Object	Property Name	Property Value
_	Name	100659
	Bounding Box Left	396
	Bounding Box Right	458
	Bounding Box Top	450
Button Reset	Bounding Box Bottom	459
	Text	Button Reset
	Text Location X-Coordinate	396
	Text Location Y-Coordinate	450
	Font	Courier New
Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 507 )	Name	3V3
	•	
Object	Property Name	Property Value
5V : 5V (Wire ID = 511 )	IREF	P[1,2,4]
5v . 5v (vviie iD = 511 )	Name	5V
		, <del>-</del>
Object	Property Name	Property Value
5V : 5V (Wire ID = 513 )	IREF	P[1,2,4]
5V . 5V (Wile ID = 513)	Name	5V
Object	Property Name	Property Value
5V : 5V (Wire ID = 515 )	IREF	P[1,2,4]
3V . 3V (Wile ID = 313)	Name	5V
Object	Property Name	Property Value
5V : 5V (Wire ID = 517 )	IREF	P[1,2,4]
3V : 3V (Wile ID = 317 )	Name	5V
Object	Property Name	Property Value
	IREF	P[1,2,4]
5V : 5V (Wire ID = 519 )	Name	5V
Object	Property Name	Property Value
5V : 5V (Wire ID = 521 )	IREF	P[1,2,4]
5V : 5V (Wife ID = 521 )	Name	5V
		1 **
Object	Property Name	Property Value
5V : 5V (Wire ID = 525 )	IREF	P[1,2,4]
ov : ov (wire ID = 525 )	Name	5V
	Ivallic	JV
Object	Property Name	Property Value
	IREF	P[1,2,4]
5V : 5V (Wire ID = 527 )		
	Name	5V
Object	Property Name	Droporty Volum
Object		Property Value
AD0 : AD0 (Wire ID = 529 )	IREF	P[1]
	I Namo	I Δ1 I/1

Name

AD0

Object	Property Name	Property Value
AD0 : AD0 (Wire ID = 531 )	IREF	P[1]
	Name	AD0
Object	Property Name	Property Value
AD1 : AD1 (Wire ID = 533 )	IREF	P[1]
	Name	AD1
Object	Property Name	Property Value
AD1 : AD1 (Wire ID = 535 )	IREF	P[1]
	Name	AD1
Object	Property Name	Property Value
AD2 : AD2 (Wire ID = 537 )	IREF	P[1]
ADZ : ADZ (WIII ID = 337 )	Name	AD2
		<del>.</del>
Object	Property Name	Property Value
AD2 : AD2 (Wire ID = 539 )	IREF	P[1]
AD2 : AD2 (WIRE ID = 539 )	Name	AD2
	•	<u>.</u>
Object	Property Name	Property Value
	IREF	P[1]
AD3 : AD3 (Wire ID = 541 )	Name	AD3
	<b>-</b>	
Object	Property Name	Property Value
	IREF	P[1]
AD3 : AD3 (Wire ID = 543 )	Name	AD3
	•	•
Object	Proporty Namo	Proporty Value
Object AD6 : AD6 (Wire ID = 545 )	Property Name	Property Value
· · · · · · · · · · · · · · · · · · ·	Name	ADO
Object AD7 : AD7 (Wire ID = 547)	Property Name	Property Value
7.57 (1.110 15 = 0 17 )	Name	AD7
Object	Property Name	Property Value
CS : CS (Wire ID = 549 )	IREF	P[1]
	Name	CS
Object	Property Name	Property Value
GND : GND (Wire ID = 551 )	IREF	P[1,2,4,5]
	Name	GND
Ohio	Property Name	Property Value
Object		
GND : GND (Wire ID = 553 )	IREF Name	P[1,2,4,5] GND

Object	Property Name	Property Value
GND : GND (Wire ID = 555 )	IREF	P[1,2,4,5]
	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 557 )	IREF	P[1,2,4,5]
` '	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 559 )	IREF	P[1,2,4,5]
	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 561 )	IREF	P[1,2,4,5]
, ,	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 563 )	IREF	P[1,2,4,5]
	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 565 )	IREF	P[1,2,4,5]
CH2 : CH2 (Hill I2 = 000 )	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 569 )	IREF	P[1,2,4,5]
, ,	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 571 )	IREF	P[1,2,4,5]
, ,	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 573 )	IREF	P[1,2,4,5]
, ,	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 575 )	IREF	P[1,2,4,5]
G.12 : G.12 (11 : ) = 0.0 )	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 577 )	IREF	P[1,2,4,5]
ONE : ONE (WIIO IE = 077 )	Name	GND
3.6. 3.6 (Mile 15 - 5.77)		GND
	Name	
Object		Property Value P[1,2,4,5]
	Name Property Name	Property Value

Object	Property Name	Property Value
GND : GND (Wire ID = 581 )	IREF	P[1,2,4,5]
	Name	GND
Object	Property Name	Property Value
IO10 : IO10 (Wire ID = 585 )	IREF	P[1]
1010 : 1010 (Wile ID = 000)	Name	IO10
Object	Property Name	Property Value
IO11 : IO11 (Wire ID = 587 )	IREF	P[1]
	Name	IO11
Object	Property Name	Property Value
IO12 : IO12 (Wire ID = 589 )	Name	IO12
Object	Property Name	Property Value
IO13 : IO13 (Wire ID = 591 )	Name	1013
	•	·
Object	Property Name	Property Value
IO2 : IO2 (Wire ID = 593 )	IREF	P[1]
102 : 102 (Wife ID = 393 )	Name	IO2
Object	Property Name	Property Value
IO3 : IO3 (Wire ID = 595 )	IREF	P[1]
100 : 100 (1110 12 = 000 )	Name	103
Object	Property Name	Property Value
IO4 : IO4 (Wire ID = 597 )	Name	104
Object	Property Name	Property Value
IO5 : IO5 (Wire ID = 599 )	IREF	P[1]
	Name	IO5
Object	Property Name	Property Value
IO6 : IO6 (Wire ID = 601 )	IREF	P[1]
	Name	106
Object	Property Name	Property Value
IO7 : IO7 (Wire ID = 603 )	Name	107
Object	Property Name	Property Value
IO8 : IO8 (Wire ID = 605 )	IREF	P[1,3]
/	Name	108
Object	Property Name	Property Value
IO9 : IO9 (Wire ID = 607 )	IREF	P[1]
the state of the s	Name	IO9

Object	Property Name	Property Value	
MISO : MISO (Wire ID = 609)	IREF	P[1]	
	Name	MISO	
Object	Property Name	Property Value	
MOSI : MOSI (Wire ID = 611 )	IREF Name	P[1] MOSI	
	ivallie	IVIOSI	
Ohioat	December Name	Dramantu Valua	
Object Object	Property Name	Property Value	
RST : RST (Wire ID = 615 )	Name	RST	
Object	Property Name	Property Value	
RST : RST (Wire ID = 617 )	IREF	P[1]	
	Name	RST	
Object	Property Name	Property Value	
RST : RST (Wire ID = 619 )	IREF	P[1]	
	Name	RST	
Object	Property Name	Property Value	
RST : RST (Wire ID = 621 )	IREF	P[1]	
	Name	RST	
	12	Γ	
Object	Property Name	Property Value	
RST: RST (Wire ID = 623)	IREF Name	P[1] RST	
Object	Property Name	Property Value	
SCK : SCK (Wire ID = 625 )	IREF	P[1]	
30K : 30K (WIIE ID = 023 )	Name	SCK	
Object	Property Name	Property Value	
SCL : SCL (Wire ID = 627)	IREF	P[1]	
	Name	SCL	
Object	Property Name	Property Value	
SCL : SCL (Wire ID = 629 )	IREF	P[1]	
	Name	SCL	
Ohioat	December Name	Dromouts Value	
Object	Property Name	P[1]	
SDA : SDA (Wire ID = 631 )	Name	SDA	
Object	Property Name	Property Value	
SDA : SDA (Wire ID = 633 )	IREF	P[1]	_
3DA . 3DA (WITE ID = 033 )			

Object	Property Name	Property Value	
USB_RX : USB_RX (Wire ID = 635 )	IREF	P[1]	
USD_RX : USD_RX (Wile ID = 000 )	Name	USB_RX	
Object	Property Name	Property Value	
USB_RX : USB_RX (Wire ID = 637 )	IREF	P[1]	
	Name	USB_RX	
Object	Property Name	Property Value	
USB_TX : USB_TX (Wire ID = 639 )	IREF	P[1]	
	Name	USB_TX	
Object	Property Name	Property Value	
	IREF	P[1]	
USB_TX : USB_TX (Wire ID = 641 )	Name	USB_TX	
	110110		
Object	Bronorty Namo	Dranarty Value	
Object XTAL1 : XTAL1 (Wire ID = 643)	Property Name	Property Value	
XIII. (1110.12 1117)	Name	XTAL1	
Object	Property Name	Property Value	
XTAL1 : XTAL1 (Wire ID = 645 )	Name	XTAL1	
Object	Property Name	Property Value	
XTAL2 : XTAL2 (Wire ID = 651 )	Name	XTAL2	
Object	Property Name	Property Value	
XTAL2 : XTAL2 (Wire ID = 653)	Name	XTAL2	
Object	Property Name	Property Value	
	Name	GND	
GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBO	JARD\DONE
	Source Symbol	GND	
	OriginalSymbolOrigin	(-10,0)	
Object	Property Name	Property Value	
	Name	5V	
5V	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBO	JARD\DONE
	Source Symbol	VCC	
	OriginalSymbolOrigin	(-10,10)	
Obiect	Property Name	Property Value	
Object	Property Name	Property Value	
			ARD\DONE
<b>Object</b> GND	Name	GND	ARD\DONE

Object	Property Name	Property Value	
	Name	GND	
GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE	VELOPBOARD\DON
	Source Symbol	GND	
	OriginalSymbolOrigin	(-10,0)	]
Object	Property Name	Property Value	1
	Name	GND	
GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE	VELOPBOARD\DON
	Source Symbol	GND	
	OriginalSymbolOrigin	(-10,0)	]
Object	Property Name	Property Value	1
	Name	5V	
5V	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE	VELOPBOARD\DON
•	Source Symbol	VCC	1
	OriginalSymbolOrigin	(-10,10)	]
Object	Property Name	Property Value	]
	Name	GND	
GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE	VELOPBOARD\DON
	Source Symbol	GND	
	OriginalSymbolOrigin	(-10,0)	
Object	Property Name	Property Value	]
-	Name	3V3	
3V3	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE	VELOPBOARD\DON
	Source Symbol	VCC	
	OriginalSymbolOrigin	(-10,10)	]
Object	Property Name	Property Value	]
	Name	GND	
GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE	VELOPBOARD\DON
	Source Symbol	GND	
	OriginalSymbolOrigin	(-10,0)	J
Object	Property Name	Property Value	]
RST : RST	Name	RST	
	Net ID	4288	]
Object	Property Name	Property Value	]
102 : 102	Name	IO2	l
	Net ID	4244	J
Object	Property Name	Property Value	]
103 : 103	Name	IO3	
	Net ID	4233	J
Object	Property Name	Property Value	]
<b>Object</b> IO4 : IO4	Property Name Name	Property Value	

4291

Net ID

Object	Property Name	Property Value
105 : 105	Name	105
	Net ID	4220
Object	Property Name	Property Value
SDA : SDA	Name	SDA
	Net ID	4302
Object	Property Name	Property Value
SCL : SCL	Name	SCL
	Net ID	4292
Object	Property Name	Property Value
AD2 : AD2	Name	AD2
	Net ID	4279
Object	Property Name	Property Value
AD1 : AD1	Name	AD1
	Net ID	4286
Object	Property Name	Property Value
AD0 : AD0	Name	AD0
	Net ID	4296
Object	Property Name	Property Value
IO9 : IO9	Name	109
	Net ID	4223
Object	Property Name	Property Value
IO10 : IO10	Name	IO10
	Net ID	4224
Object	Property Name	Property Value
IO11 : IO11	Name	IO11
	Net ID	4240
Object	Property Name	Property Value
IO8 : IO8	Name	IO8
	Net ID	4241
Object	Property Name	Property Value
SDA: SDA	Name	SDA
	Net ID	4302
Object	Property Name	Property Value
Object SCL: SCL	Property Name Name Net ID	Property Value SCL 4292

Object	Property Name	Property Value
AD0 : AD0	Name	AD0
	Net ID	4296
Object	Property Name	Property Value
AD1 : AD1	Name	AD1
	Net ID	4286
Object	Property Name	Property Value
CS:CS	Name	CS
	Net ID	4266
Object	Property Name	Property Value
RST : RST	Name	RST
NOT : NOT	Net ID	4288
Object	Property Name	Property Value
USB_TX : USB_TX	Name	USB_TX
USB_IX: USB_IX	Net ID	4253
	15	15
Object	Property Name Name	Property Value USB_RX
USB_RX: USB_RX	Net ID	4248
	HOUR	12-10
Object	Property Name	Property Value
106 : 106	Name	106 4222
	Net ID	4222
Object	Property Name	Property Value
USB_RX: USB_RX	Name	USB_RX
	Net ID	4248
Object	Property Name	Property Value
USB_TX : USB_TX	Name	USB_TX
	Net ID	4253
Object	Property Name	Property Value
AD2 : AD2	Name	AD2
	Net ID	4279
Object	Property Name	Property Value
AD3 : AD3	Name	AD3
ADO . ADO	Net ID	4294
Ohlasi	I Business St.	December 16:1
Object	Property Name Name	Property Value  MOSI
	i ivame	I IVIUSI
MOSI : MOSI	Net ID	4270

Object	Property Name	Property Value	
MISO : MISO	Name	MISO	
	Net ID	4260	
Object	Property Name	Property Value	
SCK : SCK	Name	SCK	
	Net ID	4261	
Object	Property Name	Property Value	
IO12 : IO12	Name	IO12	
	Net ID	4299	
	·		
Object	Property Name	Property Value	
IO13 : IO13	Name	IO13	
	Net ID	4283	
Object	Property Name	Property Value	
AD3 : AD3	Name	AD3	
	Net ID	4294	
Object	Property Name	Property Value	
107 : 107	Name	107	
	Net ID	4275	
	•	•	
Object	Property Name	Property Value	
AD6 : AD6	Name	AD6	
	Net ID	4295	
Object	Property Name	Property Value	
AD7 : AD7	Name	AD7	
	Net ID	4297	
Object	Property Name	Property Value	
RST : RST	Name	RST	
1	Net ID	4288	

Object	Property Name	Property Value	
	Path Name	TitleBlock0	
	Schematic Path	1	
	ID	105	
	Page Create Date	Monday, October 28, 2024	
	Page Create Time	10:00:28	
	Design Create Date	Monday, October 28, 2024	_
	Design Create Time	09:59:52	1
	Schematic Create Date	Monday, October 28, 2024	1
	Schematic Create Time	09:59:54	_
	Doc	MCU SCHEMATIC	
	OrgAddr4		
	OrgAddr3		
	OrgAddr2		
	OrgAddr1		
	OrgName		1
	Cage Code		1
	RevCode	Design by Mai Xuan Canh	1
	Page Count	5	1
TitleBlock0 : TitleBlock0	Title	CNC MACHINE DEVELOP BOARD	
THE BIOCKO : THE BIOCKO	TITLEBLOCK0		
	Name	TitleBlock0	
	Design Name	CNCMACHINE	1
	Design File Name	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE	VELOPBOARD\DON
	Design Modify Date	Sunday, November 10, 2024	
	Design Modify Time	19:08:32	1
	Schematic Name	SCHEMATIC1	
	Schematic Modify Date	Sunday, November 10, 2024	1
	Schematic Modify Time	19:08:34	1
	Schematic Page Count	0	1
	Schematic Page Number	0	1
	Page Size	A	1
	Page Modify Date	Sunday, November 10, 2024	1
	Page Modify Time	19:08:32	1
	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE	VELOPBOARD\DON
	Source Symbol	TITLEBLOCK0	1
	Page Name	MAIN	1
	OriginalSymbolOrigin	(0,0)	1
	Page Number	1	1

Object	Property Name	Property Value	
	Name	INS309	
	ID	110	
	Reference	J16	
	Designator		
	Part Reference	J16	
	Value	FFMD-08-X-X-X	
	Primitive	DEFAULT	
	Implementation Type	<none></none>	
INS309 : J16	Implementation		
	Implementation Path		
	PCB Footprint	SAMTEC_IDMD-08-X-X	
	SnapEDA_Link	https://www.snapeda.com/parts/FFMD-08-D-10.00-01/	Samtec/view-part/?ref=:
	Description	Cable Assembly Flat	Ribbon 30AWG 0.25m 1
	Package	None	
	MF	Samtec	
	MP	FFMD-08-D-10.00-01	
	Check_prices	https://www.snapeda.com/parts/FFMD-08-D-10.00-01/	Samtec/view-part/?ref=
	OriginalSymbolOrigin	(0,0)	

Object	Property Name	Property Value
	Name	01
	Number	01
01 : J16/01	Swap Id	-1
	Туре	Passive
	Net Name	5V
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	02
	Number	02
02 : J16/02	Swap Id	-1
	Туре	Passive
	Net Name	USB_RX
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	03
	Number	03
03 : J16/03	Swap Id	-1
	Туре	Passive
	Net Name	SCL
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
	Name	04
	Number	04
	Swap Id	-1
04 : J16/04	Туре	Passive
	Net Name	USB_TX
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
	Name	05
	Number	05
05 : J16/05	Swap Id	-1
	Туре	Passive
	Net Name	SDA
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
	Name	06
	Number	06
06 : J16/06	Swap Id	-1
	Туре	Passive
	Net Name	RST
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
	Name	07
	Number	07
07 : J16/07	Swap Id	-1
	Туре	Passive
	Net Name	AD0
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
	Name	08
	Number	08
08 : J16/08	Swap Id	-1
	Туре	Passive
	Net Name	CS
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
	Name	09
	Number	09
09 : J16/09	Swap Id	-1
	Туре	Passive
	Net Name	AD1
	Order	8
	Is No Connect	False

Object	Property Name	Property Value	
	Name	10	
	Number	10	
	Swap Id	-1	
10 : J16/10	Туре	Passive	
	Net Name	SCK	
	Order	9	
	Is No Connect	False	

Object	Property Name	Property Value
	Name	11
	Number	11
11: J16/11	Swap Id	-1
	Туре	Passive
	Net Name	AD2
	Order	10
	Is No Connect	False

Object	Property Name	Property Value
	Name	12
	Number	12
12 : J16/12	Swap Id	-1
	Туре	Passive
	Net Name	MISO
	Order	11
	Is No Connect	False

Object	Property Name	Property Value
	Name	13
	Number	13
13: J16/13	Swap Id	-1
	Туре	Passive
	Net Name	AD3
	Order	12
	Is No Connect	False

Object	Property Name	Property Value
	Name	14
	Number	14
14 : J16/14	Swap Id	4
	Туре	Passive
	Net Name	MOSI
	Order	13
	Is No Connect	False

Object	Property Name	Property Value
	Name	15
	Number	15
15 : J16/15	Swap Id	-1
	Туре	Passive
	Net Name	3V3
	Order	14
	Is No Connect	False

Object	Property Name	Property Value
16: J16/16	Name	16
	Number	16
	Swap Id	-1
	Туре	Passive
	Net Name	GND
	Order	15
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS351
	ID	127
	Reference	S4
	Designator	
	Part Reference	S4
INS351 : S4	Value	4.2x3.3mm
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	SW_SKRPACE010
	OriginalSymbolOrigin	(10,0)

Object	Property Name	Property Value
	Name	1
	Number	1
1: S4/1	Swap Id	-1
	Туре	Bidirectional
	Net Name	RST
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
2: \$4/2	Swap Id	-1
	Туре	Bidirectional
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	3
	Number	3
3 : S4/3	Swap Id	4
	Туре	Bidirectional
	Net Name	RST
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
	Name	4
	Number	4
4: \$4/4	Swap Id	4
	Туре	Bidirectional
	Net Name	GND
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
·	Name	INS251
	ID	132
	Reference	J25
	Designator	
	Part Reference	J25
	Value	TMS-101-21-G-S
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
INS251 : J25	Implementation Path	
	PCB Footprint	SAMTEC_TMS-101-21-G-S
	Purchase_URL	https://pricing.snapeda.com/search/part/TMS-101-21-G-S/?ref=eda
	Price	None
	Package	None
	OriginalSymbolOrigin	(0,0)
	MP	TMS-101-21-G-S
	MF	Samtec
	Description	Connector Header Through Hole 1 position
	Availability	In Stock

Object	Property Name	Property Value
	Name	03
	Number	03
03 : J25/03	Swap Id	-1
	Туре	Passive
	Net Name	
	Order	0
	Is No Connect	True

Object	Property Name	Property Value
	Name	INS263
	ID	134
	Reference	C35
	Designator	
	Part Reference	C35
Implementation Type <pre><none></none></pre> Implementation Implementation Path	Value	100nF
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation Path	
	PCB Footprint	WCAP-CSGP_0603_W
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
	Swap Id	-1
1 : C35/1	Туре	Passive
	Net Name	N002630
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
2 : C35/2	Swap Id	-1
	Туре	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS469
	ID	137
	Reference	J31
	Designator	
	Part Reference	J31
	Value	TMS-101-21-G-S
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
INS469 : J31	Implementation Path	
	PCB Footprint	SAMTEC_TMS-101-21-G-S
	Availability	In Stock
	Description	Connector Header Through Hole 1 position
	MF	Samtec
	MP	TMS-101-21-G-S
	OriginalSymbolOrigin	(0,0)
	Package	None
	Price	None
	Purchase_URL	https://pricing.snapeda.com/search/part/TMS-101-21-G-S/?ref=

Object	Property Name	Property Value
	Name	03
	Number	03
03 : J31/03	Swap Id	-1
	Туре	Passive
	Net Name	
	Order	0
	Is No Connect	True

Object	Property Name	Property Value
	Name	INS369
	ID	139
	Reference	C37
	Designator	
	Part Reference	C37
INS369 : C37	Value	22pF
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	WCAP-CSGP_0603_W
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
1 : C37/1	Swap Id	-1
	Туре	Passive
	Net Name	XTAL2
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
2:C37/2	Swap Id	-1
	Туре	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS277
	ID	142
	Reference	C34
	Designator	
	Part Reference	C34
INS277 : C34	Value	100nF
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	WCAP-CSGP_0603_W
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
1:C34/1	Swap Id	-1
	Туре	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
2 : C34/2	Swap Id	-1
	Туре	Passive
	Net Name	5V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS481
	ID	145
	Reference	J26
	Designator	
	Part Reference	J26
	Value	TMS-101-21-G-S
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
INS481 : J26	Implementation Path	
	PCB Footprint	SAMTEC_TMS-101-21-G-S
	Purchase_URL	https://pricing.snapeda.com/search/part/TMS-101-21-G-S/?ref=eda
	Price	None
	Package	None
	OriginalSymbolOrigin	(0,0)
	MP	TMS-101-21-G-S
	MF	Samtec
	Description	Connector Header Through Hole 1 position
	Availability	In Stock

Object	Property Name	Property Value
	Name	03
	Number	03
03 : J26/03	Swap Id	-1
	Туре	Passive
	Net Name	
	Order	0
	Is No Connect	True

Object	Property Name	Property Value	
	Name	INS383	
	ID	147	
	Reference	J27	
	Designator		
	Part Reference	J27	
	Value	TMS-101-21-G-S	
	Primitive	DEFAULT	
	Implementation Type	<none></none>	
	Implementation		
INS383 : J27	Implementation Path		
	PCB Footprint	SAMTEC_TMS-101-21-G-S	
	Purchase_URL	https://pricing.snapeda.com/search/part/TMS-101-21-G-S/?r	?ref=eda
	Price	None	
	Package	None	
	OriginalSymbolOrigin	(0,0)	
	MP	TMS-101-21-G-S	
	MF	Samtec	
	Description	Connector Header Through Hole 1 position	
	Availability	In Stock	

Object	Property Name	Property Value
	Name	03
	Number	03
	Swap Id	-1
03 : J27/03	Туре	Passive
	Net Name	
	Order	0
	Is No Connect	True

Object	Property Name	Property Value
	Name	INS291
	ID	152
	Reference	Y6
	Designator	
	Part Reference	Y6
INS291 : Y6	Value	16Mhz 5032
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	XTAL_ECS-2712-10-30B-RWY-TR
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	IN/OUT
	Number	1
	Swap Id	-1
IN/OUT : Y6/IN/OUT	Туре	Bidirectional
	Net Name	XTAL1
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	GND
	Number	2
	Swap Id	-1
GND: Y6/GND	Туре	Power
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	OUT/IN
OUT/IN: Y6/OUT/IN	Number	3
	Swap Id	-1
	Туре	Bidirectional
	Net Name	XTAL2
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
	Name	GND
	Number	4
	Swap Id	-1
GND : Y6/GND	Туре	Power
	Net Name	GND
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS493
	ID	149
	Reference	C36
	Designator	
	Part Reference	C36
INS493 : C36	Value	22pF
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	WCAP-CSGP_0603_W
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
	Swap Id	-1
1 : C36/1	Туре	Passive
	Net Name	XTAL1
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
	Swap Id	-1
2: C36/2	Туре	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS395
	ID	157
	Reference	U4
	Designator	
	Part Reference	U4
INS395 : U4	Value	ATMEGA328P-AN
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	QFP80P900X900X120-32N
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	PD3
	Number	1
	Swap Id	4
PD3: U4/PD3	Туре	Bidirectional
	Net Name	IO3
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	PD4
	Number	2
PD4: U4/PD4	Swap Id	-1
	Туре	Bidirectional
	Net Name	104
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	GND
	Number	3
GND : U4/GND	Swap Id	-1
	Туре	Power
	Net Name	GND
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
	Name	VCC
	Number	4
	Swap Id	-1
VCC : U4/VCC	Туре	Power
	Net Name	5V
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
	Name	GND
	Number	5
	Swap Id	-1
GND : U4/GND	Туре	Power
	Net Name	GND
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
	Name	VCC
	Number	6
VCC : U4/VCC	Swap Id	-1
	Туре	Power
	Net Name	5V
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
	Name	PB6
	Number	7
	Swap Id	-1
PB6 : U4/PB6	Туре	Bidirectional
	Net Name	XTAL1
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
	Name	PB7
	Number	8
	Swap Id	-1
PB7 : U4/PB7	Туре	Bidirectional
	Net Name	XTAL2
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
	Name	PD5
	Number	9
	Swap Id	4
PD5 : U4/PD5	Туре	Bidirectional
	Net Name	IO5
	Order	8
	Is No Connect	False

Object	Property Name	Property Value	
	Name	PD6	
	Number	10	
PD6: U4/PD6	Swap Id	-1	
	Туре	Bidirectional	
	Net Name	106	
	Order	9	
	Is No Connect	False	

Object	Property Name	Property Value
	Name	PD7
	Number	11
	Swap Id	-1
PD7 : U4/PD7	Туре	Bidirectional
	Net Name	107
	Order	10
	Is No Connect	False

Object	Property Name	Property Value
	Name	PB0
	Number	12
	Swap Id	-1
PB0 : U4/PB0	Туре	Bidirectional
	Net Name	IO8
	Order	11
	Is No Connect	False

Object	Property Name	Property Value
	Name	PB1
	Number	13
	Swap Id	-1
PB1 : U4/PB1	Туре	Bidirectional
	Net Name	109
	Order	12
	Is No Connect	False

Object	Property Name	Property Value
	Name	PB2
	Number	14
PB2 : U4/PB2	Swap Id	-1
	Туре	Bidirectional
	Net Name	IO10
	Order	13
	Is No Connect	False

Object	Property Name	Property Value
	Name	PB3
	Number	15
PB3: U4/PB3	Swap Id	4
	Туре	Bidirectional
	Net Name	IO11
	Order	14
	Is No Connect	False

Object	Property Name	Property Value
	Name	PB4
	Number	16
PB4: U4/PB4	Swap Id	-1
	Туре	Bidirectional
	Net Name	IO12
	Order	15
	Is No Connect	False

Object	Property Name	Property Value
	Name	PB5
	Number	17
PB5 : U4/PB5	Swap Id	-1
	Туре	Bidirectional
	Net Name	IO13
	Order	16
	Is No Connect	False

Object	Property Name	Property Value
	Name	AVCC
	Number	18
AVCC : U4/AVCC	Swap Id	-1
	Туре	Power
	Net Name	5V
	Order	17
	Is No Connect	False

Object	Property Name	Property Value
	Name	ADC6
	Number	19
ADC6: U4/ADC6	Swap Id	-1
	Туре	Bidirectional
	Net Name	AD6
	Order	18
	Is No Connect	False

Object	Property Name	Property Value
	Name	AREF
	Number	20
AREF: U4/AREF	Swap Id	-1
	Туре	Input
	Net Name	N002630
	Order	19
	Is No Connect	False

Object	Property Name	Property Value
	Name	GND
	Number	21
GND: U4/GND	Swap Id	-1
	Туре	Power
	Net Name	GND
	Order	20
	Is No Connect	False

Object	Property Name	Property Value
	Name	ADC7
	Number	22
ADC7: U4/ADC7	Swap Id	-1
	Туре	Bidirectional
	Net Name	AD7
	Order	21
	Is No Connect	False

Object	Property Name	Property Value
	Name	PC0
	Number	23
PC0 : U4/PC0	Swap Id	-1
	Туре	Bidirectional
	Net Name	AD0
	Order	22
	Is No Connect	False

Object	Property Name	Property Value
	Name	PC1
	Number	24
PC1 : U4/PC1	Swap Id	-1
	Туре	Bidirectional
	Net Name	AD1
	Order	23
	Is No Connect	False

Object	Property Name	Property Value
	Name	PC2
	Number	25
PC2 : U4/PC2	Swap Id	4
	Туре	Bidirectional
	Net Name	AD2
	Order	24
	Is No Connect	False

Object	Property Name	Property Value
	Name	PC3
	Number	26
	Swap Id	-1
PC3 : U4/PC3	Туре	Bidirectional
	Net Name	AD3
	Order	25
	Is No Connect	False

Object	Property Name	Property Value
	Name	PC4
	Number	27
	Swap Id	-1
PC4 : U4/PC4	Туре	Bidirectional
	Net Name	SCL
	Order	26
	Is No Connect	False

Object	Property Name	Property Value
	Name	PC5
	Number	28
	Swap Id	-1
PC5 : U4/PC5	Туре	Bidirectional
	Net Name	SDA
	Order	27
	Is No Connect	False

Object	Property Name	Property Value
	Name	PC6/!RESET
	Number	29
	Swap Id	-1
PC6/!RESET : U4/PC6/!RESET	Туре	Bidirectional
	Net Name	RST
	Order	28
	Is No Connect	False

Object	Property Name	Property Value
	Name	PD0
	Number	30
	Swap Id	-1
PD0: U4/PD0	Туре	Bidirectional
	Net Name	USB_RX
	Order	29
	Is No Connect	False

Object	Property Name	Property Value
	Name	PD1
	Number	31
	Swap Id	-1
PD1: U4/PD1	Туре	Bidirectional
	Net Name	USB_TX
	Order	30
	Is No Connect	False
	•	<u>.</u>
Object	Property Name	Property Value
	Name	PD2
	Number	32
PP0 114/PP0	Swap Id	-1
PD2 : U4/PD2	Туре	Bidirectional
	Net Name	102
	Order	31
	Is No Connect	False
Object	I Brown and Al	I Burnanta V
Object 12V: 12V (Wire ID = 1187)	Property Name	Property Value
12v . 12v (WIIO ID = 1107 )	Name	12V
Object	Property Name	Property Value
12V : 12V (Wire ID = 1189 )	Name	12V
, ,	ivairie	1ZV
Object	Property Name	Property Value
12V : 12V (Wire ID = 1191 )	Name	12V
	Hamo	124
Object	Property Name	Property Value
12V : 12V (Wire ID = 1193 )	Name	12V
	•	
Object	Property Name	Property Value
12V : 12V (Wire ID = 1195 )	Name	12V
Object 12 4400	Property Name	Property Value
3V3 : 3V3 (Wire ID = 1199 )	Name	3V3
Object	Duam anti- Nam-	Dramosti, Value
<b>Object</b> 3V3 : 3V3 (Wire ID = 1201 )	Property Name	Property Value
070 : 070 (FILE ID = 1201 )	Name	3V3
Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 1203 )	Name	3V3
•	Ivanie	000
Object	Property Name	Property Value
<b>Object</b> 3V3 : 3V3 (Wire ID = 1205 )	Property Name	Property Value
<b>Object</b> 3V3 : 3V3 (Wire ID = 1205 )	Property Name Name	Property Value 3V3
Object 3V3: 3V3 (Wire ID = 1205)		
Object 3V3 : 3V3 (Wire ID = 1205 ) Object		
3V3 : 3V3 (Wire ID = 1205 )	Name	3V3

Object	Property Name	Property Value
5V : 5V (Wire ID = 1211 )	IREF	P[1,2,4]
00 : 00 (WHO ID = 1211)	Name	5V
Object	Property Name	Property Value
5V : 5V (Wire ID = 1215 )	IREF	P[1,2,4]
, ,	Name	5V
Object	Property Name	Property Value
5V : 5V (Wire ID = 1217 )	IREF	P[1,2,4]
	Name	5V
Object	Property Name	Property Value
5V : 5V (Wire ID = 1219 )	IREF	P[1,2,4]
	Name	5V
Object	Property Name	Property Value
5V : 5V (Wire ID = 1221 )	IREF	P[1,2,4]
, ,	Name	5V
Object	Property Name	Property Value
5V : 5V (Wire ID = 1223 )	IREF	P[1,2,4]
	Name	5V
Object	Property Name	Property Value
GND : GND (Wire ID = 1233 )	IREF	P[1,2,4,5]
, ,	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 1235 )	IREF	P[1,2,4,5]
,	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 1237 )	IREF	P[1,2,4,5]
(1110 1 0110 (1110 10 1101 )	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 1239 )	IREF	P[1,2,4,5]
(Mile 12 = 1200)	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 1241 )	IREF	P[1,2,4,5]
, ,	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 1243 )	IREF	P[1,2,4,5]
	Name	GND
	N.	

Object	Property Name	Property Value	
GND : GND (Wire ID = 1245 )	IREF	P[1,2,4,5]	
	Name	GND	
Object	Property Name	Property Value	
GND : GND (Wire ID = 1247 )	IREF	P[1,2,4,5]	
(IIII )	Name	GND	
Object	Property Name	Property Value	
GND : GND (Wire ID = 1249 )	IREF	P[1,2,4,5]	
(VIII I E = 1240)	Name	GND	
Object	Property Name	Property Value	
GND : GND (Wire ID = 1251 )	IREF	P[1,2,4,5]	
OND : GIVE (Wife ID = 1231)	Name	GND	
Object	Property Name	Property Value	
GND : GND (Wire ID = 1253 )	IREF	P[1,2,4,5]	
	Name	GND	
Object	Property Name	Property Value	
GND : GND (Wire ID = 1255 )	IREF	P[1,2,4,5]	
(Viii = 1230)	Name	GND	
Object	Property Name	Property Value	
GND : GND (Wire ID = 1257 )	IREF	P[1,2,4,5]	
GND : GND (Wire ID = 1257 )	IREF Name	P[1,2,4,5] GND	
GND : GND (Wire ID = 1257 )			
GND : GND (Wire ID = 1257 )  Object			
	Name	GND	
Object	Name Property Name	GND Property Value	
Object	Property Name	Property Value P[1,2,4,5]	
Object	Property Name	Property Value P[1,2,4,5]	
Object GND : GND (Wire ID = 1259 )	Property Name IREF Name	Property Value P[1,2,4,5] GND	
Object GND : GND (Wire ID = 1259 ) Object	Property Name IREF Name Property Name	Property Value P[1,2,4,5] GND  Property Value	
Object GND : GND (Wire ID = 1259 ) Object	Property Name IREF Name  Property Name IREF Name	Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND	
Object GND : GND (Wire ID = 1259 ) Object	Property Name IREF Name  Property Name IREF	Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5]	
Object GND: GND (Wire ID = 1259)  Object GND: GND (Wire ID = 1261)	Property Name IREF Name  Property Name IREF Name	Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND	
Object GND: GND (Wire ID = 1259)  Object GND: GND (Wire ID = 1261)  Object	Property Name IREF Name  Property Name IREF Name  Property Name IREF Name	Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND  Property Value	
Object GND: GND (Wire ID = 1259)  Object GND: GND (Wire ID = 1261)  Object GND: GND (Wire ID = 1265)	Property Name IREF Name  Property Name IREF Name  Property Name IREF IREF	Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND	
Object  Object  GND: GND (Wire ID = 1259)  Object  GND: GND (Wire ID = 1261)  Object  GND: GND (Wire ID = 1265)	Property Name IREF Name  Property Name IREF Name  Property Name IREF IREF	Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] Property Value P[1,2,4,5]	
Object GND: GND (Wire ID = 1259)  Object GND: GND (Wire ID = 1261)  Object GND: GND (Wire ID = 1265)	Property Name IREF Name  Property Name IREF Name  Property Name IREF Name  IREF Name	Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND	
Object  Object  GND: GND (Wire ID = 1259)  Object  GND: GND (Wire ID = 1261)  Object  GND: GND (Wire ID = 1265)	Property Name IREF Name  Property Name IREF Name  Property Name IREF Name  Property Name IREF Name	Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND	
Object  Object  GND: GND (Wire ID = 1259)  Object  GND: GND (Wire ID = 1261)  Object  GND: GND (Wire ID = 1265)  Object  H_GND: H_GND (Wire ID = 1271)	Property Name IREF Name  Property Name IREF Name  Property Name IREF Name  Property Name IREF Name	Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND	
Object  Object  GND: GND (Wire ID = 1259)  Object  GND: GND (Wire ID = 1261)  Object  GND: GND (Wire ID = 1265)  Object  H_GND: H_GND (Wire ID = 1271)	Property Name IREF Name	Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND	
Object  Object  GND: GND (Wire ID = 1259)  Object  GND: GND (Wire ID = 1261)  Object  GND: GND (Wire ID = 1265)  Object  H_GND: H_GND (Wire ID = 1271)	Property Name IREF Name  Property Name Name	Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND  Property Value H_GND	
Object GND: GND (Wire ID = 1259)  Object GND: GND (Wire ID = 1261)  Object GND: GND (Wire ID = 1265)  Object H_GND: H_GND (Wire ID = 1271)	Property Name IREF Name  Property Name Name	Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND  Property Value P[1,2,4,5] GND  Property Value H_GND	

Object	Proporty Name	Proporty Volum
Object H_GND: H_GND (Wire ID = 1277)	Property Name Name	Property Value
	ivanie	TEORE
Object	Property Name	Property Value
H_GND : H_GND (Wire ID = 1279 )	Name	H_GND
Object	Property Name	Property Value
H_GND : H_GND (Wire ID = 1283 )	Name	H GND
	Ivanie	TI_GND
Object	Property Name	Property Value
H_GND : H_GND (Wire ID = 1285 )	Name	H_GND
Object	Property Name	Property Value
H_GND : H_GND (Wire ID = 1287 )	Name	H_GND
		1.70.00
Object	Property Name	Property Value
H_GND : H_GND (Wire ID = 1289 )	Name	H_GND
Object	Property Name	Property Value
H_GND : H_GND (Wire ID = 1293 )	Name	H GND
	•	
Object N01297 : N01297 (Wire ID = 1297 )	Property Name	Property Value
1101207 . 1101207 (WHE ID = 1207)	Name	N01297
Object	Property Name	Property Value
N01299 : N01299 (Wire ID = 1299 )	Name	N01299
Ohioat	Duamantu Nama	Dramarty Value
Object N01301 : N01301 (Wire ID = 1301 )	Property Name	Property Value N01301
, ,	Name	1001001
Object	Property Name	Property Value
VIN : VIN (Wire ID = 1305)	Name	VIN
Object	Property Name	Property Value
VIN : VIN (Wire ID = 1307 )	Name	VIN
Object VIN: VIN (Wire ID = 1309)	Property Name	Property Value
VIIV . VIIV (VVII e ID = 1309)	Name	VIN
Object	Property Name	Property Value
VIN : VIN (Wire ID = 1311 )	Name	VIN
	•	
Object VIN: VIN (Wire ID = 1315)	Property Name	Property Value
VII.4. VII.4 (VVII.6 ID = 1313)	Name	VIN

Object	Property Name	Property Value	7
VIN: VIN (Wire ID = 1317)	Name	VIN	1
	•	•	-
Object	Property Name	Property Value	٦
VOUT : VOUT (Wire ID = 1323 )	Name	VOUT	]
Object	Property Name	Property Value	]
VOUT : VOUT (Wire ID = 1325 )	Name	VOUT	J
			<u></u>
Object VOUT: VOUT (Wire ID = 1327)	Property Name	Property Value	]
VOOT : VOOT (VIIIO IS = 1.52. )	Name	VOUT	
			_
Object	Property Name	Property Value	_
	Name	5V	_
5V	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED	EVELOPBOARD\DONE
	Source Symbol	VCC	_
	OriginalSymbolOrigin	(-10,10)	
Object	Property Name	Property Value	]
	Name	3V3	┨┈
3V3	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED	EVELOPBOARD\DONE
	Source Symbol	VCC	4
	OriginalSymbolOrigin	(-10,10)	J
	I =	I B	7
Object	Property Name	Property Value	7
	Name	GND	]
Object GND	Name Source Library	GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED	BVELOPBOARD\DONE
	Name Source Library Source Symbol	GND D:\ALLEGRO\PROJECT\CANHMA\\CNCMACHINED GND	EVELOPBOARD\DONE
	Name Source Library	GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED	EVELOPBOARD\DONE
GND	Name Source Library Source Symbol OriginalSymbolOrigin	GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)	EVELOPBOARD\DONE
	Name Source Library Source Symbol OriginalSymbolOrigin  Property Name	GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)  Property Value	EVELOPBOARD\DONE
GND Object	Name Source Library Source Symbol OriginalSymbolOrigin  Property Name Name	GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)  Property Value GND	<u> </u>
GND	Name Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Source Library	GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)  Property Value GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED	<u> </u>
GND Object	Name Source Library Source Symbol OriginalSymbolOrigin  Property Name Name	GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)  Property Value GND	<u> </u>
GND Object	Name Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Source Library Source Symbol	GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)  Property Value GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED	<u> </u>
Object GND	Name Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Source Library Source Symbol OriginalSymbolOrigin	GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)  Property Value GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)	<u> </u>
GND Object	Name Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Source Library Source Symbol	GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)  Property Value GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED	<u> </u>
Object Object Object	Name Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Source Library Source Symbol OriginalSymbolOrigin  Property Name	GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)  Property Value GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)  Property Value 12V	EVELOPBOARD\DONE
Object GND	Name Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Name	GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)  Property Value GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)  Property Value	EVELOPBOARD\DONE
Object Object Object	Name Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Name Source Library	GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)  Property Value GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)  Property Value 12V D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED	EVELOPBOARD\DONE
Object Object Object	Name Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Source Library Source Symbol OriginalSymbolOrigin	GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)  Property Value GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)  Property Value 12V D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED VCC	EVELOPBOARD\DONE
Object Object 12V	Name Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Source Library Source Symbol OriginalSymbolOrigin	GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)  Property Value GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)  Property Value 12V D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED VCC (-10,10)	EVELOPBOARD\DONE
Object Object Object	Name Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Source Library Source Symbol OriginalSymbolOrigin  OriginalSymbolOrigin  Property Name Name Source Library Source Symbol OriginalSymbolOrigin	GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)  Property Value GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)  Property Value 12V D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED VCC	EVELOPBOARD\DONE
Object Object Object Object	Name Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Source Library Source Symbol OriginalSymbolOrigin  OriginalSymbolOrigin  Property Name Name Source Library Source Symbol OriginalSymbolOrigin	GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)  Property Value GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)  Property Value 12V D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED VCC (-10,10)  Property Value	EVELOPBOARD\DONE
Object Object 12V	Name Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Source Library Source Symbol OriginalSymbolOrigin  OriginalSymbolOrigin  Property Name Name Source Library Source Symbol OriginalSymbolOrigin	GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)  Property Value GND D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED GND (-10,0)  Property Value 12V D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED VCC (-10,10)  Property Value 12V D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED VCC 12V Property Value 12V	EVELOPBOARD\DONE

Object	Property Name	Property Value
	Name	GND
GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD
	Source Symbol	GND
	OriginalSymbolOrigin	(-10,0)
Object	Property Name	Property Value
	Name	3V3
3V3	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE
	Source Symbol	VCC
	OriginalSymbolOrigin	(-10,10)
Object	Property Name	Property Value
	Name	5V
5V	Source Library	D:\ALLEGRO\PROJECT\CANHMA\CNCMACHINEDE
	Source Symbol	VCC
	OriginalSymbolOrigin	(-10,10)
Object	Property Name	Property Value
	Name	GND
GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE
	Source Symbol	GND
	OriginalSymbolOrigin	(-10,0)
Object	Property Name	Property Value
	Name	12V
12V	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE
	Source Symbol	VCC
	OriginalSymbolOrigin	(-10,10)
Object	Property Name	Property Value
	Name	GND
GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE
	Source Symbol	GND
	OriginalSymbolOrigin	(-10,0)
Object	Property Name	Property Value
EV.	Name Source Library	5V D:\ALLEGRO\PROJECT\CANHMA\\CNCMACHINEDEVELOPBOARD
5V	Source Symbol	VCC
	OriginalSymbolOrigin	(-10,10)
Object	Property Name	Property Value
	Name	12V
12V	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD
IZV		

VCC (-10,10)

Object	Property Name	Property Value
	Name	GND
GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD\I
	Source Symbol	GND
	OriginalSymbolOrigin	(-10,0)
Object	Property Name	Property Value
	Name	GND
GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD\I
	Source Symbol	GND
	OriginalSymbolOrigin	(-10,0)
Object	Property Name	Property Value
	Name	GND
GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD\I
	Source Symbol	GND
	OriginalSymbolOrigin	(-10,0)
Object	Property Name	Property Value
	Name	H_GND
H_GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD\I
	Source Symbol	GND_SIGNAL
	OriginalSymbolOrigin	(-10,0)
Object	Property Name	Property Value
	Name	H_GND
H_GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE
	Source Symbol	GND_SIGNAL
	OriginalSymbolOrigin	(-10,0)
Object	Property Name	Property Value
	Name	H_GND
H_GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD\I
	Source Symbol	GND_SIGNAL
	OriginalSymbolOrigin	(-10,0)
Ohioot	Dromouts Nove	Drawarty Value
Object	Property Name	Property Value
	Name	H_GND
H_GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD\I
	Source Symbol	GND_SIGNAL (10.0)
	OriginalSymbolOrigin	(-10,0)
Object	Property Name	Property Value
Object		GND GND
	Name Source Library	D:\allegro\project\canhmai\cncmachinedevelopboard\i
GND	Source Symbol	GND D: VALLEGROUPROJECT (CANNIWATION CIWACHINED BY VELOPBOARD)
	Source Symbol	UND

(-10,0)

Object	Property Name	Property Value	]
	Path Name	TitleBlock0	1
	Schematic Path	1_	1
	ID	106	]
	Page Create Date	Monday, October 28, 2024	]
	Page Create Time	09:59:52	1
	Design Create Date	Monday, October 28, 2024	1
	Design Create Time	09:59:52	1
	Schematic Create Date	Monday, October 28, 2024	1
	Schematic Create Time	09:59:54	1
	Doc	POWER SCHEMATIC	1
	Page Number	2	1
	OrgAddr4		1
	OrgAddr3		1
	OrgAddr2		1
	OrgAddr1		1
	OrgName		1
	Cage Code		1
	RevCode	Design by Mai Xuan Canh	1
TitleBlock0 : TitleBlock0	Page Count	5	1
THODIONO : THODIONO	Title	CNC MACHINE DEVELOP BOARD	1
	TITLEBLOCK0		1
	Name	TitleBlock0	1
	Design Name	CNCMACHINE	1
	Design File Name	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED	EVELOPBOARD\DONE
	Design Modify Date	Sunday, November 10, 2024	]
	Design Modify Time	19:08:32	1
	Schematic Name	SCHEMATIC1	1
	Schematic Modify Date	Sunday, November 10, 2024	1
	Schematic Modify Time	19:08:34	1
	Schematic Page Count	0	1
	Schematic Page Number	0	1
	Page Size	А	1
	Page Modify Date	Sunday, November 10, 2024	1
	Page Modify Time	19:08:32	1
	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINED	EVELOPBOARD\DONE
	Source Symbol	TITLEBLOCK0	1
	Page Name	POWER	1
	OriginalSymbolOrigin	(0,0)	1

Object	Property Name	Property Value
	Name	INS1115
	ID	190
	Reference	S5
	Designator	
	Part Reference	S5
INS1115: S5	Value	SSP1S1M2
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	SW_500SSP1S1M2REA
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	NC
	Number	1
	Swap Id	-1
NC : S5/NC	Туре	Passive
	Net Name	N008630
	Order	0
	Is No Connect	False

Object	Property Name	Property Value	
	Name	COM	
	Number	2	
COM: S5/COM	Swap Id	-1	
	COM: S5/COM	Туре	Passive
	Net Name	12V	
	Order	1	
	Is No Connect	False	

Object	Property Name	Property Value
	Name	NO
	Number	3
	Swap Id	4
NO : S5/NO	Туре	Passive
	Net Name	
	Order	2
	Is No Connect	True

Object	Property Name	Property Value	
	Name	INS1017	
	ID	194	
	Reference	R15	
	Designator		
INS1017 : R15	Part Reference	R15	
	Value	10K	
	Primitive	DEFAULT	
	Implementation Type	<none></none>	
	Implementation		
	Implementation Path		
	PCB Footprint	RESC1508X55N	
	OriginalSymbolOrigin	(0,0)	•

Object	Property Name	Property Value
	Name	1
	Number	1
1 : R15/1	Swap Id	-1
	Туре	Passive
	Net Name	N01301
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
	Swap Id	4
2 : R15/2	Туре	Passive
	Net Name	12V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS919
	ID	197
	Reference	FL4
	Designator	
	Part Reference	FL4
INS919 : FL4	Value	BLM18SG121TN1D
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	BEADC1608X65N
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
	Swap Id	-1
1 : FL4/1	Туре	Passive
	Net Name	H_GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
	Swap Id	-1
2 : FL4/2	Туре	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS1131
	ID	200
	Reference	C26
	Designator	
	Part Reference	C26
INS1131 : C26	Value	100nF
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	WCAP-CSGP_0603_W
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
1 : C26/1	Swap Id	-1
	Туре	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
2:C26/2	Swap Id	-1
	Туре	Passive
	Net Name	3V3
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS1031
	ID	203
	Reference	VR3
	Designator	
	Part Reference	VR3
INS1031 : VR3	Value	LM1117MPX-33NOPB
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	VREG_LM1117MPX-33NOPB
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	GND
	Number	1
GND : VR3/GND	Swap Id	-1
	Туре	Power
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	VOUT_2
VOUT_2: VR3/VOUT_2	Number	2
	Swap Id	-1
	Туре	Output
	Net Name	3V3
	Order	1
	Is No Connect	False

Object	Property Name	Property Value	
	Name	VIN	
	Number	3	
VIN: VR3/VIN	Swap Id	-1	
	Туре	Input	
	Net Name	5V	
	Order	2	
	Is No Connect	False	

Object	Property Name	Property Value
	Name	VOUT_4
	Number	4
VOUT_4: VR3/VOUT_4	Swap Id	-1
	Туре	Output
	Net Name	3V3
	Order	3
	Is No Connect	False

Object	Property Name	Property Value	
	Name	INS933	
	ID	208	
	Reference	R13	
	Designator		
	Part Reference	R13	
INS933 : R13	Value	1k5	
	Primitive	DEFAULT	
	Implementation Type	<none></none>	
	Implementation		
	Implementation Path		
	PCB Footprint	RESC1508X55N	
	OriginalSymbolOrigin	(0,0)	

Object	Property Name	Property Value
	Name	1
	Number	1
1:R13/1	Swap Id	-1
	Туре	Passive
	Net Name	N01297
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
2 : R13/2	Swap Id	-1
	Туре	Passive
	Net Name	3V3
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS1145
	ID	211
	Reference	C23
	Designator	
	Part Reference	C23
INS1145 : C23	Value	10uF 0603
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	WCAP-CSGP_0603_W
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
1: C23/1	Swap Id	-1
	Туре	Passive
	Net Name	H_GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
2 : C23/2	Swap Id	-1
	Туре	Passive
	Net Name	VIN
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS947
	ID	214
	Reference	D4
	Designator	
	Part Reference	D4
	Value	0603
	Primitive	DEFAULT
	Implementation Type	<none></none>
INS947 : D4	Implementation	
	Implementation Path	
	PCB Footprint	LED_KP-1608SURCK
	SnapEDA_Link	https://www.snapeda.com/parts/KP-1608SURCK/Kingpright/view-part/?ref-
	Description	LED; SMD; 0603; red; 50-150mcd; 1.6x0.8mm; 120; 20mA;
	Package	0603 Kingbright
	MF	Kingbright
	MP	KP-1608SURCK
	Check_prices	https://www.snapeda.com/parts/KP-1608SURCK/Kingpright/view-part/?ref-
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	A
	Number	1
A : D4/A	Swap Id	-1
	Туре	Passive
	Net Name	N01301
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	С
	Number	2
C : D4/C	Swap Id	4
	Туре	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value	
	Name	INS1049	
	ID	217	
	Reference	J35	
	Designator		
	Part Reference	J35	
	Value	PJ-035D	
	Primitive	DEFAULT	
	Implementation Type	<none></none>	
INS1049 : J35	Implementation		
	Implementation Path		
	PCB Footprint	CUI_PJ-035D	
	SnapEDA_Link	https://www.snapeda.com/parts/PJ-035D/Same+Sky/v	ew-part/?ref=snap
	Description	1.3 x 3.8 mm, 2.0 A, H	orizontal, Through Hole
	Package	None	
	MF	Same Sky	
	MP	PJ-035D	
	Check_prices	https://www.snapeda.com/parts/PJ-035D/Same+Sky/v	ew-part/?ref=eda
	OriginalSymbolOrigin	(0,0)	

Object	Property Name	Property Value
	Name	1
	Number	1
1 : J35/1	Swap Id	-1
	Туре	Passive
	Net Name	12V
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
2: J35/2	Swap Id	-1
	Туре	Passive
	Net Name	H_GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	3
	Number	3
3: J35/3	Swap Id	-1
	Туре	Passive
	Net Name	H_GND
	Order	2
	Is No Connect	False

Object	Property Name	Property Value	
	Name	INS849	
	ID	221	
	Reference	D10	
	Designator		
	Part Reference	D10	
INS849 : D10	Value	TVS	
	Primitive	DEFAULT	
	Implementation Type	<none></none>	
	Implementation		
	Implementation Path		
	PCB Footprint	SMB_NOPOL	
	OriginalSymbolOrigin	(0,0)	

Object	Property Name	Property Value
	Name	1
	Number	Α
1:D10/1	Swap Id	-1
	Туре	Passive
	Net Name	VIN
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	С
2: D10/2	Swap Id	-1
	Туре	Passive
	Net Name	H_GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS1159
	ID	224
	Reference	C22
	Designator	
	Part Reference	C22
INS1159 : C22	Value	680uF/25V
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAPPRD500W50D630H1120
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	N
	Number	N
N : C22/N	Swap Id	-1
	Туре	Passive
	Net Name	H_GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	P
	Number	Р
P : C22/P	Swap Id	-1
	Туре	Passive
	Net Name	VIN
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS961
	ID	227
	Reference	C24
	Designator	
INS961 : C24	Part Reference	C24
	Value	220uF/16V
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAPPRD500W50D630H1120
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	N
	Number	N
	Swap Id	-1
N : C24/N	Туре	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	Р
	Number	P
P : C24/P	Swap Id	-1
	Туре	Passive
	Net Name	5V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS863
	ID	233
	Reference	F1
	Designator	
INS863: F1	Part Reference	F1
	Value	1812 16V 2.5A
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	FUSER_MF-MSMF200
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
1:F1/1	Swap Id	-1
	Туре	Passive
	Net Name	N008630
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
	Swap Id	-1
2 : F1/2	Туре	Passive
	Net Name	VIN
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS1065
	ID	230
	Reference	D2
	Designator	
	Part Reference	D2
	Value	0603
	Primitive	DEFAULT
	Implementation Type	<none></none>
INS1065 : D2	Implementation	
	Implementation Path	
	PCB Footprint	LED_KP-1608SURCK
	SnapEDA_Link	https://www.snapeda.com/parts/KP-1608SURCK/Kingleright/view-part/?ref=s
	Description	LED; SMD; 0603; red; 50-150mcd; 1.6x0.8mm; 120; 20mA;
	Package	0603 Kingbright
	MF	Kingbright
	MP	KP-1608SURCK
	Check_prices	https://www.snapeda.com/parts/KP-1608SURCK/Kinglright/view-part/?ref=e
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	Α
	Number	1
A : D2/A	Swap Id	-1
	Туре	Passive
	Net Name	N01297
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	С
	Number	2
	Swap Id	-1
C : D2/C	Туре	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value	
	Name	INS1173	
	ID	236	
	Reference	D3	
	Designator		
	Part Reference	D3	
	Value	0603	
	Primitive	DEFAULT	
	Implementation Type	<none></none>	
INS1173 : D3	Implementation		
	Implementation Path		
	PCB Footprint	LED_KP-1608SURCK	
	SnapEDA_Link	https://www.snapeda.com/parts/KP-1608SURCK/King	bright/view-part/?ref=sna
	Description	LED; SMD; 0603; red; 50-150mcd; 1.6x0.8mm; 120; 2	0mA;
	Package	0603 Kingbright	
	MF	Kingbright	
	MP	KP-1608SURCK	
	Check_prices	https://www.snapeda.com/parts/KP-1608SURCK/King	bright/view-part/?ref=ed
	OriginalSymbolOrigin	(0,0)	

Object	Property Name	Property Value
	Name	Α
	Number	1
A : D3/A	Swap Id	-1
	Туре	Passive
	Net Name	N01299
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	С
	Number	2
C : D3/C	Swap Id	-1
	Туре	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS975
	ID	239
	Reference	C19
	Designator	
	Part Reference	C19
INS975 : C19	Value	100nF
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	WCAP-CSGP_0603_W
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
1 : C19/1	Swap Id	-1
	Туре	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
2 : C19/2	Swap Id	-1
	Туре	Passive
	Net Name	5V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS877
	ID	249
	Reference	J15
	Designator	
	Part Reference	J15
INS877 : J15	Value	TBP02R1-381-02BE
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	CUI_TBP02R1-381-02BE
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
1 : J15/1	Swap Id	-1
	Туре	Passive
	Net Name	H_GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
2: J15/2	Swap Id	-1
	Туре	Passive
	Net Name	12V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS1079
	ID	242
	Reference	U14
	Designator	
	Part Reference	U14
INS1079: U14	Value	LM2596SX-12NOPB
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	VREG_LM2596SX-12NOPB
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	VIN
	Number	1
VIN: U14/VIN	Swap Id	-1
	Туре	Input
	Net Name	VIN
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	OUT
	Number	2
OUT : U14/OUT	Swap Id	-1
	Туре	Output
	Net Name	VOUT
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	GND
GND : U14/GND	Number	3
	Swap Id	4
	Туре	Power
	Net Name	GND
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
	Name	FB
	Number	4
FB: U14/FB	Swap Id	-1
	Туре	Input
	Net Name	5V
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
O\NV\O\F\F\: U14/O\NV\O\F\F\	Name	O\NV\O\F\F\
	Number	5
	Swap Id	-1
	Туре	Input
	Net Name	GND
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
	Name	GND
	Number	6
GND: U14/GND	Swap Id	-1
	Туре	Power
	Net Name	GND
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS989
	ID	252
	Reference	C21
	Designator	
	Part Reference	C21
INS989 : C21	Value	10uF
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	WCAP-CSGP_0603_W
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
1 : C21/1	Number	1
	Swap Id	-1
	Туре	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
2 : C21/2	Swap Id	-1
	Туре	Passive
	Net Name	3V3
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
_	Name	INS891
	ID	255
	Reference	L1
	Designator	
	Part Reference	L1
INS891 : L1	Value	33uH
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	IND_CDRH127LDNP-470MC_SUM
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
1:L1/1	Swap Id	-1
	Туре	Passive
	Net Name	5V
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
2:L1/2	Swap Id	-1
	Туре	Passive
	Net Name	VOUT
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS1101
	ID	258
	Reference	D6
	Designator	
	Part Reference	D6
	Value	1N4007W-T
	Primitive	DEFAULT
	Implementation Type	<none></none>
INS1101 : D6	Implementation	
	Implementation Path	
	PCB Footprint	SODFL3818X130N
	SnapEDA_Link	https://www.snapeda.com/parts/1N4007W/Rectron/view-part/?ref=sr
	Description	Diode Standard 1000 V 1A Surface Mount SOD-123F
	Package	SOD-123F Rectron
	MF	Rectron USA
	MP	1N4007W
	Check_prices	https://www.snapeda.com/parts/1N4007W/Rectron/view-part/?ref=ed
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value	
	Name	K	
	Number	1	
	Swap Id	-1	
K : D6/K	Туре	Bidirectional	
	Net Name	VOUT	
	Order	0	
	Is No Connect	False	

Object	Property Name	Property Value
	Name	A
	Number	2
A : D6/A	Swap Id	-1
	Туре	Bidirectional
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS1003
	ID	261
	Reference	R14
	Designator	
	Part Reference	R14
INS1003 : R14	Value	2k2
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC1508X55N
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
	Swap Id	-1
1 : R14/1	Туре	Passive
	Net Name	N01299
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
	Swap Id	-1
2 : R14/2	Туре	Passive
	Net Name	5V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS905
	ID	264
	Reference	C25
	Designator	
	Part Reference	C25
INS905 : C25	Value	10uF 0603
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	WCAP-CSGP_0603_W
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
	Swap Id	-1
1 : C25/1	Туре	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : C25/2	Name	2
	Number	2
	Swap Id	-1
	Туре	Passive
	Net Name	5V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	102009
	Bounding Box Left	410
	Bounding Box Right	582
	Bounding Box Top	498
Safe for Disable and Enable Driver	Bounding Box Bottom	507
	Text	Safe for Disable and Enable Driver
	Text Location X-Coordinate	410
	Text Location Y-Coordinate	498
	Font	Courier New
		•
Object	Property Name	Property Value
	Name	102011
	Bounding Box Left	458
	Bounding Box Right	515
	Bounding Box Top	454
Pull up Pin	Bounding Box Bottom	463
	Text	Pull up Pin
	Text Location X-Coordinate	458
	Text Location Y-Coordinate	454
	Font	Courier New
		,
Object	Property Name	Property Value
12V : 12V (Wire ID = 1809 )	Name	12V
Object	Property Name	Property Value
12V : 12V (Wire ID = 1811 )	Name	12V
Object	Property Name	Property Value
12V : 12V (Wire ID = 1813 )	Name	12V
	1-	T
Object	Property Name	Property Value
12V : 12V (Wire ID = 1815 )	Name	12V
		121
	•	
Object	Property Name	Property Value
<b>Object</b> 12V : 12V (Wire ID = 1817)		
	Property Name	Property Value
12V: 12V (Wire ID = 1817)	Property Name Name	Property Value
12V: 12V (Wire ID = 1817)  Object	Property Name Name Property Name	Property Value 12V Property Value
12V: 12V (Wire ID = 1817)	Property Name Name	Property Value
12V: 12V (Wire ID = 1817)  Object	Property Name Name Property Name	Property Value 12V Property Value
12V: 12V (Wire ID = 1817)  Object  12V: 12V (Wire ID = 1819)	Property Name Name  Property Name Name	Property Value 12V  Property Value 12V
12V: 12V (Wire ID = 1817)  Object 12V: 12V (Wire ID = 1819)  Object	Property Name Name Property Name Name Property Name	Property Value 12V  Property Value 12V  Property Value
12V: 12V (Wire ID = 1817)  Object  12V: 12V (Wire ID = 1819)	Property Name Name  Property Name Name	Property Value 12V  Property Value 12V
12V: 12V (Wire ID = 1817)  Object 12V: 12V (Wire ID = 1819)  Object	Property Name Name Property Name Name Property Name	Property Value 12V  Property Value 12V  Property Value
12V: 12V (Wire ID = 1817)  Object 12V: 12V (Wire ID = 1819)  Object 1A: 1A (Wire ID = 1821)	Property Name Name  Property Name Name  Property Name Name	Property Value 12V  Property Value 12V  Property Value 1A
12V: 12V (Wire ID = 1817)  Object 12V: 12V (Wire ID = 1819)  Object 1A: 1A (Wire ID = 1821)  Object	Property Name Name Property Name Name Property Name Name Property Name Name	Property Value 12V  Property Value 12V  Property Value 1A  Property Value
12V: 12V (Wire ID = 1817)  Object 12V: 12V (Wire ID = 1819)  Object 1A: 1A (Wire ID = 1821)	Property Name Name  Property Name Name  Property Name Name	Property Value 12V  Property Value 12V  Property Value 1A
Object 12V : 12V (Wire ID = 1817)  Object 12V : 12V (Wire ID = 1819)  Object 1A : 1A (Wire ID = 1821)  Object	Property Name Name Property Name Name Property Name Name Property Name Name	Property Value 12V  Property Value 12V  Property Value 1A  Property Value
Object 12V : 12V (Wire ID = 1817)  Object 12V : 12V (Wire ID = 1819)  Object 1A : 1A (Wire ID = 1821)  Object 1A_2: 1A_2 (Wire ID = 1825)	Property Name Name  Property Name Name  Property Name Name  Property Name Name  Name	Property Value 12V  Property Value 12V  Property Value 1A  Property Value 1A  Property Value 1A_2
12V: 12V (Wire ID = 1817)  Object 12V: 12V (Wire ID = 1819)  Object 1A: 1A (Wire ID = 1821)  Object	Property Name Name Property Name Name Property Name Name Property Name Name	Property Value 12V  Property Value 12V  Property Value 1A  Property Value

Object	Property Name	Property Value	
1B_2 : 1B_2 (Wire ID = 1833 )	Name	1B_2	
Object	Property Name	Property Value	
2A : 2A (Wire ID = 1837 )	Name	2A	
Object	Property Name	Property Value	
2A_2 : 2A_2 (Wire ID = 1841 )	Name	2A_2	
	, rano		
Object	Property Name	Property Value	
2B : 2B (Wire ID = 1845 )	Name	2B	
	Name	20	
Ohioat	Descriptive Norma		
Object 2B_2 : 2B_2 (Wire ID = 1849 )	Property Name	Property Value	
	Name	2B_2	
Object	Property Name	Property Value	
5V : 5V (Wire ID = 1853 )	IREF	P[1,2,4]	
	Name	5V	
Object	Property Name	Property Value	
5V : 5V (Wire ID = 1855 )	IREF	P[1,2,4]	
	Name	5V	
Object	Property Name	Property Value	
5V : 5V (Wire ID = 1859 )	IREF	P[1,2,4]	
	Name	5V	
Object	1		
Object	Property Name	Property Value	
	Property Name	Property Value P[1,2,4]	
5V : 5V (Wire ID = 1861 )			
	IREF	P[1,2,4]	
	IREF	P[1,2,4]	
5V : 5V (Wire ID = 1861 )	IREF Name	P[1,2,4] 5V	
5V : 5V (Wire ID = 1861 )  Object	IREF Name  Property Name	P[1,2,4] 5V  Property Value	
5V : 5V (Wire ID = 1861 )  Object	Property Name	P[1,2,4] 5V  Property Value P[1,2,4]	
5V : 5V (Wire ID = 1861 )  Object	Property Name	P[1,2,4] 5V  Property Value P[1,2,4]	
5V: 5V (Wire ID = 1861)  Object  5V: 5V (Wire ID = 1863)  Object	Property Name IREF Name	P[1,2,4] 5V  Property Value P[1,2,4] 5V	
5V: 5V (Wire ID = 1861)  Object  5V: 5V (Wire ID = 1863)	Property Name IREF Name Property Name Property Name	P[1,2,4] 5V  Property Value P[1,2,4] 5V  Property Value	
5V: 5V (Wire ID = 1861)  Object  5V: 5V (Wire ID = 1863)  Object	Property Name IREF Name  Property Name IREF Name  Property Name IREF	P[1,2,4] 5V  Property Value P[1,2,4] 5V  Property Value P[1,2,4]	
5V: 5V (Wire ID = 1861)  Object  5V: 5V (Wire ID = 1863)  Object	Property Name IREF Name  Property Name IREF Name  Property Name IREF	P[1,2,4] 5V  Property Value P[1,2,4] 5V  Property Value P[1,2,4]	
5V: 5V (Wire ID = 1861)  Object  5V: 5V (Wire ID = 1863)  Object  5V: 5V (Wire ID = 1865)	Property Name IREF Name  Property Name IREF Name  Property Name IREF Name	Property Value P[1,2,4] 5V  Property Value P[1,2,4] 5V  Property Value P[1,2,4] 5V	
5V: 5V (Wire ID = 1861)  Object  5V: 5V (Wire ID = 1863)  Object  5V: 5V (Wire ID = 1865)	Property Name IREF Name  Property Name IREF Name  Property Name IREF Name  Property Name	Property Value	
5V: 5V (Wire ID = 1861)  Object  5V: 5V (Wire ID = 1863)  Object  5V: 5V (Wire ID = 1865)	Property Name IREF Name  Property Name IREF Name  Property Name IREF Name  Property Name IREF Name	Property Value   P[1,2,4]   5V	
5V: 5V (Wire ID = 1861)  Object  5V: 5V (Wire ID = 1863)  Object  5V: 5V (Wire ID = 1865)	Property Name IREF Name  Property Name IREF Name  Property Name IREF Name  Property Name IREF Name	Property Value   P[1,2,4]   5V	
5V: 5V (Wire ID = 1861)  Object 5V: 5V (Wire ID = 1863)  Object 5V: 5V (Wire ID = 1865)  Object 5V: 5V (Wire ID = 1867)	Property Name IREF Name  Property Name IREF Name  Property Name IREF Name  Property Name IREF Name	Property Value   Prop	

Object	Property Name	Property Value	
	IREF	P[1,2,4]	
5V : 5V (Wire ID = 1871 )	Name	5V	
	<u> </u>	<u> </u>	
Object	Property Name	Property Value	
5V : 5V (Wire ID = 1873 )	IREF	P[1,2,4]	
	Name	5V	
Object	Property Name	Property Value	
5V : 5V (Wire ID = 1875 )	IREF	P[1,2,4]	
	Name	5V	
Object	Property Name	Property Value	
5V : 5V (Wire ID = 1877 )	IREF	P[1,2,4]	
<u> </u>	Name	5V	
Object	Property Name	Property Value	
5V : 5V (Wire ID = 1879 )	IREF	P[1,2,4]	
	Name	5V	
Object	Property Name	Property Value	
GND : GND (Wire ID = 1883 )	IREF	P[1,2,4,5]	
·	Name	GND	
Object	Property Name	Property Value	
GND : GND (Wire ID = 1885 )	IREF	P[1,2,4,5]	
•	Name	GND	
Object	Property Name	Property Value	
GND : GND (Wire ID = 1887 )	IREF	P[1,2,4,5]	
. ,	Name	GND	
Object	Property Name	Property Value	
GND : GND (Wire ID = 1889 )	IREF	P[1,2,4,5]	
·	Name	GND	
Object	Property Name	Property Value	
GND : GND (Wire ID = 1891 )	IREF	P[1,2,4,5]	
. ,	Name	GND	
Object	Property Name	Property Value	
GND : GND (Wire ID = 1893 )	IREF	P[1,2,4,5]	
,	Name	GND	
Object	Property Name	Property Value	
Object GND : GND (Wire ID = 1895 )	Property Name	Property Value P[1,2,4,5]	

Object	Property Name	Property Value
GND : GND (Wire ID = 1897 )	IREF	P[1,2,4,5]
,	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 1899 )	IREF	P[1,2,4,5]
(1111 1 1111 (1111 11 11 11 11 11 11 11	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 1901 )	IREF	P[1,2,4,5]
, , ,	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 1903 )	IREF	P[1,2,4,5]
	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 1905 )	IREF	P[1,2,4,5]
G.12 : G.12 (1.1.6 : 2 = 1000 )	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 1907 )	IREF	P[1,2,4,5]
,	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 1909 )	IREF	P[1,2,4,5]
	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 1911 )	IREF	P[1,2,4,5]
, , ,	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 1913 )	IREF	P[1,2,4,5]
, , ,	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 1915 )	IREF	P[1,2,4,5]
, , , , , , , , , , , , , , , , , , ,	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 1917 )	IREF	P[1,2,4,5]
, , , , , , , , , , , , , , , , , , ,	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 1919 )	IREF	P[1,2,4,5]
SIND : SIND (WING ID = 1010)	Name	GND

Property Name	Property Value	
IREF	P[1]	
Name	IO10	
Property Name	Property Value	
IREF		
Name	IO11	
Duanante Nama	Duam auto Valora	
Name	102	
Property Name	Property Value	
IREF	P[1]	
Name	103	
Property Name	Property Value	
Name	IO5	
I Duran auto Nama	I Burn out a Malana	
ivame	106	
Property Name	Property Value	
IREF	P[1,3]	
Name	108	
Property Name	Property Value	
IREF	P[1,3]	
Name	IO8	
Name	108	
Name Property Name	Property Value	
Property Name	Property Value P[1,3]	
Name Property Name	Property Value	
Property Name IREF Name	Property Value P[1,3] 108	
Property Name	Property Value P[1,3]	
Property Name IREF Name	Property Value P[1,3] 108  Property Value P[1]	
Property Name IREF Name Property Name	Property Value P[1,3] 108  Property Value	
Property Name IREF Name  Property Name IREF	Property Value P[1,3] 108  Property Value P[1]	
Property Name IREF Name  Property Name IREF Name	Property Value P[1,3] 108  Property Value P[1] 109	
Property Name IREF Name  Property Name IREF	Property Value P[1,3] 108  Property Value P[1]	
Property Name IREF Name  Property Name IREF Name  Property Name IREF Name	Property Value P[1,3] 108  Property Value P[1] 109  Property Value	
Property Name IREF Name  Property Name IREF Name  Property Name IREF Name  Property Name Name	Property Value P[1,3] 108  Property Value P[1] 109  Property Value MS1_X	
Property Name IREF Name  Property Name IREF Name  Property Name IREF Name  Property Name Name  Property Name	Property Value P[1,3] 108  Property Value P[1] 109  Property Value MS1_X  Property Value	
Property Name IREF Name  Property Name IREF Name  Property Name IREF Name  Property Name Name	Property Value P[1,3] 108  Property Value P[1] 109  Property Value MS1_X	
Property Name IREF Name  Property Name IREF Name  Property Name IREF Name  Property Name Name  Property Name	Property Value P[1,3] 108  Property Value P[1] 109  Property Value MS1_X  Property Value	
Property Name IREF Name  Property Name IREF Name  Property Name IREF Name  Property Name Name  Property Name	Property Value P[1,3] 108  Property Value P[1] 109  Property Value MS1_X  Property Value	
	Property Name IREF Name  Property Name IREF Name	Property Name

Object	Proporty Name	Proporty Value
Object MS1_Y: MS1_Y (Wire ID = 1957)	Property Name	Property Value  MS1_Y
	Hamo	WO (_)
Object	Property Name	Property Value
MS2_X : MS2_X (Wire ID = 1963 )	Name	MS2_X
Object	Property Name	Property Value
MS2_X : MS2_X (Wire ID = 1965 )	Name	MS2_X
	Name	IVIOZ_A
Object	Property Name	Property Value
MS2_Y : MS2_Y (Wire ID = 1971 )	Name	MS2_Y
Object	Dranauty Nama	Dramarty Value
Object MS2_Y: MS2_Y (Wire ID = 1973)	Property Name	Property Value  MS2 Y
	Name	MSZ_Y
Object	Property Name	Property Value
MS3_X : MS3_X (Wire ID = 1979 )	Name	MS3_X
	Τ=	Ta
Object MS3_X: MS3_X (Wire ID = 1981)	Property Name	Property Value
INCO_X : INCO_X (WHO ID = 1001)	Name	MS3_X
Object	Property Name	Property Value
MS3_Y : MS3_Y (Wire ID = 1987 )	Name	MS3_Y
		•
Object  MS3_Y : MS3_Y (Wire ID = 1989 )	Property Name	Property Value
WIGG_1 : WIGG_1 (WITE ID = 1909)	Name	MS3_Y
Object	Property Name	Property Value
N01995 : N01995 (Wire ID = 1995 )	Name	N01995
		•
		T
Object N01997 : N01997 (Wire ID = 1997 )	Property Name	Property Value
1401331 . 1401331 (WILE ID = 1331 )	Name	N01997
Object	Property Name	Property Value
N01999 : N01999 (Wire ID = 1999 )	Name	N01999
	* * *	
Object	Property Name	Property Value
N01999 : N01999 (Wire ID = 2001 )	Name	N01999
Object	Property Name	Property Value
N01999 : N01999 (Wire ID = 2003 )	Name	N01999
	Namo	1401000
Object	Property Name	Property Value
N01999 : N01999 (Wire ID = 2005 )	Name	N01999

Object	Property Name	Property Value
N01999 : N01999 (Wire ID = 2007 )	Name	N01999
Object	Property Name	Property Value
GND : GND (Wire ID = 2015 )	IREF	P[1,2,4,5]
	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 2019 )	IREF	P[1,2,4,5]
	Name	GND
Object	Property Name	Property Value
	Name	5V
5V	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE
	Source Symbol	VCC
	OriginalSymbolOrigin	(-10,10)
Object	Property Name	Property Value
	Name	12V
12V	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD\DON
124	Source Symbol	VCC
	OriginalSymbolOrigin	(-10,10)
Object	Property Name	Property Value
	Name	5V
5)/	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD\DON
5V	Source Symbol	VCC
	OriginalSymbolOrigin	(-10,10)
Object	Property Name	Property Value
	Name	12V
12V	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD\DON
	Source Symbol	VCC
	OriginalSymbolOrigin	(-10,10)
Object	Property Name	Property Value
	Name	GND
GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD\DOM
	Source Symbol	GND
	OriginalSymbolOrigin	(-10,0)
Object	Property Name	Property Value
	Name	5V
5V	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD\DOM
	Source Symbol	VCC

VCC (-10,10)

Object	Property Name	Property Value
	Name	5V
5V	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD\D
JV	Source Symbol	VCC
	OriginalSymbolOrigin	(-10,10)
Object	Property Name	Property Value
	Name	GND
GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD\D
GND	Source Symbol	GND
	OriginalSymbolOrigin	(-10,0)
Object	Property Name	Property Value
	Name	GND
GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD\D
	Source Symbol	GND
	OriginalSymbolOrigin	(-10,0)
Object	Property Name	Property Value
	Name	5V
5V	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE\VELOPBOARD\D
	Source Symbol	VCC
	OriginalSymbolOrigin	(-10,10)
Object	Property Name	Property Value
	Name	GND
GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD\D
	Source Symbol	GND
	OriginalSymbolOrigin	(-10,0)
Object	Property Name	Property Value
		5V
5V	Name	57
••	Name Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE
•		D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD\E VCC
	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE
	Source Library Source Symbol	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD\E VCC
Object	Source Library Source Symbol	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD\E VCC
	Source Library Source Symbol OriginalSymbolOrigin	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD\E VCC (-10,10)
Object	Source Library Source Symbol OriginalSymbolOrigin  Property Name	D:\ALLEGRO\PROJECT\CANHMA\CNCMACHINEDE\VELOPBOARD\D VCC (-10,10)  Property Value
Object IO8 : IO8	Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Net ID	D:\ALLEGRO\PROJECT\CANHMA\CNCMACHINEDE\VELOPBOARD\C \text{VCC} (-10,10)  Property Value  108 4241
Object	Source Library Source Symbol OriginalSymbolOrigin  Property Name Name	D:\ALLEGRO\PROJECT\CANHMA\CNCMACHINEDE VCC (-10,10)  Property Value 108
Object IO8 : IO8	Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Net ID  Property Name Name Name	D:\ALLEGRO\PROJECT\CANHMA\C\CMACHINEDE\VELOPBOARD\C VCC (-10,10)  Property Value 108 4241  Property Value 102
Object IO8:IO8 Object	Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Net ID  Property Name	D:\ALLEGRO\PROJECT\CANHMA\CNCMACHINEDE\VELOPBOARD\D \VCC (-10,10)  Property Value 108 4241  Property Value
Object IO8 : IO8 Object IO2 : IO2	Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Net ID  Property Name Name Net ID	D:\ALLEGRO\PROJECT\CANHMA\\CNCMACHINEDE\VELOPBOARD\C \text{VCC} \text{(-10,10)}  Property Value \text{IO8} \text{4241}  Property Value \text{IO2} \text{4244}
Object IO8:IO8 Object	Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Net ID  Property Name Name Name	D:\ALLEGRO\PROJECT\CANHMA\C\CMACHINEDE\VELOPBOARD\C VCC (-10,10)  Property Value 108 4241  Property Value 102
Object IO8 : IO8 Object IO2 : IO2	Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Net ID  Property Name Name Net ID	D:\ALLEGRO\PROJECT\CANHMA\C\CMACHINEDE\VELOPBOARD\C \text{VCC} \text{(-10,10)}  Property Value \text{IO8} \text{4241}  Property Value \text{IO2} \text{4244}  Property Value \text{IO5}
Object  Object  Object  Object  Object	Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Net ID  Property Name Name Name Name Name Name Name Net ID	D:\ALLEGRO\PROJECT\CANHMA\C\CMACHINEDE\VELOPBOARD\C VCC (-10,10)  Property Value 108 4241  Property Value 102 4244  Property Value
Object  Object  Object  Object  Object	Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Net ID  Property Name Name Name Net ID  Property Name Name Name Net ID	D:\ALLEGRO\PROJECT\CANHMA\C\CMACHINEDE\VELOPBOARD\C \text{VCC} \text{(-10,10)}  Property Value \text{IO8} \text{4241}  Property Value \text{IO2} \text{4244}  Property Value \text{IO5}
Object  Object  Object  Object  Object	Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Net ID  Property Name Name Name Net ID  Property Name Name Name Net ID	D:\ALLEGRO\PROJECT\CANHMA\C\CMACHINEDE\VELOPBOARD\C \text{VCC} \text{(-10,10)}  Property Value \text{IO8} \text{4241}  Property Value \text{IO2} \text{4244}  Property Value \text{IO5}
Object  Object  IO2: IO2  Object  IO5: IO5	Source Library Source Symbol OriginalSymbolOrigin  Property Name Name Net ID  Property Name Name Net ID  Property Name Name Net ID	D:\ALLEGRO\PROJECT\CANHMA\\CNCMACHINEDE\VELOPBOARD\C \text{VCC} \text{(-10,10)}  Property Value \text{IO8} \text{4241}  Property Value \text{IO2} \text{4244}  Property Value \text{IO5} \text{4220}

Object	Property Name	Property Value
103:103	Name	IO3
	Net ID	4233

Object	Property Name	Property Value
106 : 106	Name	IO6
	Net ID	4222

Object	Property Name	Property Value
109 : 109	Name	109
	Net ID	4223

Object	Property Name	Property Value
IO10 : IO10	Name	IO10
	Net ID	4224

Object	Property Name	Property Value
5V:5V	Name	5V
	Net ID	4208

Object	Property Name	Property Value
GND : GND	Name	GND
	Net ID	4215

Object	Property Name	Property Value
IO11 : IO11	Name	IO11
	Net ID	4240

Object	Property Name	Property Value	1
	Path Name	TitleBlock0	
	Schematic Path	/	
	ID	107	
	Page Create Date	Monday, October 28, 2024	
	Page Create Time	21:17:34	
	Design Create Date	Monday, October 28, 2024	
	Design Create Time	09:59:52	
	Schematic Create Date	Monday, October 28, 2024	
	Schematic Create Time	09:59:54	
	Doc	CONTROL SCHEMATIC	
	Page Number	3	
	OrgAddr4		
	OrgAddr3		
	OrgAddr2		
	OrgAddr1		
	OrgName		
	Cage Code		
	RevCode	Design by Mai Xuan Canh	
TitleBlock0 : TitleBlock0	Page Count	5	
	Title	CNC MACHINE DEVELOP BOARD	
	TITLEBLOCK0		
	Name	TitleBlock0	
	Design Name	CNCMACHINE	
	Design File Name	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE	VELOPBOARD\DONE_
	Design Modify Date	Sunday, November 10, 2024	
	Design Modify Time	19:08:32	
	Schematic Name	SCHEMATIC1	
	Schematic Modify Date	Sunday, November 10, 2024	
	Schematic Modify Time	19:08:34	
	Schematic Page Count	0	
	Schematic Page Number	0	
	Page Size	A	
	Page Modify Date	Sunday, November 10, 2024	
	Page Modify Time	19:08:32	
	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE	VELOPBOARD\DONE_
	Source Symbol	TITLEBLOCK0	
	Page Name	CONTROL	
	OriginalSymbolOrigin	(0,0)	

Object	Property Name	Property Value
	Name	INS1719
	ID	267
	Reference	J10
	Designator	
	Part Reference	J10
INS1719 : J10	Value	LIMIT SWITCH
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	CUI_TBP02R1-381-04BE
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
1 : J10/1	Swap Id	4
	Туре	Passive
	Net Name	109
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
2: J10/2	Swap Id	-1
	Туре	Passive
	Net Name	N01999
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	3
	Number	3
	Swap Id	-1
3: J10/3	Туре	Passive
	Net Name	IO10
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
	Name	4
	Number	4
4 : J10/4	Swap Id	-1
	Туре	Passive
	Net Name	N01999
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS1525
	ID	272
	Reference	U16
	Designator	
	Part Reference	U16
INS1525 : U16	Value	A4988
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	DRV8825
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	E\N\A\B\L\E\
	Number	1
	Swap Id	-1
E\N\A\B\L\E\: U16/E\N\A\B\L\E\	Туре	Input
	Net Name	IO8
	Order	0
	Is No Connect	False

Object	Property Name	Property Value	
	Name	MS1	
	Number	2	
MS1: U16/MS1	Swap Id	-1	
	Туре	Input	
	Net Name	MS1_Y	
	Order	1	
	Is No Connect	False	

Object	Property Name	Property Value
	Name	MS2
	Number	3
MS2 : U16/MS2	Swap Id	-1
	Туре	Input
	Net Name	MS2_Y
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
	Name	MS3
	Number	4
	Swap Id	-1
MS3: U16/MS3	Туре	Input
	Net Name	MS3_Y
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
	Name	R\E\S\E\T\
	Number	5
	Swap Id	-1
R\E\S\E\T\: U16/R\E\S\E\T\	Туре	Input
	Net Name	N01997
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
	Name	S\L\E\E\P\
	Number	6
S\L\E\E\P\: U16/S\L\E\E\P\	Swap Id	-1
	Туре	Input
	Net Name	N01997
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
	Name	STEP
	Number	7
	Swap Id	-1
STEP: U16/STEP	Туре	Input
	Net Name	IO3
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
	Name	DIR
	Number	8
	Swap Id	-1
DIR : U16/DIR	Туре	Input
	Net Name	IO6
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
	Name	GND
	Number	9
GND : U16/GND	Swap Id	-1
	Туре	Power
	Net Name	GND
	Order	8
	Is No Connect	False

Object	Property Name	Property Value
	Name	VDD
	Number	10
	Swap Id	-1
VDD : U16/VDD	Туре	Power
	Net Name	5V
	Order	9
	Is No Connect	False

Object	Property Name	Property Value
	Name	1B
	Number	11
	Swap Id	-1
1B : U16/1B	Туре	Output
	Net Name	1B_2
	Order	10
	Is No Connect	False

Object	Property Name	Property Value
	Name	1A
	Number	12
1A: U16/1A	Swap Id	-1
	Туре	Output
	Net Name	1A_2
	Order	11
	Is No Connect	False

Object	Property Name	Property Value
	Name	2A
	Number	13
	Swap Id	-1
2A : U16/2A	Туре	Output
	Net Name	2A_2
	Order	12
	Is No Connect	False

Object	Property Name	Property Value
	Name	2B
	Number	14
2B : U16/2B	Swap Id	-1
	Туре	Output
	Net Name	2B_2
	Order	13
	Is No Connect	False

Object	Property Name	Property Value
	Name	GND
	Number	15
GND : U16/GND	Swap Id	-1
	Туре	Power
	Net Name	GND
	Order	14
	Is No Connect	False

Object	Property Name	Property Value
	Name	VMOT
	Number	16
	Swap Id	-1
VMOT : U16/VMOT	Туре	Power
	Net Name	12V
	Order	15
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS1631
	ID	289
	Reference	U15
	Designator	
	Part Reference	U15
INS1631 : U15	Value	A4988
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	DRV8825
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
E\N\A\B\L\E\: U15/E\N\A\B\L\E\	Name	E\N\A\B\L\E\
	Number	1
	Swap Id	-1
	Туре	Input
	Net Name	IO8
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	MS1
	Number	2
	Swap Id	-1
MS1: U15/MS1	Туре	Input
	Net Name	MS1_X
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	MS2
	Number	3
MS2: U15/MS2	Swap Id	-1
	Туре	Input
	Net Name	MS2_X
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
	Name	MS3
	Number	4
MS3: U15/MS3	Swap Id	-1
	Туре	Input
	Net Name	MS3_X
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
	Name	R\E\S\E\T\
	Number	5
	Swap Id	-1
R\E\S\E\T\: U15/R\E\S\E\T\	Туре	Input
	Net Name	N01995
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
	Name	S\L\E\E\P\
	Number	6
S\L\E\E\P\: U15/S\L\E\E\P\	Swap Id	-1
	Туре	Input
	Net Name	N01995
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
	Name	STEP
	Number	7
	Swap Id	-1
STEP: U15/STEP	Туре	Input
	Net Name	102
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
	Name	DIR
	Number	8
	Swap Id	-1
DIR : U15/DIR	Туре	Input
	Net Name	IO5
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
	Name	GND
	Number	9
	Swap Id	4
GND: U15/GND	Туре	Power
	Net Name	GND
	Order	8
	Is No Connect	False

Object	Property Name	Property Value
	Name	VDD
	Number	10
	Swap Id	-1
VDD : U15/VDD	Туре	Power
	Net Name	5V
	Order	9
	Is No Connect	False

Object	Property Name	Property Value
	Name	1B
	Number	11
	Swap Id	-1
1B : U15/1B	Туре	Output
	Net Name	1B
	Order	10
	Is No Connect	False

Object	Property Name	Property Value
_	Name	1A
	Number	12
1A: U15/1A	Swap Id	-1
	Туре	Output
	Net Name	1A
	Order	11
	Is No Connect	False

Object	Property Name	Property Value
	Name	2A
	Number	13
	Swap Id	-1
2A : U15/2A	Туре	Output
	Net Name	2A
	Order	12
	Is No Connect	False

Object	Property Name	Property Value
	Name	2B
	Number	14
	Swap Id	-1
2B : U15/2B	Туре	Output
	Net Name	2B
	Order	13
	Is No Connect	False

Object	Property Name	Property Value
	Name	GND
	Number	15
GND: U15/GND	Swap Id	-1
	Туре	Power
	Net Name	GND
	Order	14
	Is No Connect	False

Object	Property Name	Property Value
	Name	VMOT
	Number	16
VMOT : U15/VMOT	Swap Id	-1
	Туре	Power
	Net Name	12V
	Order	15
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS1737
	ID	306
	Reference	S2
	Designator	
	Part Reference	\$2
INS1737 : S2	Value	DIP3_X_254
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	A6S3104H
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value	
	Name	COM_1	
	Number	1	
COM_1 : S2/COM_1	Swap Id	-1	
	Туре	Bidirectional	
	Net Name	5V	
	Order	0	
	Is No Connect	False	

Object	Property Name	Property Value
	Name	NO_1
	Number	2
NO_1 : S2/NO_1	Swap Id	-1
	Туре	Bidirectional
	Net Name	MS1_X
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	COM_2
	Number	3
COM_2: S2/COM_2	Swap Id	-1
	Туре	Bidirectional
	Net Name	5V
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
	Name	NO_2
	Number	4
NO_2 : S2/NO_2	Swap Id	-1
	Туре	Bidirectional
	Net Name	MS2_X
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
	Name	COM_3
	Number	5
COM_3: S2/COM_3	Swap Id	-1
	Туре	Bidirectional
	Net Name	5V
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
	Name	NO_3
	Number	6
NO_3: S2/NO_3	Swap Id	-1
	Туре	Bidirectional
	Net Name	MS3_X
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS1759
	ID	313
	Reference	R20
	Designator	
	Part Reference	R20
INS1759 : R20	Value	10K
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC1508X55N
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
1:R20/1	Swap Id	-1
	Туре	Passive
	Net Name	108
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
2 : R20/2	Swap Id	-1
	Туре	Passive
	Net Name	5V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS1567
	ID	316
	Reference	J20
	Designator	
	Part Reference	J20
INS1567 : J20	Value	X MOTOR
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	CUI_TBP02R1-381-04BE
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
1 : J20/1	Swap Id	-1
	Туре	Passive
	Net Name	1A
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
2 : J20/2	Swap Id	-1
	Туре	Passive
	Net Name	1B
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	3
	Number	3
	Swap Id	-1
3 : J20/3	Туре	Passive
	Net Name	2A
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
	Name	4
	Number	4
	Swap Id	4
4 : J20/4	Туре	Passive
	Net Name	2B
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS1773
	ID	321
	Reference	C38
	Designator	
	Part Reference	C38
INS1773 : C38	Value	100nF
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	WCAP-CSGP_0603_W
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
1 : C38/1	Name	1
	Number	1
	Swap Id	-1
	Туре	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
	Swap Id	-1
2 : C38/2	Туре	Passive
	Net Name	5V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS1673
	ID	324
	Reference	J34
	Designator	
	Part Reference	J34
INS1673 : J34	Value	FAN 5V
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	SAMTEC_ESQ-102-48-L-S
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	01
	Number	01
	Swap Id	-1
01 : J34/01	Туре	Passive
	Net Name	5V
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	02
	Number	02
	Swap Id	-1
02 : J34/02	Туре	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS1585
	ID	334
	Reference	J22
	Designator	
INS1585 : J22	Part Reference	J22
	Value	Z MOTOR
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	CUI_TBP02R1-381-03BE
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
1 : J22/1	Number	1
	Swap Id	-1
	Туре	Passive
	Net Name	5V
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : J22/2	Name	2
	Number	2
	Swap Id	-1
	Туре	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
3 : J22/3	Name	3
	Number	3
	Swap Id	-1
	Туре	Passive
	Net Name	IO11
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS1787
	ID	327
	Reference	S3
	Designator	
	Part Reference	S3
INS1787 : S3	Value	DIP3_Y_254
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	A6S3104H
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	COM_1
	Number	1
	Swap Id	-1
COM_1 : S3/COM_1	Туре	Bidirectional
	Net Name	5V
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	NO_1
	Number	2
NO_1: S3/NO_1	Swap Id	-1
	Туре	Bidirectional
	Net Name	MS1_Y
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	COM_2
	Number	3
COM_2: S3/COM_2	Swap Id	-1
	Туре	Bidirectional
	Net Name	5V
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
	Name	NO_2
	Number	4
	Swap Id	-1
NO_2: S3/NO_2	Туре	Bidirectional
	Net Name	MS2_Y
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
	Name	COM_3
	Number	5
COM_3: S3/COM_3	Swap Id	-1
	Туре	Bidirectional
	Net Name	5V
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
	Name	NO_3
	Number	6
	Swap Id	-1
NO_3 : \$3/NO_3	Туре	Bidirectional
	Net Name	MS3_Y
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS1687
	ID	338
	Reference	J21
	Designator	
	Part Reference	J21
INS1687 : J21	Value	Y MOTOR
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	CUI_TBP02R1-381-04BE
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
	Swap Id	-1
1 : J21/1	Туре	Passive
	Net Name	1A_2
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
	Swap Id	-1
2 : J21/2	Туре	Passive
	Net Name	1B_2
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	3
	Number	3
3: J21/3	Swap Id	-1
	Туре	Passive
	Net Name	2A_2
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
	Name	4
	Number	4
4 : J21/4	Swap Id	-1
	Туре	Passive
	Net Name	2B_2
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS1601
	ID	343
	Reference	C33
	Designator	
	Part Reference	C33
INS1601 : C33	Value	47uF/50V
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAPPRD500W50D630H1120
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	N
	Number	N
N : C33/N	Swap Id	-1
	Туре	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	Р
	Number	Р
	Swap Id	-1
P : C33/P	Туре	Passive
	Net Name	12V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS1705
	ID	346
	Reference	C32
	Designator	
	Part Reference	C32
INS1705 : C32	Value	47uF/50V
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	CAPPRD500W50D630H1120
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	N
	Number	N
N : C32/N	Swap Id	-1
	Туре	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
P : C32/P	Name	Р
	Number	P
	Swap Id	-1
	Туре	Passive
	Net Name	12V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS1615
	ID	349
	Reference	J33
	Designator	
	Part Reference	J33
INS1615 : J33	Value	SELECT PIN
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	TE_5-146281-3
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
1: J33/1	Swap Id	-1
	Туре	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2 : J33/2	Name	2
	Number	2
	Swap Id	-1
	Туре	Passive
	Net Name	N01999
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
3: J33/3	Name	3
	Number	3
	Swap Id	-1
	Туре	Passive
	Net Name	5V
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
	Name	102532
	Left	478
	Тор	242
Rectangle	Right	544
	Bottom	256
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
Rectangle	Name	102534
	Left	450
	Тор	296
	Right	538
	Bottom	310
	Fill Style	Hollow Fill
	Hatch Style	Horizontal Hatch

Object	Property Name	Property Value
	Name	102528
	Bounding Box Left	482
Change TX RX	Bounding Box Right	544
	Bounding Box Top	244
	Bounding Box Bottom	253
	Text	Change TX RX
	Text Location X-Coordinate	482
	Text Location Y-Coordinate	244
	Font	Courier New

Object	Property Name	Property Value	
	Name	102530	
	Bounding Box Left	452	
Differential Pair	Bounding Box Right	539	
	Bounding Box Top	298	
	Bounding Box Bottom	306	
	Text	Differential Pair	
	Text Location X-Coordinate	452	
	Text Location Y-Coordinate	298	
	Font	Courier New	

Object	Property Name	Property Value
5V : 5V (Wire ID = 2416 )	IREF	P[1,2,4]
	Name	5V

Object	Property Name	Property Value
5V : 5V (Wire ID = 2418 )	IREF	P[1,2,4]
	Name	5V

Object	Property Name	Property Value
5V : 5V (Wire ID = 2420 )	IREF	P[1,2,4]
	Name	5V

Object	Property Name	Property Value
5V : 5V (Wire ID = 2422 )	IREF	P[1,2,4]
3V . 3V (WIII O ID = 2422 )	Name	5V
Object	Property Name	Property Value
5V : 5V (Wire ID = 2424 )	IREF	P[1,2,4]
, ,	Name	5V
Object	Property Name	Property Value
5V : 5V (Wire ID = 2426 )	IREF	P[1,2,4]
	Name	5V
Object	Property Name	Property Value
5V : 5V (Wire ID = 2430 )	IREF	P[1,2,4]
	Name	5V
Object	Property Name	Property Value
5V : 5V (Wire ID = 2432 )	IREF	P[1,2,4]
, ,	Name	5V
Object	Property Name	Property Value
5V : 5V (Wire ID = 2434 )	IREF	P[1,2,4]
	Name	5V
Object	Property Name	Property Value
GND : GND (Wire ID = 2438 )	IREF	P[1,2,4,5]
,	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 2440 )	IREF	P[1,2,4,5]
, ,	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 2444 )	IREF	P[1,2,4,5]
,	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 2446 )	IREF	P[1,2,4,5]
CH2: CH2 (Hill I2 = 2.1.0)	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 2450 )	IREF	P[1,2,4,5]
, ,	Name	GND
Object	Property Name	Property Value
Object  GND: GND (Wire ID = 2454)	Property Name	Property Value P[1,2,4,5]
Object GND : GND (Wire ID = 2454 )		

Object	Property Name	Property Value
GND : GND (Wire ID = 2456 )	IREF	P[1,2,4,5]
· ,	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 2458 )	IREF	P[1,2,4,5]
CIAD : CIAD (WIIC ID = 2400)	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 2460 )	IREF	P[1,2,4,5]
CIAD : CIAD (WIIC ID = 2400)	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 2462 )	IREF	P[1,2,4,5]
GND . GND (WITE ID = 2402 )	Name	GND
	•	•
Object	Property Name	Property Value
Object OND ONE OF ORDER	Property Name	Property Value P[1,2,4,5]
GND : GND (Wire ID = 2464 )	Name	GND
	Namo	0.00
Object	Property Name	Property Value
GND : GND (Wire ID = 2466 )	IREF	P[1,2,4,5]
	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 2468 )	IREF	P[1,2,4,5]
	Name	GND
Object	Property Name	Property Value
N02470 : N02470 (Wire ID = 2470 )	Name	N02470
Object	Property Name	Property Value
N02472 : N02472 (Wire ID = 2472 )	Name	N02472
	•	•
Ohioat	Dramanti, Name	Dramanty Value
<b>Object</b> N02474 : N02474 (Wire ID = 2474 )	Property Name	Property Value
, · · · · · · · · · · · · · · · · · · ·	Name	N02474
	1-	1-
Object	Property Name	Property Value
USB_D+ : USB_D+ (Wire ID = 2480 )	DIFFERENTIAL_PAIR	USB
	Name	USB_D+
	<u> </u>	1-
Object	Property Name	Property Value
USB_D+ : USB_D+ (Wire ID = 2482 )	DIFFERENTIAL_PAIR	USB
	Name	USB_D+
Object	Property Name	Property Value
USB_D-: USB_D- (Wire ID = 2488)	DIFFERENTIAL_PAIR	USB
00B_B= . 00B_B= (Wife ID = 2400 )	Name	USB_D-

Object	Property Name	Property Value
USB_D- : USB_D- (Wire ID = 2490 )	DIFFERENTIAL_PAIR	USB
	Name	USB_D-
Object	Property Name	Property Value
JSB_RX : USB_RX (Wire ID = 2496 )	IREF	P[1]
	Name	USB_RX
Object	Property Name	Property Value
USB_RX : USB_RX (Wire ID = 2498 )	IREF	P[1]
	Name	USB_RX
Object	Property Name	Property Value
USB_RX : USB_RX (Wire ID = 2500 )	IREF	P[1]
	Name	USB_RX
Object	Property Name	Property Value
USB_TX : USB_TX (Wire ID = 2504 )	IREF	P[1]
	Name	USB_TX
Object	Property Name	Property Value
USB_TX : USB_TX (Wire ID = 2506 )	IREF	P[1]
	Name	USB_TX
	T	
Object	Property Name	Property Value
Object USB_TX : USB_TX (Wire ID = 2508 )	IREF	P[1]
	IREF	P[1] USB_TX
USB_TX : USB_TX (Wire ID = 2508 )	IREF	P[1]
USB_TX : USB_TX (Wire ID = 2508 )  Object	IREF Name	P[1] USB_TX
	IREF Name  Property Name	P[1] USB_TX  Property Value
USB_TX : USB_TX (Wire ID = 2508 )  Object	Property Name	P[1] USB_TX  Property Value P[1]
USB_TX : USB_TX (Wire ID = 2508 )  Object  USB_TX : USB_TX (Wire ID = 2510 )  Object	Property Name	P[1] USB_TX  Property Value P[1]
USB_TX : USB_TX (Wire ID = 2508 )  Object  USB_TX : USB_TX (Wire ID = 2510 )  Object	Property Name IREF Name	P[1] USB_TX  Property Value P[1] USB_TX
USB_TX : USB_TX (Wire ID = 2508 )  Object  USB_TX : USB_TX (Wire ID = 2510 )  Object	Property Name IREF Name Property Name Property Name	P[1] USB_TX  Property Value P[1] USB_TX  Property Value
USB_TX : USB_TX (Wire ID = 2508 )  Object  USB_TX : USB_TX (Wire ID = 2510 )  Object  XI : XI (Wire ID = 2512 )	Property Name IREF Name Property Name Property Name	P[1] USB_TX  Property Value P[1] USB_TX  Property Value
USB_TX : USB_TX (Wire ID = 2508 )  Object	Property Name IREF Name  Property Name IREF Name  Name	Property Value Property Value Property Value Property Value XI
USB_TX : USB_TX (Wire ID = 2508 )  Object  USB_TX : USB_TX (Wire ID = 2510 )  Object  XI : XI (Wire ID = 2512 )	Property Name IREF Name  Property Name Property Name Name  Property Name	Property Value Property Value Property Value Property Value XI  Property Value
USB_TX : USB_TX (Wire ID = 2508 )  Object  USB_TX : USB_TX (Wire ID = 2510 )  Object  XI : XI (Wire ID = 2512 )  Object  XI : XI (Wire ID = 2514 )	Property Name IREF Name  Property Name Property Name Name  Property Name	Property Value Property Value Property Value Property Value XI  Property Value
USB_TX : USB_TX (Wire ID = 2508 )  Object  USB_TX : USB_TX (Wire ID = 2510 )  Object  XI : XI (Wire ID = 2512 )  Object  XI : XI (Wire ID = 2514 )	Property Name IREF Name  Property Name IREF Name  Property Name Name  Name	Property Value Property Value Property Value Property Value XI  Property Value XI
USB_TX : USB_TX (Wire ID = 2508 )  Object  USB_TX : USB_TX (Wire ID = 2510 )  Object  XI : XI (Wire ID = 2512 )  Object  XI : XI (Wire ID = 2514 )	Property Name IREF Name  Property Name Property Name Name  Property Name Name Property Name Name	Property Value Property Value Property Value Property Value XI  Property Value XI  Property Value XI  Property Value
USB_TX : USB_TX (Wire ID = 2508 )  Object  USB_TX : USB_TX (Wire ID = 2510 )  Object  XI : XI (Wire ID = 2512 )	Property Name IREF Name  Property Name Property Name Name  Property Name Name Property Name Name	Property Value Property Value Property Value Property Value XI  Property Value XI  Property Value XI  Property Value

Object	Property Name	Property Value
	Name	GND
GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD\DO
0.15	Source Symbol	GND
	OriginalSymbolOrigin	(-10,0)
Object	Property Name	Property Value
	Name	GND
GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE
	Source Symbol	GND
	OriginalSymbolOrigin	(-10,0)
Object	Property Name	Property Value
	Name	5V
5V	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE
	Source Symbol	VCC
	OriginalSymbolOrigin	(-10,10)
Object	Property Name	Property Value
	Name	5V
5V	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD\D0
	Source Symbol	VCC
	OriginalSymbolOrigin	(-10,10)
Object	Property Name	Property Value
	Name	5V
5V	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE
	Source Symbol	VCC
	OriginalSymbolOrigin	(-10,10)
Object	Property Name	Property Value
	Name	GND
GND	Source Library	D:\ALLEGRO\PROJECT\CANHMA\CNCMACHINEDEVELOPBOARD\DC
	Source Symbol	GND (40.0)
	OriginalSymbolOrigin	(-10,0)
Object	Property Name	Property Value
Object	Name	GND
OND	Source Library	D:\ALLEGRO\PROJECT\CANHMA\\CNCMACHINEDE\VELOPBOARD\DO
GND	Source Symbol	GND
	Original Symbol Origin	(-10,0)
Object	Property Name	Property Value
-	Name	GND
GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD\DC
OND	Source Symbol	GND

(-10,0)

Object	Property Name	Property Value	
	Name	5V	
5V	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE	VELOPBOARD\DONE
	Source Symbol	VCC	
	OriginalSymbolOrigin	(-10,10)	

Object	Property Name	Property Value
USB RX:USB RX	Name	USB_RX
	Net ID	4248

Object	Property Name	Property Value
USB TX:USB TX	Name	USB_TX
	Net ID	4253

Object	Property Name	Property Value	1
	Path Name	TitleBlock0	1
	Schematic Path	1	1
	ID	108	]
	Page Create Date	Monday, October 28, 2024	]
	Page Create Time	11:51:49	
	Design Create Date	Monday, October 28, 2024	
	Design Create Time	09:59:52	
	Schematic Create Date	Monday, October 28, 2024	
	Schematic Create Time	09:59:54	
	Doc	USB SCHEMATIC	
	Page Number	4	
	OrgAddr4		
	OrgAddr3		
	OrgAddr2		
	OrgAddr1		
	OrgName		
	Cage Code		
	RevCode	Design by Mai Xuan Canh	
TitleBlock0 : TitleBlock0	Page Count	5	
	Title	CNC MACHINE DEVELOP BOARD	
	TITLEBLOCK0		
	Name	TitleBlock0	
	Design Name	CNCMACHINE	
	Design File Name	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDI	VELOPBOARD\DONE
	Design Modify Date	Sunday, November 10, 2024	
	Design Modify Time	19:08:32	
	Schematic Name	SCHEMATIC1	
	Schematic Modify Date	Sunday, November 10, 2024	
	Schematic Modify Time	19:08:34	
	Schematic Page Count	0	
	Schematic Page Number	0	
	Page Size	A	
	Page Modify Date	Sunday, November 10, 2024	
	Page Modify Time	19:08:32	
	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDI	VELOPBOARD\DONE.
	Source Symbol	TITLEBLOCK0	
	Page Name	USB	
	OriginalSymbolOrigin	(0,0)	

Object	Property Name	Property Value
	Name	INS2328
	ID	353
	Reference	R19
	Designator	
	Part Reference	R19
	Value	1K
INS2328 : R19	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC1508X55N
	Vendor	Digi-Key
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
1:R19/1	Swap Id	-1
	Туре	Passive
	Net Name	N021942
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
2 : R19/2	Swap Id	-1
	Туре	Passive
	Net Name	USB_TX
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS2236
	ID	356
	Reference	R17
	Designator	
	Part Reference	R17
	Value	1K
INS2236 : R17	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC1508X55N
	Vendor	Digi-Key
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
1:R17/1	Swap Id	-1
	Туре	Passive
	Net Name	N02474
	Order	0
	Is No Connect	False

Object	Property Name	Property Value	
	Name	2	
2:R17/2	Number	2	
	Swap Id	-1	
	Туре	Passive	
	Net Name	5V	
	Order	1	
	Is No Connect	False	

Object	Property Name	Property Value
	Name	INS2342
	ID	359
	Reference	D12
	Designator	
1	Part Reference	D12
	Value	0603
1	Primitive	DEFAULT
	Implementation Type	<none></none>
I	Implementation	
INS2342 : D12	Implementation Path	
	PCB Footprint	LED_KP-1608SURCK
	Vendor	Digi-Key
	SnapEDA_Link	https://www.snapeda.com/parts/KP-1608SURCK/Kingloright/view-part/?ref=
	Description	LED; SMD; 0603; red; 50-150mcd; 1.6x0.8mm; 120; 20mA;
	Package	0603 Kingbright
	MF	Kingbright
	MP	KP-1608SURCK
	Check_prices	https://www.snapeda.com/parts/KP-1608SURCK/Kingbright/view-part/?ref=
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	Α
	Number	1
A : D12/A	Swap Id	-1
	Туре	Passive
	Net Name	N02474
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	С
	Number	2
C : D12/C	Swap Id	-1
	Туре	Passive
	Net Name	USB_TX
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS2250
	ID	362
	Reference	C31
	Designator	
	Part Reference	C31
INS2250 : C31	Value	22pF 0603
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	WCAP-CSGP_0603_W
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
1 : C31/1	Swap Id	-1
	Туре	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
2: C31/2	Swap Id	-1
	Туре	Passive
	Net Name	XI
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS2356
	ID	365
	Reference	C30
	Designator	
	Part Reference	C30
INS2356 : C30	Value	22pF 0603
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	WCAP-CSGP_0603_W
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
	Swap Id	-1
1 : C30/1	Туре	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
	Swap Id	-1
2:C30/2	Туре	Passive
	Net Name	XO
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS2264
	ID	368
	Reference	R16
	Designator	
	Part Reference	R16
	Value	1K
INS2264 : R16	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC1508X55N
	Vendor	Digi-Key
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
	Swap Id	-1
1:R16/1	Туре	Passive
	Net Name	N02472
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
	Swap Id	-1
2 : R16/2	Туре	Passive
	Net Name	5V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS2370
	ID	371
	Reference	Y5
	Designator	
	Part Reference	Y5
	Value	12Mhz 5032 4 pin
INS2370 : Y5	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	XTAL_ECS-2712-10-30B-RWY-TR
	Vendor	Digi-Key
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	IN/OUT
	Number	1
	Swap Id	-1
IN/OUT : Y5/IN/OUT	Туре	Bidirectional
	Net Name	XO
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	GND
	Number	2
	Swap Id	-1
GND : Y5/GND	Туре	Power
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	OUT/IN
	Number	3
	Swap Id	-1
OUT/IN: Y5/OUT/IN	Туре	Bidirectional
	Net Name	XI
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
	Name	GND
	Number	4
	Swap Id	-1
GND: Y5/GND	Туре	Power
	Net Name	GND
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS2278
	ID	376
	Reference	J13
	Designator	
	Part Reference	J13
	Value	USB_TYPEB
INS2278 : J13	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	SAMTEC_USBR-B-S-S-O-TH
	Vendor	Digi-Key
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value	
SHIELD : J13/SHIELD	Name	SHIELD	
	Number	S1	
	Swap Id	-1	
	Туре	Passive	
	Net Name	GND	
	Order	0	
	Is No Connect	False	

Object	Property Name	Property Value
	Name	SHIELD_1
	Number	S2
SHIELD_1: J13/SHIELD_1	Swap Id	-1
	Туре	Passive
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	VCC
	Number	1
VCC : J13/VCC	Swap Id	-1
	Туре	Power
	Net Name	5V
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
	Name	D-
	Number	2
	Swap Id	-1
D- : J13/D-	Туре	Bidirectional
	Net Name	USB_D-
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
	Name	D+
	Number	3
D+: J13/D+	Swap Id	-1
	Туре	Bidirectional
	Net Name	USB_D+
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
	Name	GND
	Number	4
GND : J13/GND	Swap Id	-1
	Туре	Power
	Net Name	GND
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS2180
	ID	383
	Reference	C29
	Designator	
	Part Reference	C29
	Value	10uF 0603
INS2180 : C29	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	Vendor	Digi-Key
	PCB Footprint	WCAP-CSGP_0603_W
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
	Swap Id	-1
1: C29/1	Туре	Passive
	Net Name	N02470
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
2 : C29/2	Swap Id	-1
	Туре	Passive
	Net Name	5V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS2388
	ID	386
	Reference	C27
	Designator	
	Part Reference	C27
	Value	10uF 0603
INS2388 : C27	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	Vendor	Digi-Key
	PCB Footprint	WCAP-CSGP_0603_W
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
1 : C27/1	Swap Id	-1
	Туре	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
2:C27/2	Swap Id	-1
	Туре	Passive
	Net Name	5V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS2194
	ID	389
	Reference	U3
	Designator	
	Part Reference	U3
	Value	CH340G
INS2194 : U3	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	SOIC127P600X180-16N
	Vendor	Digi-Key
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	GND
	Number	1
GND: U3/GND	Swap Id	-1
	Туре	Power
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	TXD
	Number	2
TXD: U3/TXD	Swap Id	-1
	Туре	Output
	Net Name	N021941
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	RXD
	Number	3
RXD: U3/RXD	Swap Id	-1
	Туре	Input
	Net Name	N021942
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
	Name	V3
	Number	4
V3 : U3/V3	Swap Id	-1
	Туре	Power
	Net Name	N02470
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
	Name	UD+
	Number	5
UD+: U3/UD+	Swap Id	-1
	Туре	Bidirectional
	Net Name	USB_D+
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
	Name	UD-
	Number	6
UD- : U3/UD-	Swap Id	-1
	Туре	Bidirectional
	Net Name	USB_D-
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
	Name	XI
	Number	7
	Swap Id	-1
XI : U3/XI	Туре	Input
	Net Name	XI
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
	Name	XO
	Number	8
XO: U3/XO	Swap Id	-1
	Туре	Output
	Net Name	XO
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
	Name	C\T\S\
	Number	9
C\T\S\: U3/C\T\S\	Swap Id	-1
	Туре	Input
	Net Name	
	Order	8
	Is No Connect	True

Object	Property Name	Property Value
	Name	D\S\R\
	Number	10
	Swap Id	-1
D\S\R\: U3/D\S\R\	Туре	Input
	Net Name	
	Order	9
	Is No Connect	True

Object	Property Name	Property Value
	Name	R\I\
	Number	11
R\I\: U3/R\I\	Swap Id	-1
	Туре	Input
	Net Name	
	Order	10
	Is No Connect	True

Object	Property Name	Property Value
	Name	D\C\D\
	Number	12
D\C\D\: U3/D\C\D\	Swap Id	-1
	Туре	Input
	Net Name	
	Order	11
	Is No Connect	True

Object	Property Name	Property Value
	Name	D\T\R\
	Number	13
D\T\R\: U3/D\T\R\	Swap Id	-1
	Туре	Output
	Net Name	
	Order	12
	Is No Connect	True

Object	Property Name	Property Value
	Name	R\T\S\
	Number	14
	Swap Id	-1
R\T\S\ : U3/R\T\S\	Туре	Output
	Net Name	
	Order	13
	Is No Connect	True

Object	Property Name	Property Value
	Name	RS232
	Number	15
RS232 : U3/RS232	Swap Id	-1
	Туре	Input
	Net Name	
	Order	14
	Is No Connect	True

Object	Property Name	Property Value
	Name	VCC
	Number	16
	Swap Id	-1
VCC : U3/VCC	Туре	Power
	Net Name	5V
	Order	15
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS2300
	ID	406
	Reference	C28
	Designator	
	Part Reference	C28
	Value	100nF 0603
INS2300 : C28	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	Vendor	Digi-Key
	PCB Footprint	WCAP-CSGP_0603_W
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
	Swap Id	4
1 : C28/1	Туре	Passive
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
2 : C28/2	Number	2
	Swap Id	-1
	Туре	Passive
	Net Name	5V
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS2402
	ID	409
	Reference	R18
	Designator	
	Part Reference	R18
	Value	1K
INS2402 : R18	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC1508X55N
	Vendor	Digi-Key
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
	Swap Id	-1
1 : R18/1	Туре	Passive
	Net Name	N021941
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
2 : R18/2	Swap Id	4
	Туре	Passive
	Net Name	USB_RX
	Order	1
	Is No Connect	False

Object	Property Name	Property Value	
	Name	INS2314	
	ID	412	
	Reference	D11	
	Designator		
	Part Reference	D11	
	Value	0603	
	Primitive	DEFAULT	
	Implementation Type	<none></none>	
	Implementation		
INS2314 : D11	Implementation Path		
	PCB Footprint	LED_KP-1608SURCK	
	Vendor	Digi-Key	
	SnapEDA_Link	https://www.snapeda.com/parts/KP-1608SURCK/Kingl	pright/view-part/?ref=sn
	Description	LED; SMD; 0603; red; 50-150mcd; 1.6x0.8mm; 120; 20	lmA;
	Package	0603 Kingbright	
	MF	Kingbright	
	MP	KP-1608SURCK	
	Check_prices	https://www.snapeda.com/parts/KP-1608SURCK/Kingl	pright/view-part/?ref=ed
	OriginalSymbolOrigin	(0,0)	

Object	Property Name	Property Value
	Name	Α
	Number	1
	Swap Id	-1
A: D11/A	Туре	Passive
	Net Name	N02472
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	С
	Number	2
C : D11/C	Swap Id	-1
	Туре	Passive
	Net Name	USB_RX
	Order	1
	Is No Connect	False

Object	Duran auto Mana	Dun marke Walter
Object 3V3 : 3V3 (Wire ID = 2775 )	Property Name	Property Value
	Name	3V3
Object	Property Name	Property Value
3V3 : 3V3 (Wire ID = 2781 )	Name	3V3
	Name	373
Object	Property Name	Property Value
CS_LLS : CS_LLS (Wire ID = 2785 )	Name	CS_LLS
		•
Object	Property Name	Property Value
CS_LLS : CS_LLS (Wire ID = 2787 )	Name	CS_LLS
	<u> </u>	1 -
Object DI_LLS: DI_LLS (Wire ID = 2793)	Property Name	Property Value
DI_LES : DI_LES (WIII	Name	DI_LLS
Ohioat	Droporty Name	Proporty Volus
Object DI_LLS: DI_LLS (Wire ID = 2795)	Property Name	Property Value
	Name	DI_LLS
Object	Property Name	Property Value
DO_LLS : DO_LLS (Wire ID = 2801 )	Name	DO_LLS
	Tamo	50_220
Object	Property Name	Property Value
DO_LLS : DO_LLS (Wire ID = 2803 )	Name	DO_LLS
		<del>_</del>
Object	Property Name	Property Value
GND : GND (Wire ID = 2809 )	IREF	P[1,2,4,5]
	Name	GND
Ohioot	Droporty Name	Dramariy Value
Object	Property Name	Property Value
GND : GND (Wire ID = 2811 )	IREF	P[1,2,4,5]
	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 2813 )	IREF	P[1,2,4,5]
5.15 . 5115 (THIS ID = 2015)	Name	GND
	•	•
Object	Property Name	Property Value
GND : GND (Wire ID = 2815 )	IREF	P[1,2,4,5]
	Name	GND
	15 ( ):	15
Object	Property Name	Property Value
GND : GND (Wire ID = 2817 )	IREF	P[1,2,4,5]
	Name	GND
Object	Proporty Name	Proporty Value
Object	Property Name	Property Value
		D[4.2.4.5]
GND : GND (Wire ID = 2819 )	IREF Name	P[1,2,4,5] GND

Object	Property Name	Property Value
GND : GND (Wire ID = 2821 )	IREF	P[1,2,4,5]
	Name	GND
	T	
Object	Property Name	Property Value
GND : GND (Wire ID = 2823 )	IREF	P[1,2,4,5]
	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 2825 )	IREF	P[1,2,4,5]
GND . GND (Wile ID = 2023 )	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 2827 )	IREF	P[1,2,4,5]
, ,	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 2829 )	IREF	P[1,2,4,5]
	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 2831 )	IREF	P[1,2,4,5]
,	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 2833 )	IREF	P[1,2,4,5]
	Name	GND
Object	Property Name	Property Value
GND : GND (Wire ID = 2835 )	IREF	P[1,2,4,5]
	Name	GND
Ohioot	Branariy Nama	Property Value
Object (CAND CAND CAND CAND CAND CAND CAND CAND	Property Name	P[1,2,4,5]
GND : GND (Wire ID = 2837 )	Name	GND
		,
Object	Property Name	Property Value
MISO : MISO (Wire ID = 2839 )	IREF	P[1]
	Name	MISO
Object	Property Name	Property Value
SCK_LLS : SCK_LLS (Wire ID = 2853 )	Name	SCK_LLS
Object	Property Name	Property Value
SCK_LLS: SCK_LLS (Wire ID = 2855)	Name	SCK_LLS

Object	Property Name	Property Value
	Name	3V3
3V3	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD\
	Source Symbol	VCC
	OriginalSymbolOrigin	(-10,10)
Object	Property Name	Property Value
	Name	3V3
3V3	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBOARD\
	Source Symbol	VCC
	OriginalSymbolOrigin	(-10,10)
Object	Property Name	Property Value
	Name	GND
GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE
	Source Symbol	GND
	OriginalSymbolOrigin	(-10,0)
Object	Property Name	Property Value
	Name	GND
GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE
	Source Symbol	GND
	OriginalSymbolOrigin	(-10,0)
Object	Property Name	Property Value
	Name	GND
GND	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDE
	Source Symbol	GND
	OriginalSymbolOrigin	(-10,0)
Object	Property Name	Property Value
SCK : SCK	Name	SCK
	Net ID	4261
Object	Property Name	Property Value
CS:CS	Name	CS
	Net ID	4266
Object	Property Name	Property Value
MISO : MISO	Name	MISO
	Net ID	4260
Object	Property Name	Property Value

MOSI

Name

MOSI : MOSI

Object	Property Name	Property Value	
	Path Name	TitleBlock0	
	Schematic Path	1	
	ID	109	
	Page Create Date	Tuesday, October 29, 2024	
	Page Create Time	21:45:55	
	Design Create Date	Monday, October 28, 2024	
	Design Create Time	09:59:52	
	Schematic Create Date	Monday, October 28, 2024	
	Schematic Create Time	09:59:54	
	Doc	SDCARD SCHEMAITC	
	Page Number	5	
	OrgAddr4		
	OrgAddr3		
	OrgAddr2		
	OrgAddr1		
	OrgName		
	Cage Code		
	RevCode	Design by Mai Xuan Canh	
TitleBlock0 : TitleBlock0	Page Count	5	
Thioblookseb.co.ks	Title	CNC MACHINE DEVELOP BOARD	
	TITLEBLOCK0		
	Name	TitleBlock0	
	Design Name	CNCMACHINE	
	Design File Name	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBO	ARD\DONE
	Design Modify Date	Sunday, November 10, 2024	
	Design Modify Time	19:08:32	
	Schematic Name	SCHEMATIC1	
	Schematic Modify Date	Sunday, November 10, 2024	
	Schematic Modify Time	19:08:34	
	Schematic Page Count	0	
	Schematic Page Number	0	
	Page Size	A	
	Page Modify Date	Sunday, November 10, 2024	
	Page Modify Time	19:08:32	
	Source Library	D:\ALLEGRO\PROJECT\CANHMAI\CNCMACHINEDEVELOPBO	ARD\DONE
	Source Symbol	TITLEBLOCK0	
	Page Name	SDCARD	
	OriginalSymbolOrigin	(0,0)	

Object	Property Name	Property Value	
	Name	INS2739	,
	ID	415	,
	Reference	J18	,
	Designator		,
	Part Reference	J18	,
	Value	MSD-1-A	,
	Primitive	DEFAULT	,
	Implementation Type	<none></none>	1
	Implementation		1
INS2739 : J18	Implementation Path		
	PCB Footprint	CUI_MSD-1-A	
	SnapEDA_Link	https://www.snapeda.com/parts/MSD-1-A/CUI+Devices/view-part/?re	ef=snap
	Description	Micro SD Card Connector, 9 Positions, Connector and Ejector, Push	In, Auto I
	Package	None	
	CUI_purchase_URL	https://www.cuidevices.com/product/interconnect/connectors/memory	y-card-col
	MF	CUI Devices	ŀ
	MP	MSD-1-A	
	Check_prices	https://www.snapeda.com/parts/MSD-1-A/CUI+Devices/view-part/?re	ef=eda
	OriginalSymbolOrigin	(0,0)	

Object	Property Name	Property Value
	Name	CD
	Number	CD
CD : J18/CD	Swap Id	-1
	Туре	Passive
	Net Name	
	Order	0
	Is No Connect	True

Object	Property Name	Property Value
	Name	COVER_GND
	Number	G2
COVER_GND : J18/COVER_GND	Swap Id	-1
	Туре	Power
	Net Name	GND
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	COVER_GND
	Number	G1
COVER_GND: J18/COVER_GND	Swap Id	-1
	Туре	Power
	Net Name	GND
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
	Name	COVER_GND
	Number	G4
COVER_GND : J18/COVER_GND	Swap Id	-1
	Туре	Power
	Net Name	GND
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
	Name	COVER_GND
	Number	G3
COVER_GND: J18/COVER_GND	Swap Id	-1
	Туре	Power
	Net Name	GND
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
	Name	DAT2
	Number	1
DAT2 : J18/DAT2	Swap Id	-1
	Туре	Bidirectional
	Net Name	
	Order	5
	Is No Connect	True

Object	Property Name	Property Value
	Name	CD/DAT3
	Number	2
CD/DAT3 : J18/CD/DAT3	Swap Id	-1
	Туре	Bidirectional
	Net Name	CS_LLS
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
	Name	CMD
	Number	3
	Swap Id	-1
CMD : J18/CMD	Туре	Bidirectional
	Net Name	DI_LLS
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
	Name	VDD
	Number	4
	Swap Id	-1
VDD : J18/VDD	Туре	Power
	Net Name	3V3
	Order	8
	Is No Connect	False

Object	Property Name	Property Value
	Name	CLK
	Number	5
CLK: J18/CLK	Swap Id	-1
	Туре	Input
	Net Name	SCK_LLS
	Order	9
	Is No Connect	False

Object	Property Name	Property Value
	Name	VSS
	Number	6
	Swap Id	4
VSS: J18/VSS	Туре	Power
	Net Name	GND
	Order	10
	Is No Connect	False

Object	Property Name	Property Value
	Name	DAT0
	Number	7
DAT0 : J18/DAT0	Swap Id	-1
	Туре	Bidirectional
	Net Name	DO_LLS
	Order	11
	Is No Connect	False

Object	Property Name	Property Value
	Name	DAT1
	Number	8
DAT1: J18/DAT1	Swap Id	-1
	Туре	Bidirectional
	Net Name	
	Order	12
	Is No Connect	True

Object	Property Name	Property Value	
-	Name	INS2645	
	ID	429	
	Reference	R23	
	Designator		
	Part Reference	R23	
INS2645 : R23	Value	3K3	
	Primitive	DEFAULT	
	Implementation Type	<none></none>	
	Implementation		
	Implementation Path		
	PCB Footprint	RESC1508X55N	
	OriginalSymbolOrigin	(0,0)	

Object	Property Name	Property Value
	Name	1
1 : R23/1	Number	1
	Swap Id	-1
	Туре	Passive
	Net Name	N026450
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
	Swap Id	-1
2 : R23/2	Туре	Passive
	Net Name	CS
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS2659
	ID	432
	Reference	U17
	Designator	
	Part Reference	U17
INS2659 : U17	Value	74LVC125APW
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	IC_74LVC125APW
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1!OE
	Number	1
	Swap Id	-1
1!OE : U17/1!OE	Туре	Input
	Net Name	GND
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	1A
	Number	2
1A: U17/1A	Swap Id	-1
	Туре	Input
	Net Name	N026591
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	1Y
1Y : U17/1Y	Number	3
	Swap Id	-1
	Туре	Output
	Net Name	DI_LLS
	Order	2
	Is No Connect	False

Object	Property Name	Property Value
	Name	2!OE
	Number	4
	Swap Id	4
2!OE : U17/2!OE	Туре	Input
	Net Name	GND
	Order	3
	Is No Connect	False

Object	Property Name	Property Value
	Name	2A
	Number	5
2A : U17/2A	Swap Id	-1
	Туре	Input
	Net Name	N026594
	Order	4
	Is No Connect	False

Object	Property Name	Property Value
	Name	2Y
	Number	6
2Y : U17/2Y	Swap Id	-1
	Туре	Output
	Net Name	SCK_LLS
	Order	5
	Is No Connect	False

Object	Property Name	Property Value
	Name	GND
	Number	7
GND : U17/GND	Swap Id	-1
	Туре	Power
	Net Name	GND
	Order	6
	Is No Connect	False

Object	Property Name	Property Value
	Name	3Y
	Number	8
3Y: U17/3Y	Swap Id	-1
	Туре	Output
	Net Name	CS_LLS
	Order	7
	Is No Connect	False

Object	Property Name	Property Value
	Name	3A
	Number	9
3A : U17/3A	Swap Id	-1
	Туре	Input
	Net Name	N026450
	Order	8
	Is No Connect	False

Object	Property Name	Property Value
	Name	3!OE
	Number	10
3!OE : U17/3!OE	Swap Id	-1
	Туре	Input
	Net Name	GND
	Order	9
	Is No Connect	False

Object	Property Name	Property Value
	Name	4Y
	Number	11
4Y: U17/4Y	Swap Id	-1
	Туре	Output
	Net Name	MISO
	Order	10
	Is No Connect	False

Object	Property Name	Property Value
	Name	4A
	Number	12
	Swap Id	4
4A : U17/4A	Туре	Input
	Net Name	N0265911
	Order	11
	Is No Connect	False

Object	Property Name	Property Value
	Name	VCC
	Number	13
VCC : U17/VCC	Swap Id	4
	Туре	Power
	Net Name	3V3
	Order	12
	Is No Connect	False

Object	Property Name	Property Value
4IOE : U17/4!OE	Name	4!OE
	Number	14
	Swap Id	-1
	Туре	Input
	Net Name	GND
	Order	13
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS2697
	ID	447
	Reference	R22
	Designator	
	Part Reference	R22
INS2697 : R22	Value	3K3
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC1508X55N
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
1 : R22/1	Name	1
	Number	1
	Swap Id	-1
	Туре	Passive
	Net Name	N026594
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
	Name	2
	Number	2
	Swap Id	-1
2:R22/2	Туре	Passive
	Net Name	SCK
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS2711
	ID	450
	Reference	R21
	Designator	
	Part Reference	R21
INS2711 : R21	Value	3K3
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC1508X55N
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
1 : R21/1	Name	1
	Number	1
	Swap Id	-1
	Туре	Passive
	Net Name	N026591
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2:R21/2	Name	2
	Number	2
	Swap Id	-1
	Туре	Passive
	Net Name	MOSI
	Order	1
	Is No Connect	False

Object	Property Name	Property Value
	Name	INS2725
	ID	453
	Reference	R24
	Designator	
	Part Reference	R24
INS2725 : R24	Value	3K3
	Primitive	DEFAULT
	Implementation Type	<none></none>
	Implementation	
	Implementation Path	
	PCB Footprint	RESC1508X55N
	OriginalSymbolOrigin	(0,0)

Object	Property Name	Property Value
	Name	1
	Number	1
	Swap Id	-1
1 : R24/1	Туре	Passive
	Net Name	N0265911
	Order	0
	Is No Connect	False

Object	Property Name	Property Value
2:R24/2	Name	2
	Number	2
	Swap Id	-1
	Туре	Passive
	Net Name	DO_LLS
	Order	1
	Is No Connect	False