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453057.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink2Description	<a href="https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453057.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453057.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink3URL	<a href="https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453055.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453055.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink3Description	<a href="https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453055.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2453/pyu-r-int-thick-7-2453055.pdf?src=supplier=Digi-Key</a>	STRING	False
Supplier Part Number 1	311-560KGRCT-ND	STRING	False
Resistance	560kR	STRING	True
Comment	RC0603JR-07560KL	STRING	True

## Models

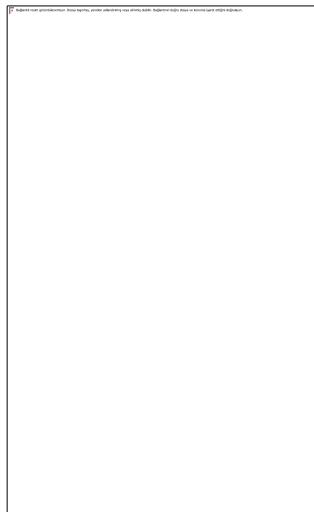
	<b>Model Name</b> R0603
	<b>Model Type</b> Footprint
	<b>Description</b>
	<b>Height</b> 0mil
	<b>Dimension</b> 204.66mil x 43.307mil
	<b>Number of Pads</b> 2
	<b>Number of Primitives</b> 22

	<b>Library Reference</b> RFID-RC522
	<b>Description</b> RFID-RC522 Card Reader Module
	<b>Kind</b> Standard
	<b>Aliases</b> Component has no aliases
	<b>Designator</b> U?
	<b>Number of Parameters</b> 1
	<b>Number of Pins</b> 8
	<b>Number of Models</b> 1

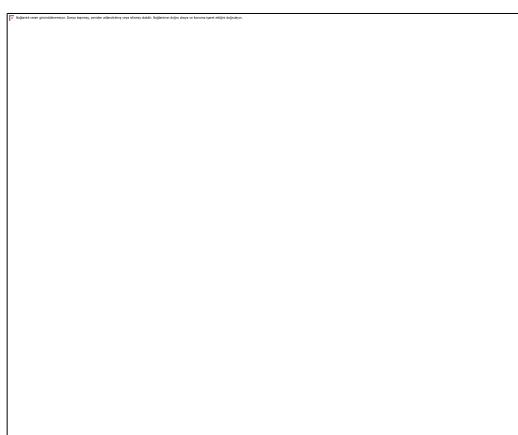
## Parameters

Name	Value	Type	Visible
Comment	RFID-RC522	STRING	False

## Models



<b>Model Name</b>	RFID-RC522
<b>Model Type</b>	Footprint
<b>Description</b>	RFID reader PCB module with antenna
<b>Height</b>	0mil
<b>Dimension</b>	1585mil x 2380mil
<b>Number of Pads</b>	8
<b>Number of Primitives</b>	44

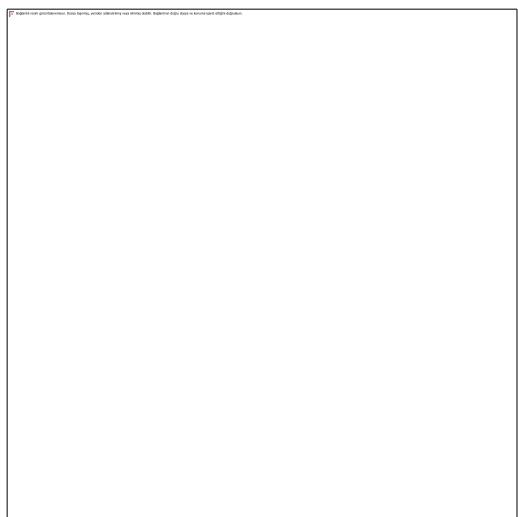


<b>Library Reference</b>	RGB LED
<b>Description</b>	RGB LED Common Anode
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	D?
<b>Number of Parameters</b>	6
<b>Number of Pins</b>	4
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Value	Green	STRING	False
Manufacturer Code	LGN971	STRING	False
Farnell Code	1226371	STRING	False
Manufacturer	OSRAM	STRING	False
Unit Price	0,127	STRING	False
Comment	*	STRING	False

## Models



<b>Model Name</b>	RGB LED
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	226.206mil x 238.254mil
<b>Number of Pads</b>	4
<b>Number of Primitives</b>	8



<b>Library Reference</b>	RL800 12V 80A
<b>Description</b>	Mini R□□12V 80A G碰□□i 4 Fili └ T□ RL800
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	K?
<b>Number of Parameters</b>	3
<b>Number of Pins</b>	4
<b>Number of Models</b>	1

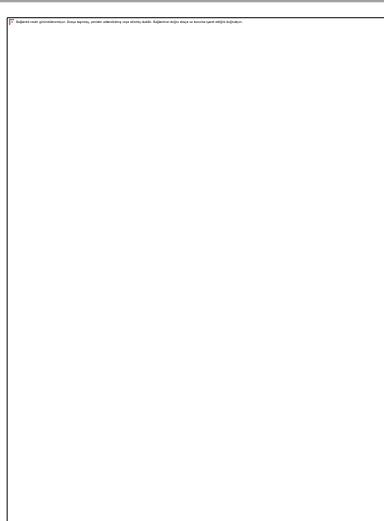
## Parameters

Name	Value	Type	Visible
ComponentLink1Description	New link	STRING	False
ComponentLink1URL	<a href="https://urun.n11.com/role/mini-role-12v-80a-guc-rolesi-4-fisli-ustun-rl800-P368080847">https://urun.n11.com/role/mini-role-12v-80a-guc-rolesi-4-fisli-ustun-rl800-P368080847</a>	STRING	False
Comment	Relay	STRING	False

## Models


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<b>Model Name</b>	<b>RL800 12V 80A</b>
<b>Model Type</b>	Footprint
<b>Description</b>	Mini R <sup>0.012</sup> 12V 80A G <sup>0.012</sup> i 4 Fili T <sup>0.012</sup> RL800
<b>Height</b>	0mil
<b>Dimension</b>	1089.685mil x 1124.685mil
<b>Number of Pads</b>	4
<b>Number of Primitives</b>	13


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#### Library Reference **SSM3K357R,LF**

<b>Description</b>	Trans MOSFET N-CH Si 60V 0.65A Automotive 3-Pin SOT-23F T/R
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	Q?
<b>Number of Parameters</b>	15
<b>Number of Pins</b>	3
<b>Number of Models</b>	1

#### Parameters

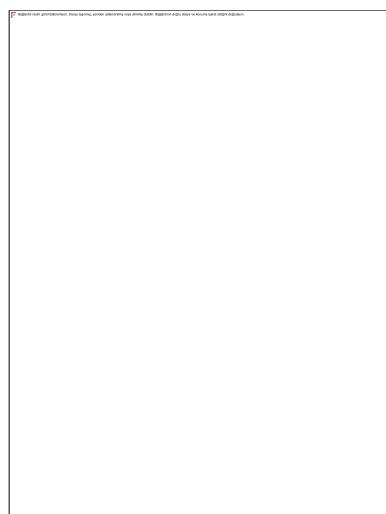
Name	Value	Type	Visible
Supplier 1	Digi-Key	STRING	False
Manufacturer	Toshiba	STRING	False
Manufacturer Part Number	SSM3K357R,LF	STRING	False
RoHS	No	STRING	False
Pricing 1	1=0.41000, 10=0.33600, 100=0.22880, 500=0.17160, 1000=0.12870 (USD)	STRING	False
ComponentLink1URL	<a href="https://toshiba.semicon-storage.com/info/docget.jsp?did=59207&amp;prodName=SSM3K357R&amp;src-supplier=Digi-Key">https://toshiba.semicon-storage.com/info/docget.jsp?did=59207&amp;prodName=SSM3K357R&amp;src-supplier=Digi-Key</a>	STRING	False
ComponentLink1Description	<a href="https://toshiba.semicon-storage.com/info/docget.jsp?did=59207&amp;prodName=SSM3K357R&amp;src-supplier=Digi-Key">https://toshiba.semicon-storage.com/info/docget.jsp?did=59207&amp;prodName=SSM3K357R&amp;src-supplier=Digi-Key</a>	STRING	False
Supplier Part Number 1	SSM3K357RLFDKR-ND	STRING	False
Designed By	Sleyman ARIKAYA	STRING	False
Supplier 2	Digi-Key	STRING	False

Pricing 2	1=0.41000, 10=0.33600, 100=0.22880, 500=0.17160, 1000=0.12870 (USD)	STRING	False
Supplier Part Number 2	SSM3K357RLFCT-ND	STRING	False
Case/Package	SOT-23F	STRING	False
Number of Pins	3	STRING	False
Comment	SSM3K357R,LF	STRING	False

## Models



<b>Model Name</b>	<b>SOT-23F</b>
<b>Model Type</b>	Footprint
<b>Description</b>	SOT-23-3
<b>Height</b>	0mil
<b>Dimension</b>	409.322mil x 137.795mil
<b>Number of Pads</b>	3
<b>Number of Primitives</b>	19



### Library Reference SSR\_DA

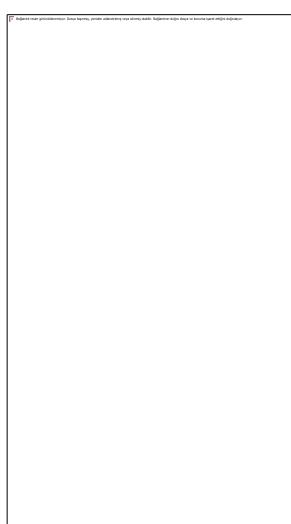
<b>Description</b>	
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	U?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models

<b>Model Name</b>	<b>SSR-25 DA</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	2603.992mil x 1779.527mil
<b>Number of Pads</b>	4
<b>Number of Primitives</b>	12

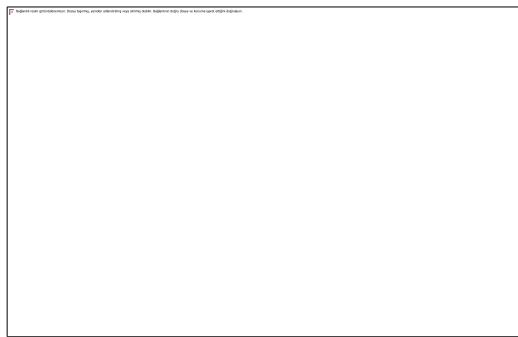


<b>Library Reference</b>	<b>STM32F101</b>
<b>Description</b>	STM32F101 48PIN MICROPROCESSOR
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	U?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	48
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models



<b>Model Name</b>	<b>LQPF48_STM</b>
<b>Model Type</b>	Footprint
<b>Description</b>	TSQFP, 48-Leads, Body 7.00x7.00mm, Pitch 0.50mm, IPC Medium Density
<b>Height</b>	62.992mil
<b>Dimension</b>	619.806mil x 413.386mil
<b>Number of Pads</b>	48
<b>Number of Primitives</b>	62

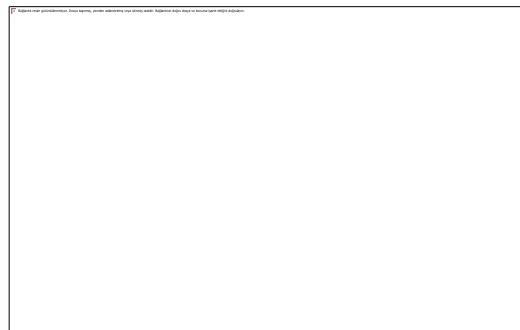
<b>Library Reference</b>	<b>STM32F103C6T6A</b>
<b>Description</b>	MCU 32-bit STM32F ARM Cortex M3 RISC 32KB Flash 2.5V/3.3V 48-Pin LQFP Tray
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	U?
<b>Number of Parameters</b>	52
<b>Number of Pins</b>	48
<b>Number of Models</b>	1

## Parameters

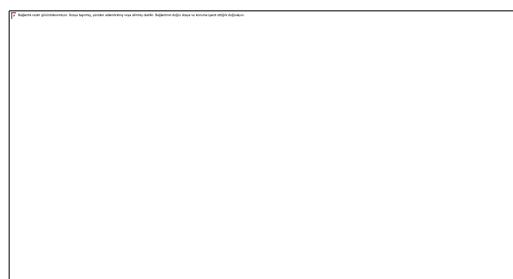
Name	Value	Type	Visible
Manufacturer	STMicroelectronics	STRING	False
Manufacturer Part Number	STM32F103C6T6A	STRING	False
RoHS	Yes	STRING	False
Category	Microcontrollers	STRING	False
Pricing 1	1=7.21000, 10=6.47900, 25=6.12520, 80=5.30850, 250=5.03628, 500=4.53720 (USD)	STRING	False
Case/Package	LQFP	STRING	False
Number of Pins	48	STRING	False
Weight	0.006409oz	STRING	False
Min Operating Temperature	-40C	STRING	False
Max Operating Temperature	85C	STRING	False
Package Quantity	1500	STRING	False
Packaging	Tray	STRING	False
Number of Timers/Counters	3	STRING	False
Max Supply Voltage	3.6V	STRING	False
Frequency	72MHz	STRING	False
Interface	I2C,SPI,USART	STRING	False
RAM Size	10KB	STRING	False
Max Power Dissipation	363mW	STRING	False
Number of I/Os	37	STRING	False
Min Supply Voltage	2V	STRING	False
Oscillator Type	Internal	STRING	False
Data Bus Width	32b	STRING	False
Max Frequency	72MHz	STRING	False
Number of Programmable I/O	37	STRING	False
Watchdog Timer	Yes	STRING	False
Memory Type	FLASH	STRING	False

Memory Size	32KB	STRING	False
Peripherals	POR,PWM,WDT,DMA,Temp Sensor,I2C	STRING	False
Core Architecture	ARM	STRING	False
Series	STM32F103C6	STRING	False
Number of ADC Channels	10	STRING	False
Number of SPI Channels	1	STRING	False
Number of I2C Channels	1	STRING	False
Address Bus Width	32b	STRING	False
Length	7mm	STRING	False
Width	7mm	STRING	False
Height	1.4mm	STRING	False
Radiation Hardening	No	STRING	False
Lead Free	Lead Free	STRING	False
REACH SVHC	No SVHC	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/15122/getdatasheetpartid-69879-15122075.pdf?src=supplier=Verical">https://datasheet.ciiva.com/15122/getdatasheetpartid-69879-15122075.pdf?src=supplier=Verical</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/15122/getdatasheetpartid-69879-15122075.pdf?src=supplier=Verical">https://datasheet.ciiva.com/15122/getdatasheetpartid-69879-15122075.pdf?src=supplier=Verical</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/14100/pustm-arm-microcont-stm32f103-en-14100507.pdf?src=supplier=Distrelec">https://datasheet.ciiva.com/14100/pustm-arm-microcont-stm32f103-en-14100507.pdf?src=supplier=Distrelec</a>	STRING	False
ComponentLink2Description	<a href="https://datasheet.ciiva.com/14100/pustm-arm-microcont-stm32f103-en-14100507.pdf?src=supplier=Distrelec">https://datasheet.ciiva.com/14100/pustm-arm-microcont-stm32f103-en-14100507.pdf?src=supplier=Distrelec</a>	STRING	False
Supplier 1	Digi-Key	STRING	False
Supplier 2	Avnet	STRING	False
Pricing 2	1500=3.36917, 3000=3.30110, 6000=3.23304, 9000=3.16498, 12000=3.09691, 15000=3.02885, 150000=2.96078 (USD)	STRING	False
Designed By	Sleyman ARIKAYA	STRING	False
Supplier Part Number 1	497-11515-ND	STRING	False
Supplier Part Number 2	STM32F103C6T6A	STRING	False
Comment	STM32F103C6T6A	STRING	False

## Models



<b>Model Name</b>	LQFP-48
<b>Model Type</b>	Footprint
<b>Description</b>	7mmx7mm
<b>Height</b>	0mil
<b>Dimension</b>	619.806mil x 397.638mil
<b>Number of Pads</b>	50
<b>Number of Primitives</b>	73

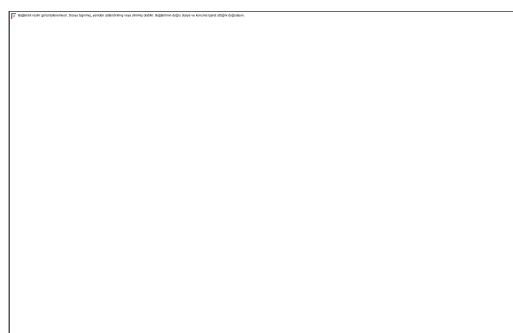


<b>Library Reference</b>	Switch Dip-4
<b>Description</b>	
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	S?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	4
<b>Number of Models</b>	1

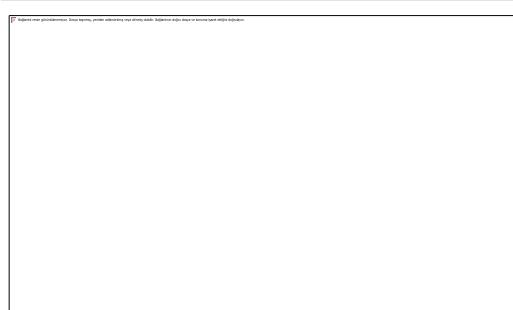
## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models



<b>Model Name</b>	DIP-4 - SWITCH
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	619.806mil x 257.874mil
<b>Number of Pads</b>	4
<b>Number of Primitives</b>	19



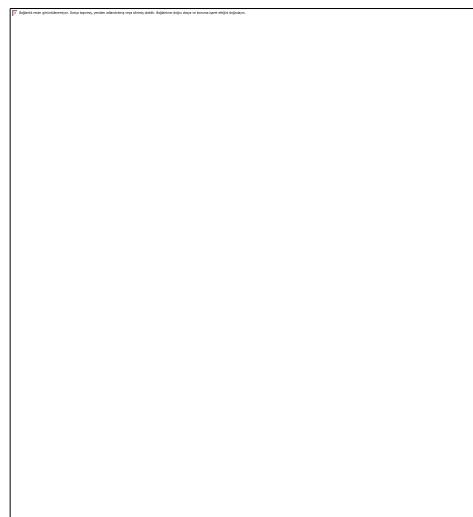
<b>Library Reference</b>	TBP01R1-508-02BE
<b>Description</b>	Conn Shrouded Header HDR 2 POS 5.08mm Solder RA Side Entry Thru-Hole Bag
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	J?
<b>Number of Parameters</b>	19
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

## Parameters

Name	Value	Type

Value	*	STRING
MP	TBP01R1-508-02BE	STRING
Package	None	STRING
SnapEDA_Link	<a href="https://www.snapeda.com/parts/TBP01R1-508-02BE/CUI%20Devices/view-part/3604164/?ref=snap">https://www.snapeda.com/parts/TBP01R1-508-02BE/CUI%20Devices/view-part/3604164/?ref=snap</a>	STRING
CUI_purchase_URL	<a href="https://www.cuidevices.com/product/interconnect/connectors/terminal-blocks/tbp01r1-508-series?utm_source=snapeda.com&amp;utm_medium=referral&amp;utm_campaign=snapedaBOM">https://www.cuidevices.com/product/interconnect/connectors/terminal-blocks/tbp01r1-508-series?utm_source=snapeda.com&amp;utm_medium=referral&amp;utm_campaign=snapedaBOM</a>	STRING
Price	None	STRING
MF	CUI Devices	STRING
Availability	Unavailable	STRING
Supplier 1	Digi-Key	STRING
Manufacturer	CUI Devices	STRING
Manufacturer Part Number	TBP01R1-508-02BE	STRING
RoHS	Yes	STRING
Category	Terminal Blocks	STRING
Stock 1	54144	STRING
Pricing 1	1=0.59000, 10=0.30800, 25=0.21800, 50=0.18560, 100=0.17900, 400=0.15135, 800=0.13020, 1200=0.12369, 5200=0.09439 (USD)	STRING
Supplier Part Number 1	102-6406-ND	STRING
Designed By	Sleyman ARIKAYA	STRING
Case/Package	TBP01R1-508-02BE	STRING
Comment	TBP01R1-508-02BE	STRING

## Models



<b>Model Name</b>	<b>TBP01R1-508-02BE</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	470.866mil x 509.842mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	19

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<b>Library</b>	Terminal2
<b>Reference</b>	
<b>Description</b>	
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	P?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

**Library** Terminal2  
**Reference**  
**Description**  
**Kind** Standard  
**Aliases** Component has no aliases  
**Designator** P?  
**Number of Parameters** 1  
**Number of Pins** 2  
**Number of Models** 1

## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models

<b>Model Name</b>	TERM3AL2
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	619.806mil x 304.874mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	8

**Model Name** TERM3AL2  
**Model Type** Footprint  
**Description**  
**Height** 0mil  
**Dimension** 619.806mil x 304.874mil  
**Number of Pads** 2  
**Number of Primitives** 8

<b>Library</b>	Terminal3
<b>Reference</b>	
<b>Description</b>	
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	P?
<b>Number of Parameters</b>	1
<b>Number of Pins</b>	3
<b>Number of Models</b>	1

**Library** Terminal3  
**Reference**  
**Description**  
**Kind** Standard  
**Aliases** Component has no aliases  
**Designator** P?  
**Number of Parameters** 1  
**Number of Pins** 3  
**Number of Models** 1

## Parameters

Name	Value	Type	Visible
Comment	*	STRING	True

## Models

	<b>Model Name</b> TERM3AL3 <b>Model Type</b> Footprint <b>Description</b> <b>Height</b> 0mil <b>Dimension</b> 619.806mil x 302.874mil <b>Number of Pads</b> 3 <b>Number of Primitives</b> 12
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	<b>Library Reference</b> TFPT1206L1002FM <b>Description</b> Thermistor PTC 10K Ohm 1% 1206 <b>Kind</b> Standard <b>Aliases</b> Component has no aliases <b>Designator</b> RT? <b>Number of Parameters</b> 33 <b>Number of Pins</b> 2 <b>Number of Models</b> 1
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## Parameters

Name	Value	Type	Visible
Supplier 1	Digi-Key	STRING	False
Manufacturer	Vishay Dale	STRING	False
Manufacturer Part Number	TFPT1206L1002FM	STRING	False
RoHS	Yes	STRING	False
Category	Thermistors	STRING	False
Stock 1	20194	STRING	False
Pricing 1	1=1.41000, 5=1.35600, 10=1.10100, 25=0.94880, 50=0.82160, 100=0.74540, 500=0.62678, 1000=0.55902 (USD)	STRING	False
Mount	Surface Mount	STRING	False
Case/Package	RES1206	STRING	False
Number of Pins	2	STRING	False
Min Operating Temperature	-55C	STRING	False
Max Operating Temperature	125C	STRING	False
Packaging	Tape and Reel	STRING	False

Package Quantity	5000	STRING	False
Tolerance	1%	STRING	False
Resistance	10kR	STRING	False
Power Rating	125mW	STRING	False
Max Power Dissipation	125mW	STRING	False
Termination	SMD/SMT	STRING	False
Voltage	40V	STRING	False
Series	TFPT	STRING	False
Resistance Tolerance	1%	STRING	False
Length	3.2mm	STRING	False
Width	1.6mm	STRING	False
Height	0.55mm	STRING	False
Depth	1.6mm	STRING	False
Lead Free	Lead Free	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/2852/tfpt-2852076.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2852/tfpt-2852076.pdf?src=supplier=Digi-Key</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/2852/tfpt-2852076.pdf?src=supplier=Digi-Key">https://datasheet.ciiva.com/2852/tfpt-2852076.pdf?src=supplier=Digi-Key</a>	STRING	False
Designed By	Sleyman ARIKAYA	STRING	False
Supplier Part Number 1	541-3533-1-ND	STRING	False
Comment	TFPT1206L1002FM	STRING	True

## Models



<b>Model Name</b>	R1206
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	165.354mil x 74.803mil
<b>Number of Pads</b>	2
<b>Number of Primitives</b>	16

<b>Library Reference</b>	<b>TRKP 12V 40A</b>
<b>Description</b>	TRKP L-S-Z1/12VDC - RELAY 40A 12VDC FORMC
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	K?
<b>Number of Parameters</b>	3
<b>Number of Pins</b>	7
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
ComponentLink1Description	New link	STRING	False
ComponentLink1URL	<a href="https://ozdisan.com/elektromekanik-komponentler/roleler-ve-role-soketleri/genel-tip-roleler/TRKP-L-S-Z112VDC">https://ozdisan.com/elektromekanik-komponentler/roleler-ve-role-soketleri/genel-tip-roleler/TRKP-L-S-Z112VDC</a>	STRING	False
Comment	Relay	STRING	False

## Models

<b>Model Name</b>	<b>TRKP 12V 40A</b>
<b>Model Type</b>	Footprint
<b>Description</b>	TRKP L-S-Z1/12VDC - RELAY 40A 12VDC FORMC
<b>Height</b>	0mil
<b>Dimension</b>	1094.685mil x 901.457mil
<b>Number of Pads</b>	7
<b>Number of Primitives</b>	13

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<b>Library Reference</b>	USB Protection TVS
<b>Description</b>	TVS DIODE 5.25V 17VC SOT23-6L
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	D?
<b>Number of Parameters</b>	60
<b>Number of Pins</b>	6
<b>Number of Models</b>	1

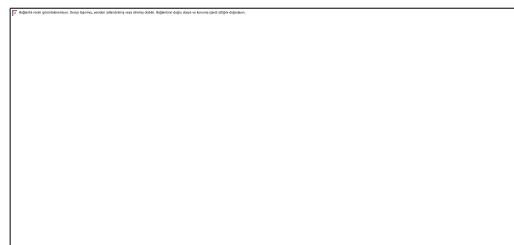
## Parameters

Name	Value	Type	Visible
Designed By	Sleyman ARIKAYA	STRING	False
Supplier 1	Digi-Key	STRING	False
Manufacturer	STMicroelectronics	STRING	False
Manufacturer Part Number	USBLC6-2SC6	STRING	False
RoHS	Yes	STRING	False
Category	TVS Diodes	STRING	False
Pricing 1	1=0.63000, 10=0.54200, 100=0.40440, 500=0.31774, 1000=0.24553 (USD)	STRING	False
Mount	Surface Mount	STRING	False
Case/Package	SOT23-6L	STRING	False
Number of Pins	6	STRING	False
Contact Plating	Tin,Matte	STRING	False
Min Operating Temperature	-40C	STRING	False
Max Operating Temperature	125C	STRING	False
Direction	Unidirectional,Bidirectional	STRING	False
Capacitance	3.5pF	STRING	False
Operating Supply Voltage	1.1V	STRING	False
Packaging	Tape and Reel	STRING	False
Package Quantity	3000	STRING	False
Number of Channels	2	STRING	False
Breakdown Voltage	6V	STRING	False
Clamping Voltage	17V	STRING	False
Termination	SMD/SMT	STRING	False
Number of Bidirectional Channels	2	STRING	False
Reverse Standoff Voltage	5.25V	STRING	False
Min Breakdown Voltage	6V	STRING	False
Power Line Protection	Yes	STRING	False

ESD Protection	Yes	STRING	False
Test Current	1mA	STRING	False
Max Reverse Leakage Current	150nA	STRING	False
Leakage Current	150nA	STRING	False
Peak Pulse Current	5A	STRING	False
Element Configuration	Dual	STRING	False
Series	USB	STRING	False
Data Rate	480Mbps	STRING	False
Number of Elements	1	STRING	False
Reverse Breakdown Voltage	6V	STRING	False
Polarity	Unidirectional,Bidirectional	STRING	False
Working Voltage	5V	STRING	False
Max Breakdown Voltage	6V	STRING	False
Clamping Voltage-Max	17V	STRING	False
Length	3.05mm	STRING	False
Width	1.75mm	STRING	False
Height	1.3mm	STRING	False
Depth	1.75mm	STRING	False
Radiation Hardening	No	STRING	False
REACH SVHC	No SVHC	STRING	False
Lead Free	Lead Free	STRING	False
RoHS Compliant	Yes	STRING	False
ComponentLink1URL	<a href="https://datasheet.ciiva.com/1268/1690354-1268384.pdf?src=supplier=Element14">https://datasheet.ciiva.com/1268/1690354-1268384.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink1Description	<a href="https://datasheet.ciiva.com/1268/1690354-1268384.pdf?src=supplier=Element14">https://datasheet.ciiva.com/1268/1690354-1268384.pdf?src=supplier=Element14</a>	STRING	False
ComponentLink2URL	<a href="https://datasheet.ciiva.com/4508/cd00050750-113117-4508433.pdf?src=supplier=Mouser">https://datasheet.ciiva.com/4508/cd00050750-113117-4508433.pdf?src=supplier=Mouser</a>	STRING	False
ComponentLink2Description	<a href="https://datasheet.ciiva.com/4508/cd00050750-113117-4508433.pdf?src=supplier=Mouser">https://datasheet.ciiva.com/4508/cd00050750-113117-4508433.pdf?src=supplier=Mouser</a>	STRING	False
ComponentLink3URL	<a href="https://datasheet.ciiva.com/15143/getdatasheetpartid-148465-15143789.pdf?src=supplier=Verical">https://datasheet.ciiva.com/15143/getdatasheetpartid-148465-15143789.pdf?src=supplier=Verical</a>	STRING	False
ComponentLink3Description	<a href="https://datasheet.ciiva.com/15143/getdatasheetpartid-148465-15143789.pdf?src=supplier=Verical">https://datasheet.ciiva.com/15143/getdatasheetpartid-148465-15143789.pdf?src=supplier=Verical</a>	STRING	False
ComponentLink4URL	<a href="https://datasheet.ciiva.com/16200/cd00050750-16200026.pdf?src=supplier=Future+Electronics">https://datasheet.ciiva.com/16200/cd00050750-16200026.pdf?src=supplier=Future+Electronics</a>	STRING	False
ComponentLink4Description	<a href="https://datasheet.ciiva.com/16200/cd00050750-16200026.pdf?src=supplier=Future+Electronics">https://datasheet.ciiva.com/16200/cd00050750-16200026.pdf?src=supplier=Future+Electronics</a>	STRING	False
ComponentLink5URL	<a href="https://datasheet.ciiva.com/41444/001184109-da-01-en-ic-esd-protecti-usblc6-2sc6-sot-23-6-stm-41444156.pdf?src=supplier=Conrad">https://datasheet.ciiva.com/41444/001184109-da-01-en-ic-esd-protecti-usblc6-2sc6-sot-23-6-stm-41444156.pdf?src=supplier=Conrad</a>	STRING	False
ComponentLink5Description	<a href="https://datasheet.ciiva.com/41444/001184109-da-01-en-ic-esd-protecti-usblc6-2sc6-sot-23-6-stm-41444156.pdf?src=supplier=Conrad">https://datasheet.ciiva.com/41444/001184109-da-01-en-ic-esd-protecti-usblc6-2sc6-sot-23-6-stm-41444156.pdf?src=supplier=Conrad</a>	STRING	False
Supplier Part Number 1	497-5235-1-ND	STRING	False

Comment	USBLC6-2SC6	STRING	True
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## Models



<b>Model Name</b>	<b>SOT23-6L</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	330.607mil x 149.606mil
<b>Number of Pads</b>	6
<b>Number of Primitives</b>	30



<b>Library Reference</b>	<b>XT60PW-M</b>
<b>Description</b>	XT60PW-M
<b>Kind</b>	Standard
<b>Aliases</b>	Component has no aliases
<b>Designator</b>	J?
<b>Number of Parameters</b>	8
<b>Number of Pins</b>	2
<b>Number of Models</b>	1

## Parameters

Name	Value	Type	Visible
SnapEDA_Link	<a href="https://www.snapeda.com/parts/XT60PW-M%20/AMASS/view-part/3075559/?ref=snap">https://www.snapeda.com/parts/XT60PW-M%20/AMASS/view-part/3075559/?ref=snap</a>	STRING	False
MP	XT60PW-M	STRING	False
Availability	Unavailable	STRING	False
Price	None	STRING	False
Value	*	STRING	False
MF	AMASS	STRING	False
Package	Package Analog Devices	STRING	False
Comment	*	STRING	True

## Models

<b>Model Name</b>	<b>AMASS_XT60PW-M</b>
<b>Model Type</b>	Footprint
<b>Description</b>	
<b>Height</b>	0mil
<b>Dimension</b>	631.89mil x 764.764mil
<b>Number of Pads</b>	4
<b>Number of Primitives</b>	21