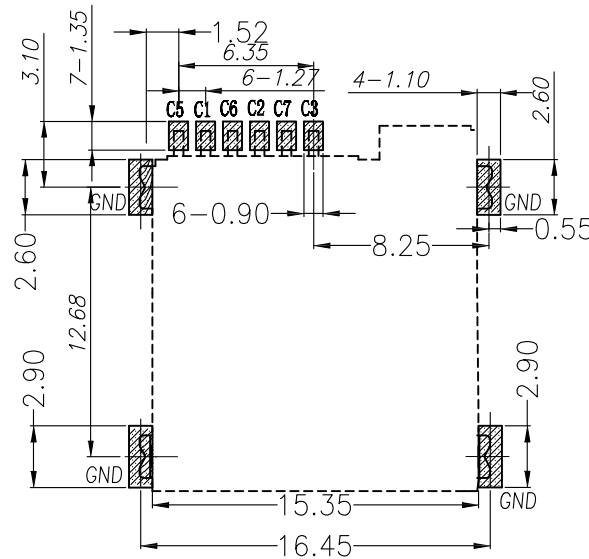
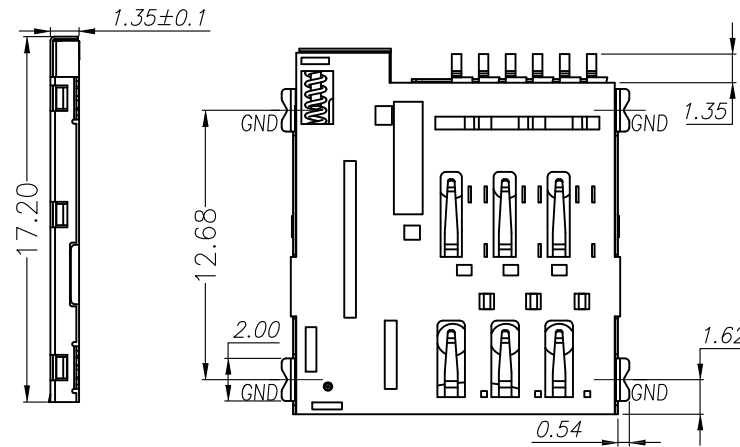
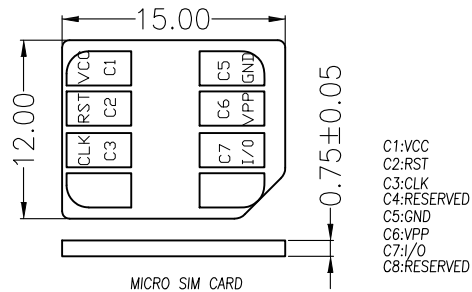
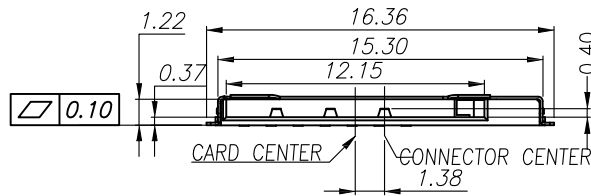
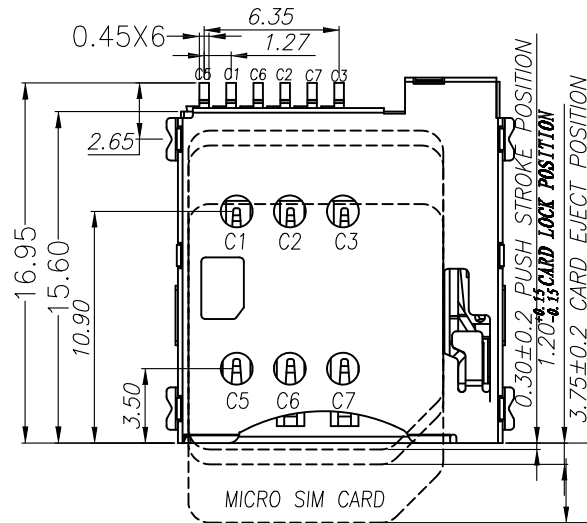


RoHS Compliance

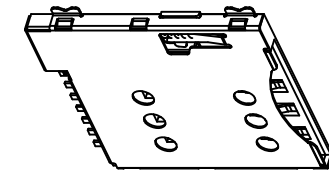


PCB 焊盘区

RECOMMENDED PCB LAYOUT
GENERAL TOLERANCE ±0.05

Material:
Insulator:High Temperature Thermoplastic,UL 94 V-0
Contact:Copper Alloy,Plated 50U" Ni Overall Contact Au 1U
Shell:SUS,Plated 50U" Ni Overall Plated 1u" Au Selective Contact Area

Electrical:
Current Rating: 0.5A Max.
Voltage Rating: 5.5V AC/DC
Contact Resistance:100m Max.
Insulation Resistance:1000M Min./500VDC
Ambient Temperature Range:-40°C~+85°C
Storage Temperature Range:-40°C~+85°C
Ambient Humidity Range:95% R.H. Max.
Peak Temperature:260°C±5°C
Mating Cycles:1500Min Insertions



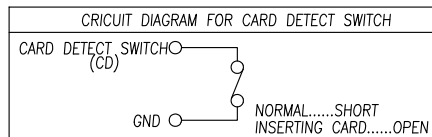
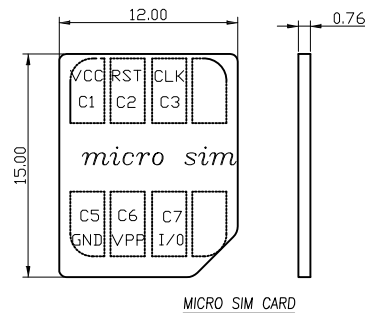
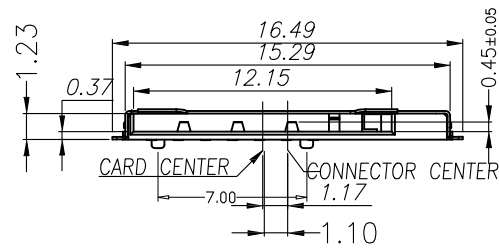
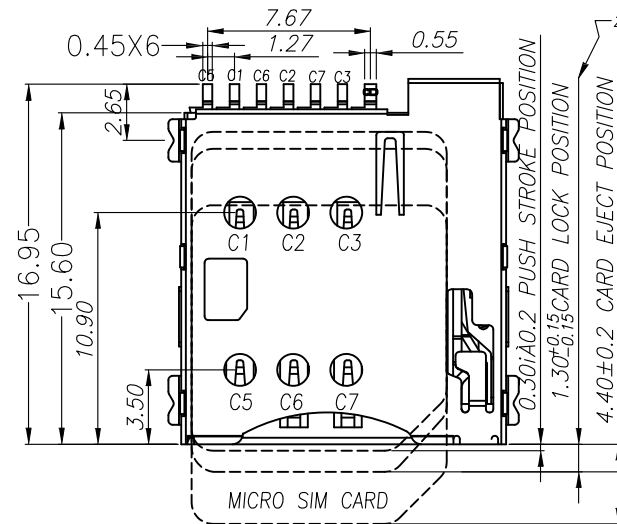
SIM pin assignment	
PIN#	Name
C1	VCC
C2	RST
C3	CLK
C5	GND
C6	VPP
C7	I/O

6	Link	Stainless steel	1PCS	Ni
5	spring	Piano steel	1PCS	Ni
4	Shell	Stainless steel	1PCS	Ni
3	Terminal	Phosphor copper	1set	Au
2	Slider	LCP	1PCS	Black
1	Housing	LCP	1PCS	Black
No.	Part Name	Material	Q'ty	Finish

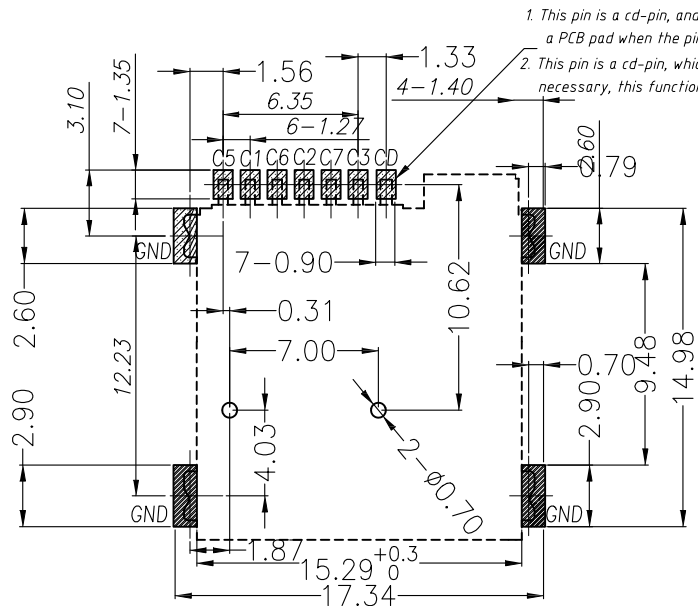
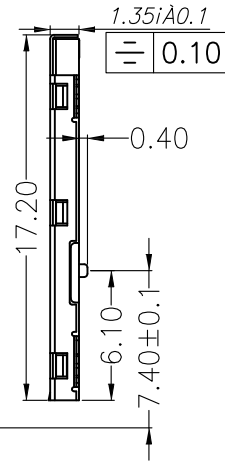
ANGLE TOLERANCE		PROJECTION		Description:	
±3°				Micro SIM CONN;PUSH/PUSH,6Pin,H1.35mm	
GENERAL TOLERANCE		UNITS	mm	KLS P/N:	
x.x ±0.30		SHEET SIZE		A4	
x.xx ±0.20		Draw:		Daniel 2018-07-10	
x.xxx ±0.10		Check:		Daniel 2018-07-10	



NingBo KLS ELECTRONIC CO.,L TD.



1: Standard Card Leakage: 1.30, Standard Card Length 15.00mm
2: Cutting card leakage: 1.0 Cutting card length 14.80 mm



1. This pin is a cd-pin, and it is unnecessary to design a PCB pad when the pin is not needed
2. This pin is a cd-pin, which supports hot swap. If necessary, this function can be designed

SIM pin assignment	
PIN#	Name
C1	VCC
C2	RST
C3	CLK
C5	GND
C6	VPP
C7	I/O

Material:

Insulator:High Temperature

Thermoplastic,UL 94V-0

Contact:Copper Alloy,Plated 50U" Ni Overall

Contact Au 1U

Shell:SUS,Plated 50U" Ni Overall Plated 1u"

Au Selective Contact Area

Electrical:

Current Rating: 0.5A Max.

Voltage Rating: 5V AC/DC

Contact Resistance:100m Max.

Insulation Resistance:1000M Min./500VDC

Ambient Temperature Range:-40°C~+85°C

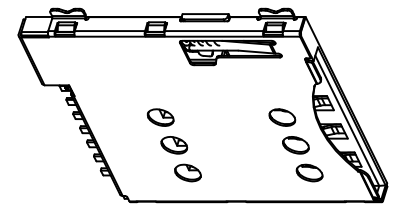
Storage Temperature Range:-40°C~+85°C

Ambient Humidity Range:95% R.H. Max.

Mating Cycles:10000 Insertions

Peak Temperature:260°C±5°C

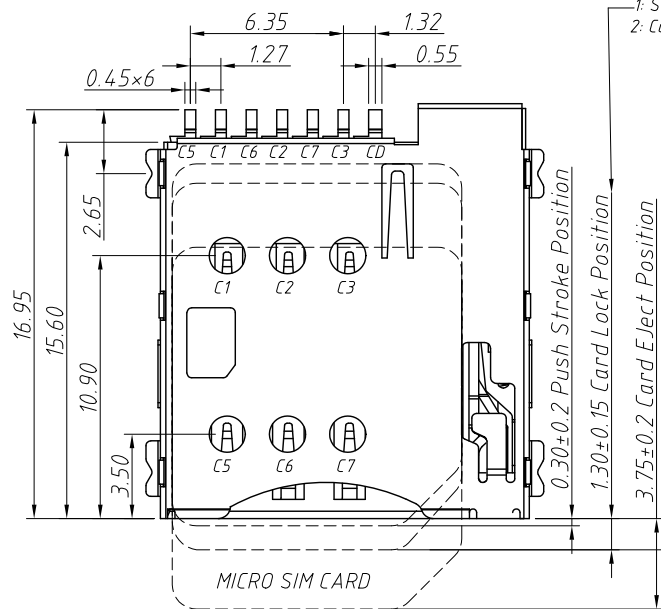
Mating Cycles:5000 Insertions



ANGLE TOLERANCE		PROJECTION		Description:	
±3°				Micro SIM CONN;PUSH/PUSH, 6Pin,H1.35mm,with CD Pin,with Post	
GENERAL TOLERANCE		UNITS	mm	KLS P/N:	L-KLS1-SIM-069-(6+1)P-H1.35-0-R
x.x	±0.30	SHEET SIZE	A4	2018-07-10	NingBo KLS ELECTRONIC CO.,LTD.
x.xx	±0.20				
x.xxx	±0.10	Draw:	Daniel	2018-07-10	
		Check:	Daniel	2018-07-10	

RoHS Compliance

REV	SYM	Revision Record	Appr.	Date
V0	KLS01338	New Version Release	WuHao	2025-05-28



1: Standard Card Leakage: 1.30, Standard Card Length 15.00mm
2: Cutting card leakage: 1.0 Cutting card length 14.80 mm

Material:

Housing:High Temperature

Thermoplastic,UL 94V-0

Contact:Copper Alloy,Plated 50u" Ni Overall

Contact Au 15u"

Shell:SUS,Plated 50u" Ni Overall Plated 15u"

Au Selective Contact Area

Electrical:

Current Rating: 0.5A Max.

Voltage Rating: 5V AC/DC

Contact Resistance:100m Max.

Insulation Resistance:1000M Min./500VDC

Ambient Temperature Range:-20°C~+60°C

Storage Temperature Range:-40°C~+85°C

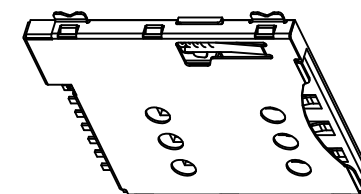
Ambient Humidity Range:95% R.H. Max.

Mating Cycles:1500 Min Insertions

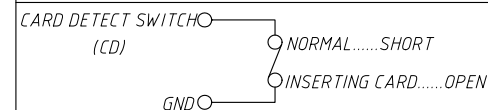
Peak Temperature:260°C±5°C

SIM Pin Assignment

Pin #	Name
C1	VCC
C2	RST
C3	CLK
C5	GND
C6	VPP
C7	I/O



CRICUIT DIAGRAM FOR CARD DETECT SWITCH



PCB AREA

CONTACT AREA

RECOMMENDED PCB LAYOUT
GENERAL TOLERANCE ±0.05

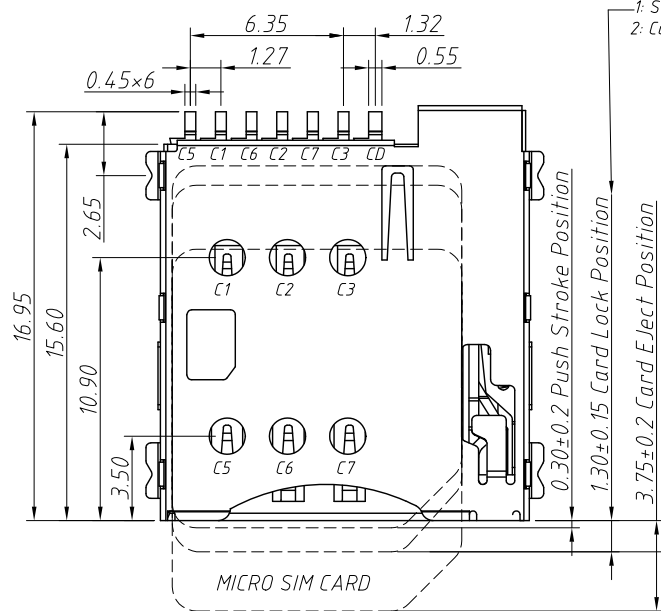
ANGLE TOLERANCE	PROJECTION	Description:
±3°		Micro SIM CONN;PUSH/PUSH, 6Pin,H1.35mm,with CD Pin,with Post
GENERAL TOLERANCE	UNITS	mm
.x ±0.30	SHEET SIZE	A4
.xx ±0.20	Draw:	WuHao 2025-05-28
.xxx ±0.10	Check:	Daniel 2025-05-28



NingBo KLS ELECTRONIC CO.,LTD.

RoHS Compliance

REV	SYM	Revision Record	Appr.	Date
V0	KLS01338	New Version Release	WuHao	2025-05-28



1: Standard Card Leakage: 1.30, Standard Card Length 15.00mm
2: Cutting card leakage: 1.0 Cutting card length 14.80 mm

Material:

Housing: High Temperature

Thermoplastic, UL 94V-0

Contact: Copper Alloy, Plated 50u" Ni Overall

Contact Au 30u"

Shell: SUS, Plated 50u" Ni Overall Plated 30u"

Au Selective Contact Area

Electrical:

Current Rating: 0.5A Max.

Voltage Rating: 5V AC/DC

Contact Resistance: 100m Max.

Insulation Resistance: 1000M Min./500VDC

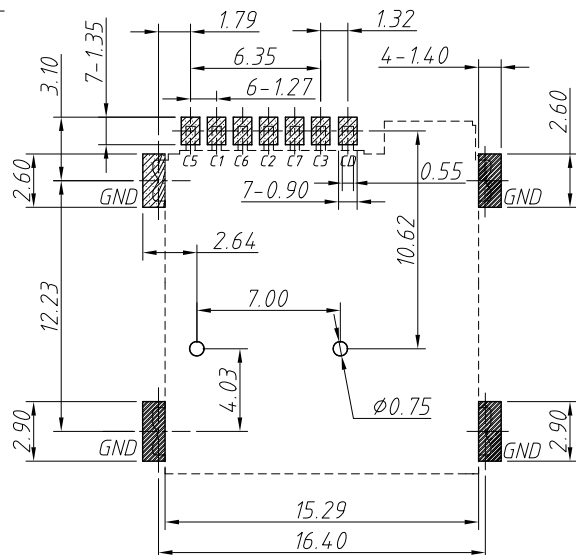
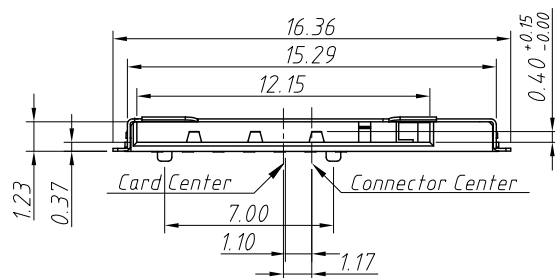
Ambient Temperature Range: -20°C ~ +60°C

Storage Temperature Range: -40°C ~ +85°C

Ambient Humidity Range: 95% R.H. Max.

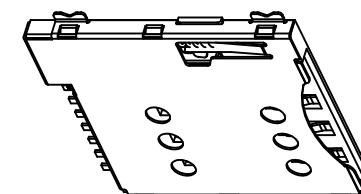
Mating Cycles: 1500 Min Insertions

Peak Temperature: 260°C ±5°C

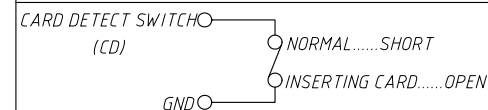


SIM Pin Assignment

Pin #	Name
C1	VCC
C2	RST
C3	CLK
C5	GND
C6	VPP
C7	I/O



CIRCUIT DIAGRAM FOR CARD DETECT SWITCH



PCB AREA

CONTACT AREA

RECOMMENDED PCB LAYOUT

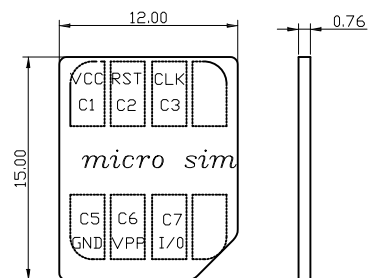
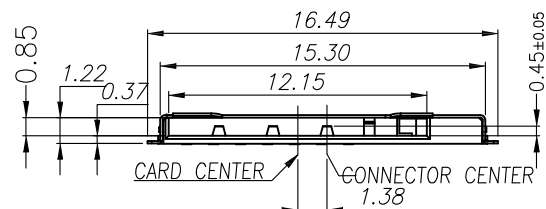
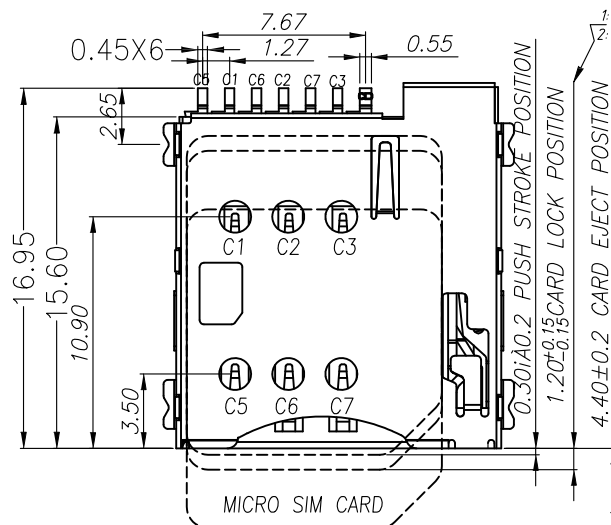
GENERAL TOLERANCE ±0.05

ANGLE TOLERANCE	PROJECTION	Description:
±3°		Micro SIM CONN; PUSH/PUSH, 6Pin, H1.35mm, with CD Pin, with Post
GENERAL TOLERANCE	UNITS	mm
.x ±0.30	SHEET SIZE	A4
.xx ±0.20	Draw:	WuHao 2025-05-28
.xxx ±0.10	Check:	Daniel 2025-05-28

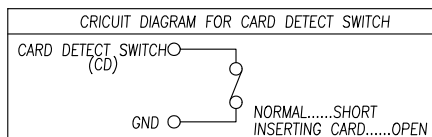


NingBo KLS ELECTRONIC CO.,LTD.

RoHS Compliance

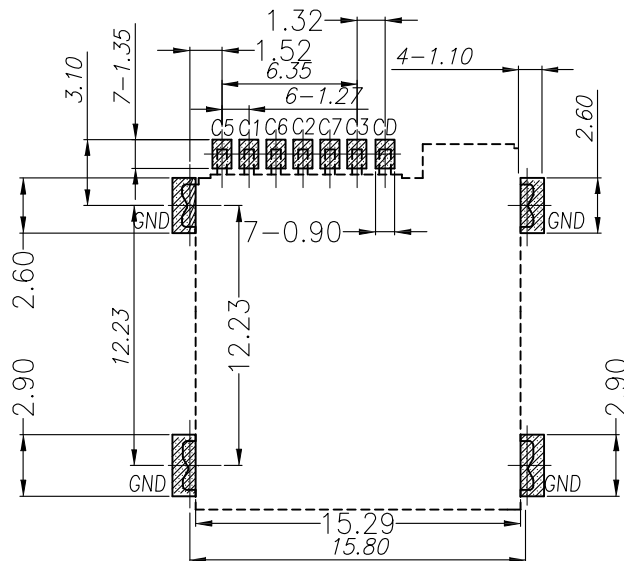


MICRO SIM CARD



1: Standard Card Leakage: 1.30, Standard Card Length 15.00mm
2: Cutting card leakage: 1.0 Cutting card length 14.80 mm

1.35±0.1
0.10



PCB AREA
CONTACT AREA

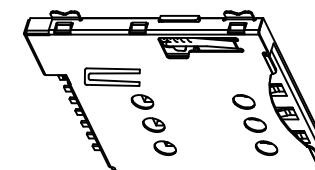
RECOMMENDED PCB LAYOUT
GENERAL TOLERANCE ±0.05

Material:

Insulator: High Temperature Thermoplastic, UL 94 V-0
Contact: Copper Alloy, Plated 50U" Ni Overall Contact Au 1U
Shell: SUS, Plated 50U" Ni Overall Plated 1u" Au Selective Contact Area

Electrical:

Current Rating: 0.5A Max.
Voltage Rating: 125V AC/DC
Contact Resistance: 100m Max.
Insulation Resistance: 1000M Min./500VDC
Ambient Temperature Range: -20°C ~ +60°C
Storage Temperature Range: -40°C ~ +70°C
Ambient Humidity Range: 95% R.H. Max.
Peak Temperature: 260°C ±5°C
Mating Cycles: 5000-10000 Insertions



SIM pin assignment	
PIN#	Name
C1	VCC
C2	RST
C3	CLK
C5	GND
C6	VPP
C7	I/O

ANGLE TOLERANCE	PROJECTION	Description:	
±3°		Micro SIM CONN; PUSH/PUSH, 6Pin, H1.35mm, with CD Pin	
GENERAL TOLERANCE	UNITS	mm	KLS P/N:
x.x ±0.30	SHEET SIZE	A4	L-KLS1-SIM-069-(6+1)P-H1.35-1-R
x.xx ±0.20	Draw:	Daniel	2018-07-10
x.xxx ±0.10	Check:	Daniel	2018-07-10



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