

东莞市硕品电子有限公司

承 认 书

客户名称: _____

产品名称: 0.5mm Pitch 浮动板对板连接器 _____

产品料号: 66A2-XXXXXXXXXX 66A2L-XXXXXXXXXXXX _____

客户料号: _____

承认日期: _____

核准:	审核:	制作:
Lily	WLY	ZDG

客户确认			
核准	工程	品保	采购

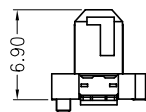
地址: 中国广东省东莞市厚街镇白濠工业街 25 号

电话 (TEL): +86-769-83077497

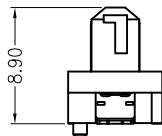
传真 (FAX): +86-769-83003805

邮箱 (E-mail): sales@solepin.com

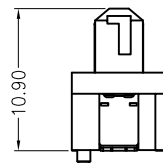
网站 (Web): www.solepin.com



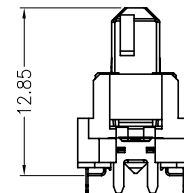
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66A2-MXXXXX 069 R02 (SMT)
固定公头系列



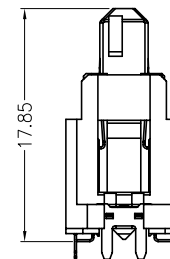
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66A2-MXXXXX 089 R02 (SMT)
固定公头系列



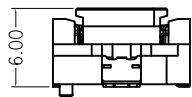
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固定公头系列



66A2-MXXXXX 128 R51 (DIP)
浮动公头系列

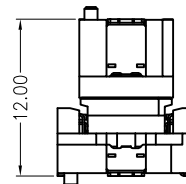
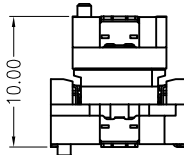
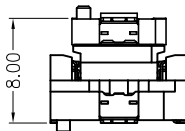


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浮动公头系列

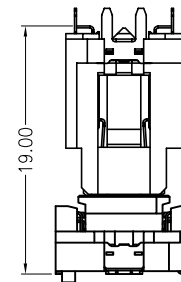
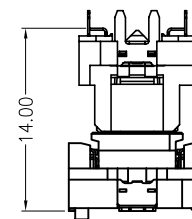


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66A2-FXXXXX 060 R02 (SMT)
浮动母座系列

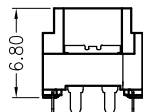
浮动系列
浮动范围:
XY方向±0.5mm



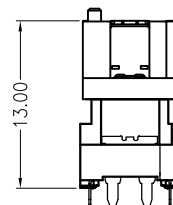
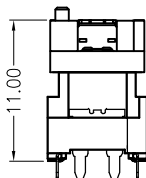
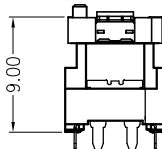
公母都可浮动系列
浮动范围:
XY方向±1.0mm



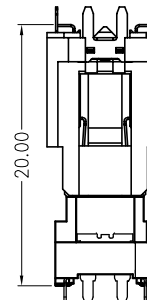
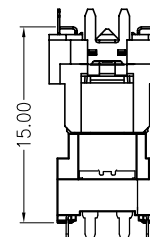
固定系列
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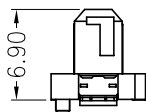


66A2-FXXXXX 068 R51 (DIP)
固定母座系列

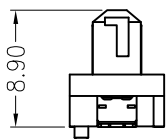


浮动系列
浮动范围:
XY方向±0.5mm

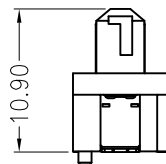




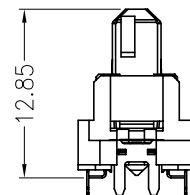
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66A2-MXXXXX 069 R02 (SMT)
固定公头系列



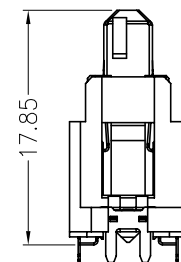
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66A2-MXXXXX 089 R02 (SMT)
固定公头系列



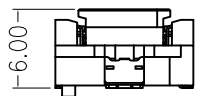
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66A2-MXXXXX 109 R02 (SMT)
固定公头系列



66A2L-MXXXXX 128 R51 (DIP)
浮动公头系列

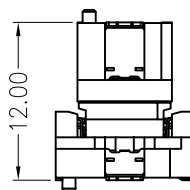
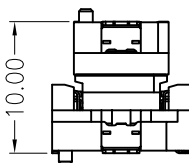
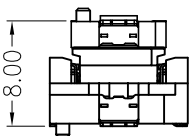


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浮动公头系列

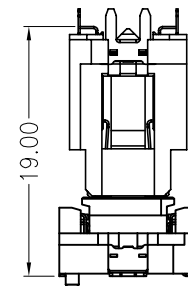
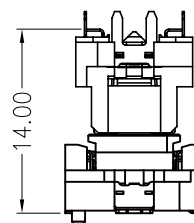


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66A2-FXXXXX 060 R02 (SMT)
浮动母座系列

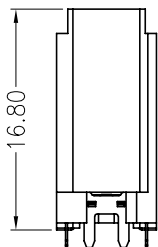
浮动系列
浮动范围:
X Y Z方向 $\pm 0.5\text{mm}$



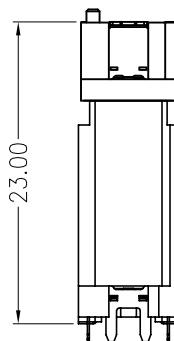
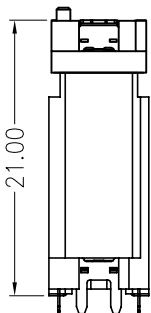
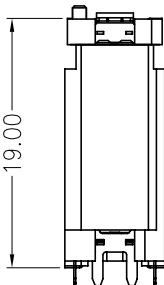
公母都可浮动系列
浮动范围:
X Y Z方向 $\pm 1.0\text{mm}$



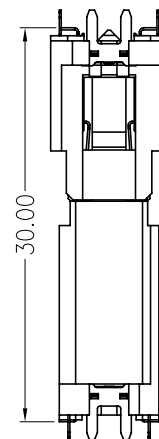
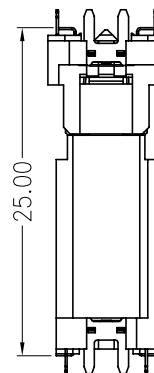
固定系列
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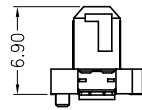


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固定母座系列

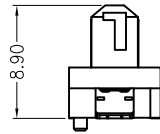


浮动系列
浮动范围:
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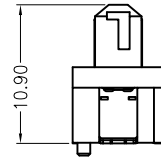




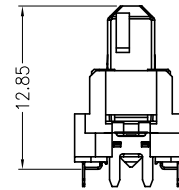
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66A2-MXXXXX 069 R02 (SMT)
固定公头系列



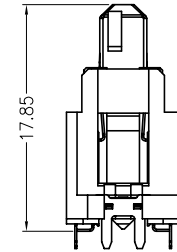
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66A2-MXXXXX 089 R02 (SMT)
固定公头系列



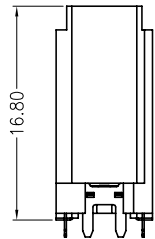
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66A2-MXXXXX 109 R02 (SMT)
固定公头系列



66A2-MXXXXX 128 R51 (DIP)
浮动公头系列

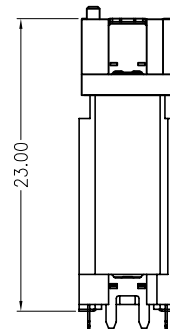
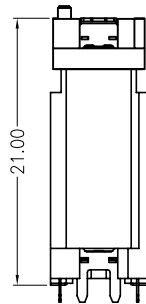
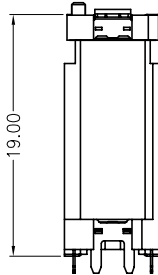


66A2-MXXXXX 178 R51 (DIP)
浮动公头系列

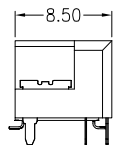
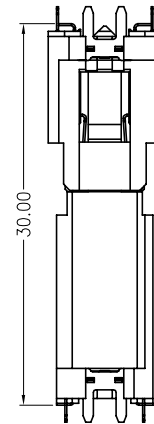
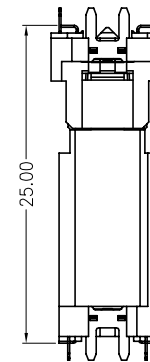


66A2-FXXXXX 168 R51 (DIP)
固定母座系列

固定系列
无浮动

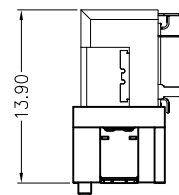
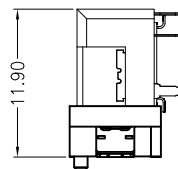


浮动系列
浮动范围：
XY方向±0.5mm

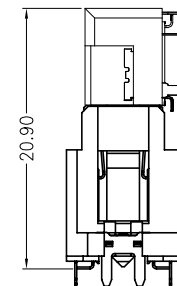
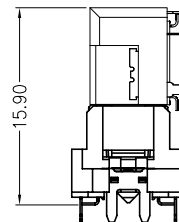


66A2R-FXXXXX 073 R01 (DIP)
卧式90° 固定母座系列

固定系列
无浮动



浮动系列
浮动范围：
XY方向±0.5mm



客户图

NOTES:

1.FINISH:

- 1.1 HOUSING: LCP BLACK,UL94V-0.
- 1.2 CONTACT: COPPER ALLOY, INTEGRAL NICKEL BASE 50u"MIN, GOLD (SEE P/N) PLATED IN CONTACT AREA, GOLD FLASH PLATED IN SOLDER AREA,
- 1.3 GROUND: BRASS, 80u" MIN MATTE TIN PLATED OVER

2. ELECTRICAL:

- 2.1 RATED VOLTAGE: SIGNAL PIN AC 50 V.
POWER PIN AC 200 V.
- 2.2 CURRENT RATING: SIGNAL PIN 0.5A.
POWER PIN 5.0A.
- 2.3 DIELECTRIC WITHSTANDING VOLTAGE: SIGNAL PIN 150V AC/MINUTE.
POWER PIN 600V AC/MINUTE.
- 2.4 CONTACT RESISTANCE: SIGNAL PIN 120mΩ MAX.
POWER PIN 80mΩ MAX.
- 2.5 INSULATION RESISTANCE: SIGNAL PIN 100V DC/0.1S/100MΩ
POWER PIN 250V DC/0.1S/1000MΩ

3.SALT SPRAY TEST:

- 3.1 CONCENTRATION IS 5%, THE TEMPERATURE IS 35±2°C,
TEST TIME 24H MIN,NO OXIDATION OR RUST

4.MAX PROCESSING TEMP:265°C SECONDS 40S

5.OPERATION TEMPERATURE:-40°C TO +125°C.

6.WARRANTY PERIOD: 6 MONTHS

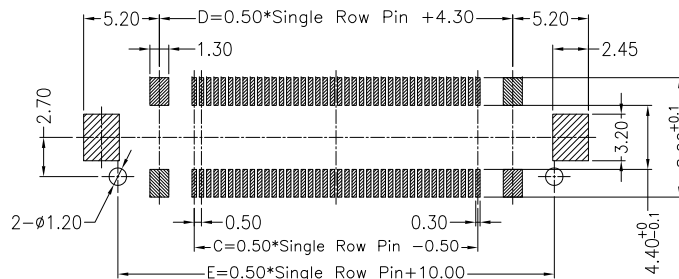
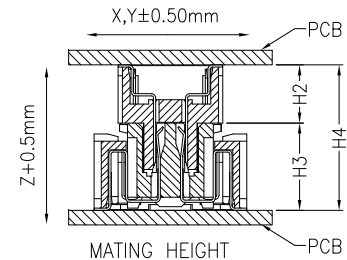
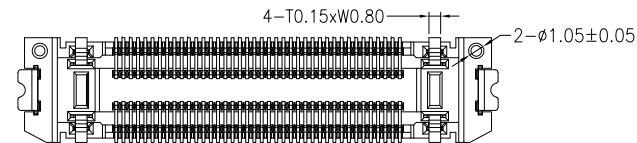
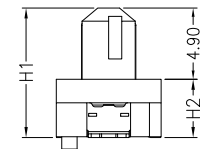
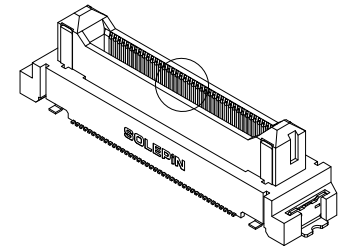
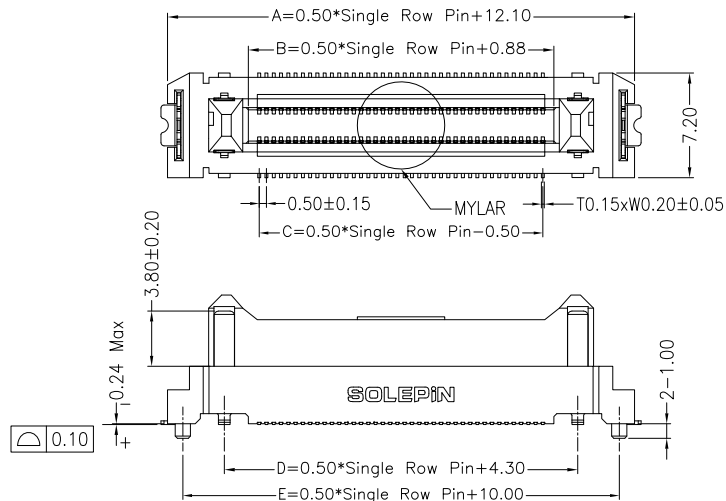
7.ORDER INFORMATION:

66A2-M XXX XX XXX R 02

Pin 数码	端子电镀:	塑胶高度:	包装方式:
SEE TABLE	G0=Gold Flash(全金)	069=6.90mm("H1")	R=TAPE REEL
020=2x10PIN	G1=1u" Gold	089=8.90mm("H1")	
~	G2=3u" Gold	109=10.90mm("H1")	
120=2x60PIN	G3=5u" Gold		
	G4=10u" Gold		
	G5=15u" Gold		
	G6=30u" Gold		

TABLE:

No. OF PIN	A	B	C	D	E
020=2x10PIN	17.10	5.88	4.50	9.30	15.00
030=2x15PIN	19.60	8.38	7.00	11.80	17.50
040=2x20PIN	22.10	10.88	9.50	14.30	20.00
050=2x25PIN	24.60	13.38	12.00	16.80	22.50
060=2x30PIN	27.10	15.88	14.50	19.30	25.00
080=2x40PIN	32.10	20.88	19.50	24.30	30.00
100=2x50PIN	37.10	25.88	24.50	29.30	35.00
120=2x60PIN	42.10	30.88	29.50	34.30	40.00



MATING HEIGHT	H1	H2	H3	H4
8.0mm	6.90	2.00		8.00
10.0mm	8.90	4.00	6.00	10.00
12.0mm	10.90	6.00		12.00

RECOMMENDED PCB LAYOUT(TOP SIDE)
PCB BOARD TOLERANCE±0.05

						OPERATION		DRAW		WLY		2022.05.31		SOLEPiN 东莞市硕品电子有限公司 Professional connector manufacturer DONGGUAN SOLEPIN ELECTRONICS CO., LTD.				
						X.X	±0.40	DESIGN		Jensen		2022.05.31						
A1	2023.03.11	优化图面结构			Mr.Zeng		X.XX	±0.25	CHECK		Jack		2022.05.31		SIZE	A4	PART NO.	66A2-M XXX XX XXX R 02
A0		NEW			——	——	X.XXX	±0.15	APPROVE		Andy		2022.05.31		SHEET	1/1	TITLE:	0.50mm 浮动BTB 公头 直立式SMT TYPE
							Angle	±3°										
REV	DATE	MODIFICATION DESCRIPTION			CHANGE	APPROVE	DIM.	TOL	UNIT	mm	SCALE	1:1	PROJ.		DRAW NO.	SP-134		

客户图

NOTES:

1.FINISH:

- 1.1 HOUSING: LCP BLACK,UL94V-0.
- 1.2 CONTACT: COPPER ALLOY, INTEGRAL NICKEL BASE 50u"MIN, GOLD (SEE P/N) PLATED IN CONTACT AREA, GOLD FLASH PLATED IN SOLDER AREA,
- 1.3 GROUND: BRASS, 80u" MIN MATTE TIN PLATED OVER 50u" MIN NICKEL UNDERPLATED OVERALL.

2. ELECTRICAL:

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POWER PIN AC 200 V.
- 2.2 CURRENT RATING: SIGNAL PIN 0.5A.
POWER PIN 5.0A.
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- 2.4 CONTACT RESISTANCE: SIGNAL PIN 120mΩ MAX.
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TEST TIME 8H MIN, NO OXIDATION OR RUST

4.MAX PROCESSING TEMP:265°C SECONDS 40S

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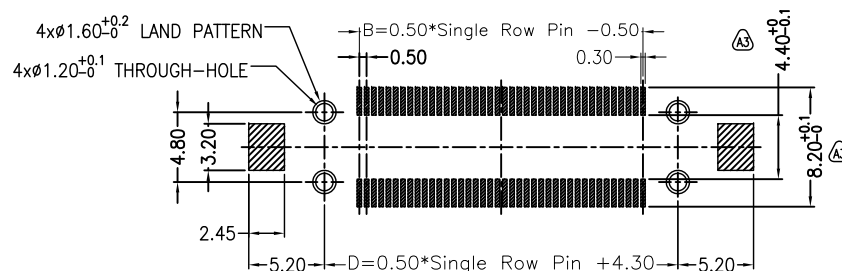
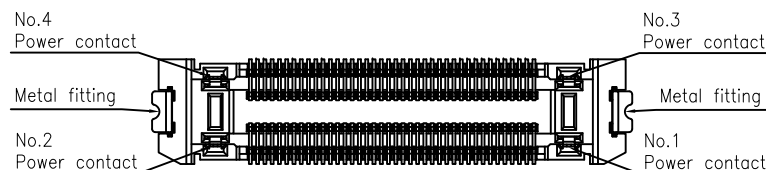
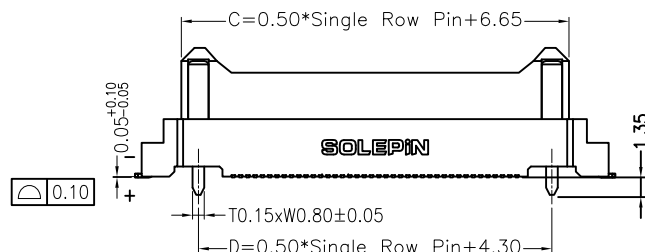
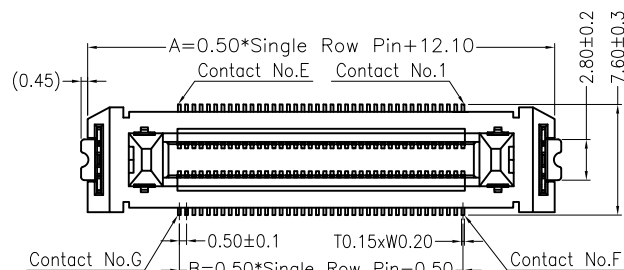
7.ORDER INFORMATION:

66A2-M XXX XX XXX R 01

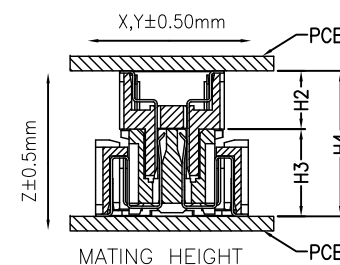
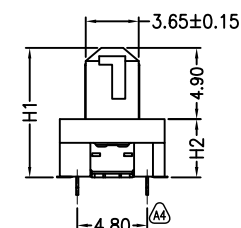
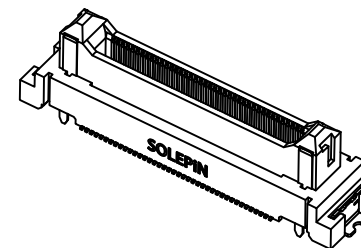
Pin 数码	端子电镀:	塑胶高度:	包装方式:
SEE TABLE	G0=Gold Flash(全金)	069=6.90mm("H1")	R=TAPE REEL
020=2x10PIN	G1=1u" Gold	089=8.90mm("H1")	
~	G2=3u" Gold	109=10.90mm("H1")	
120=2x60PIN	G3=5u" Gold		
	G4=10u" Gold		
	G5=15u" Gold		
	G6=30u" Gold		

TABLE:

No. OF PIN	A	B	C	D
020=2x10PIN	17.10	4.50	11.65	9.30
030=2x15PIN	19.60	7.00	14.15	11.80
040=2x20PIN	22.10	9.50	16.65	14.30
050=2x25PIN	24.60	12.00	19.15	16.80
060=2x30PIN	27.10	14.50	21.65	19.30
080=2x40PIN	32.10	19.50	26.65	24.30
100=2x50PIN	37.10	24.50	31.65	29.30
120=2x60PIN	42.10	29.50	36.65	34.30



RECOMMENDED PCB LAYOUT(TOP SIDE)
PCB BOARD TOLERANCE±0.05



MATING HEIGHT	H1	H2	H3	H4
8.0mm	6.90	2.00		8.00
10.0mm	8.90	4.00	6.00	10.00
12.0mm	10.90	6.00		12.00

A4	2022. 05. 31	电源PIN行距由5.3修改为4.8	WLY		OPERATION	DRAW	WLY	2022.05.31	SOLEPIN 东莞市硕品电子有限公司 Professional connector manufacturer DONGGUAN SOLEPIN ELECTRONICS CO., LTD.			
A3	2022. 04. 15	更新PCB LAYOUT	WLY		X.X ±0.40	DESIGN	Jensen	2022.05.31				
A2	2021. 10. 09	接触电阻由80mΩ MAX. 修改为120mΩ MAX.	WLY		X.XX ±0.25	CHECK	Jack	2022.05.31	SIZE	A4	PART NO.	66A2-MXXXXXXXR01
A0		NEW			X.XXX ±0.15	APPROVE	Andy	2022.05.31	SHEET	1/1	TITLE:	0.50mm 浮动BTB 公头 直立式DIP TYPE
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	APPROVE	Angle ±3°	UNIT	mm	SCALE	1:1	PROJ.	DRAW NO.	SP-132
					DIM. TOL							

客户图

NOTES:

1.FINISH:

- 1.1 HOUSING: LCP BLACK,UL94V-0.
1.2 CONTACT: HIGH CONDUCTIVITY COPPER, INTEGRAL NICKEL BASE 50u"MIN,
GOLD (SEE P/N) PLATED IN CONTACT AREA,
GOLD FLASH PLATED IN SOLDER AREA,
1.3 GROUND: BRASS, 80u" MIN MATTE TIN PLATED OVER

2. ELECTRICAL:

- 2.1 RATED VOLTAGE: SIGNAL PIN AC 50 V.
POWER PIN AC 200 V.
2.2 CURRENT RATING: SIGNAL PIN 0.5A.
POWER PIN 5.0A.
2.3 DIELECTRIC WITHSTANDING VOLTAGE: SIGNAL PIN 150V AC/MINUTE.
POWER PIN 600V AC/MINUTE.
2.4 CONTACT RESISTANCE: SIGNAL PIN 60mΩ MAX.
POWER PIN 60mΩ MAX.
2.5 INSULATION RESISTANCE: SIGNAL PIN 100V DC/0.1S/100MΩ
POWER PIN 250V DC/0.1S/1000MΩ

3.SALT SPRAY TEST:

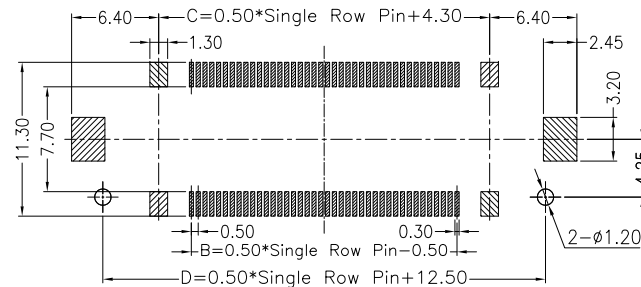
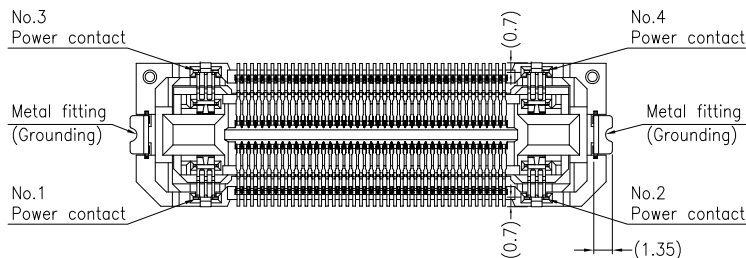
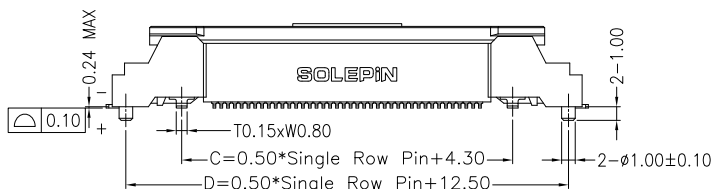
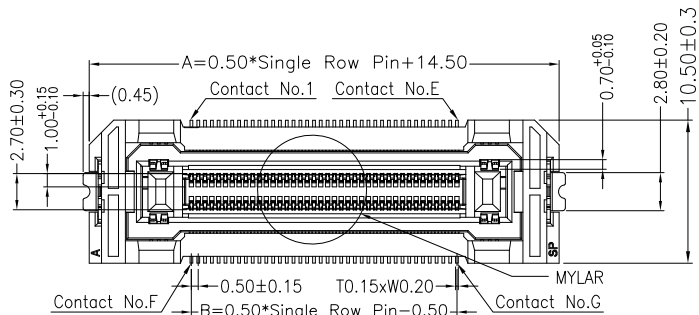
- 3.1 CONCENTRATION IS 5%, THE TEMPERATURE IS 35±2°C,
TEST TIME 8H MIN,NO OXIDATION OR RUST
4.MAX PROCESSING TEMP:265°C SECONDS 40S
5.OPERATION TEMPERATURE:-40°C TO +125°C.
6.WARRANTY PERIOD: 6 MONTHS
7.ORDER INFORMATION:

66A2-F XXX XX 060 R 02

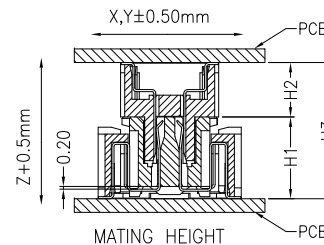
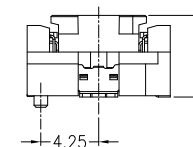
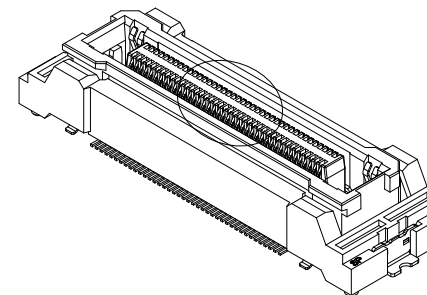
Pin数码	端子电镀:	塑胶高度:	包装方式:
020=2x10PIN	G0=Gold Flash	060=6.00mm("H1")	R=TAPE REEL
~	G1=1u" Gold		
120=2x60PIN	G2=3u" Gold		
	G3=5u" Gold		
	G4=10u" Gold		
	G5=15u" Gold		
	G6=30u" Gold		

TABLE:

No. OF PIN	A	B	C	D
020=2x10PIN	19.50	4.50	9.30	17.50
030=2x15PIN	22.00	7.00	11.80	20.00
040=2x20PIN	24.50	9.50	14.30	22.50
050=2x25PIN	27.00	12.00	16.80	25.00
060=2x30PIN	29.50	14.50	19.30	27.50
080=2x40PIN	34.50	19.50	24.30	32.50
100=2x50PIN	39.50	24.50	29.30	37.50
120=2x60PIN	44.50	29.50	34.30	42.50



RECOMMENDED PCB LAYOUT(TOP SIDE)
PCB BOARD TOLERANCE±0.05



MATING HEIGHT	H1	H2	H3
8.0mm	6.00	2.00	8.00
10.0mm		4.00	10.00
12.0mm		6.00	12.00
14.0mm		8.00	14.00
19.0mm		13.00	19.00

SOLEPIN 东莞市硕品电子有限公司
Professional connector manufacturer DONGGUAN SOLEPIN ELECTRONICS CO., LTD.

					OPERATION		DRAW		Mr.Zeng		2022.05.31		SOLEPiN 东莞市硕品电子有限公司 Professional connector manufacturer DONGGUAN SOLEPIN ELECTRONICS CO., LTD						
					X.X	±0.40	DESIGN		Jensen		2022.05.31								
					X.XX	±0.25	CHECK		Jack		2022.05.31								
A1	2023. 03. 11	优化图面结构			Mr. Zeng		X.XXX	±0.15	APPROVE		Andy		2022.05.31		SIZE	A4	PART NO.	66A2-F XXX XX 060 R 02	
A0		NEW			_____	_____	Angle	±3°							SHEET	1/1	TITLE:	0.50mm 浮动BTB 母座 直立式SMT TYPE	
REV	DATE	MODIFICATION DESCRIPTION			CHANGE	APPROVE	DIM.	TOL	UNIT		mm	SCALE	1:1	PROJ.		DRAW NO.	SP-135		

客户图

NOTES:

1.FINISH:

- 1.1 HOUSING: LCP BLACK,UL94V-0.
- 1.2 CONTACT: COPPER ALLOY, INTEGRAL NICKEL BASE 50u"MIN, GOLD (SEE P/N) PLATED IN CONTACT AREA, GOLD FLASH PLATED IN SOLDER AREA,
- 1.3 GROUND: BRASS, 80u" MIN MATTE TIN PLATED OVER 50u" MIN NICKEL UNDERPLATED OVERALL.

2. ELECTRICAL:

- 2.1 RATED VOLTAGE: SIGNAL PIN AC 50 V.
POWER PIN AC 200 V.
- 2.2 CURRENT RATING: SIGNAL PIN 0.5A.
POWER PIN 5.0A.
- 2.3 DIELECTRIC WITHSTANDING VOLTAGE: SIGNAL PIN 150V AC/MINUTE.
POWER PIN 600V AC/MINUTE.

2.4 CONTACT RESISTANCE: SIGNAL PIN 120mΩ MAX.

POWER PIN 80mΩ MAX.

- 2.5 INSULATION RESISTANCE: SIGNAL PIN 100V DC/0.1S/100MΩ
POWER PIN 250V DC/0.1S/1000MΩ

3.SALT SPRAY TEST:

- 3.1 CONCENTRATION IS 5%, THE TEMPERATURE IS 35±2°C,
TEST TIME 8H MIN,NO OXIDATION OR RUST

4.MAX PROCESSING TEMP:265°C SECONDS 40S

5.OPERATION TEMPERATURE:-40°C TO +125°C.

6.WARRANTY PERIOD: 6 MONTHS

7.ORDER INFORMATION:

66A2-F XXX XX 060 R 01

Pin数码

020=2x10PIN

~

120=2x60PIN

端子电镀:

G0=Gold Flash

G1=1u" Gold

G2=3u" Gold

G3=5u" Gold

G4=10u" Gold

G5=15u" Gold

G6=30u" Gold

塑胶高度:

060=6.00mm("H1")

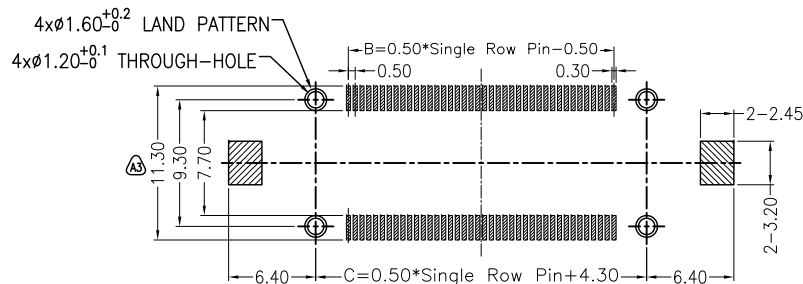
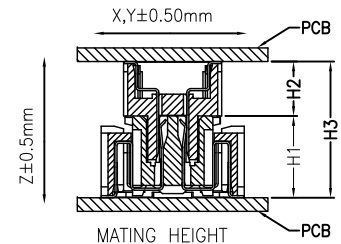
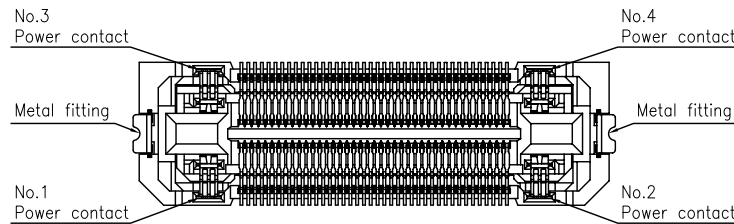
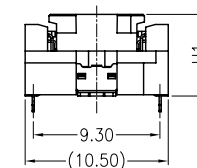
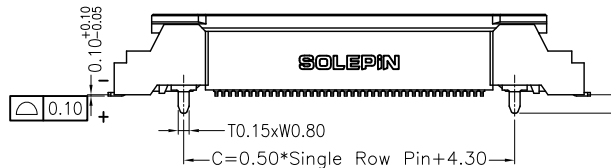
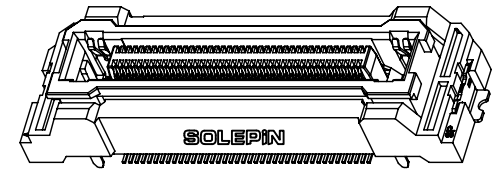
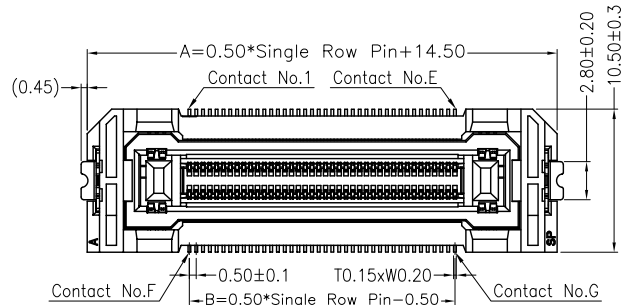
包装方式:

R=TAPE REEL

TABLE:

No. OF PIN	A	B	C
20=2x10PIN	19.50	4.50	9.30
30=2x15PIN	22.00	7.00	11.80
40=2x20PIN	24.50	9.50	14.30
50=2x25PIN	27.00	12.00	16.80
60=2x30PIN	29.50	14.50	19.30
80=2x40PIN	34.50	19.50	24.30
100=2x50PIN	39.50	24.50	29.30
120=2x60PIN	44.50	29.50	34.30

A4	2022.05.31	更新图档			OPERATION	DRAW	WLY	2022.05.31	SOLEPIN 东莞市硕品电子有限公司 Professional connector manufacturer DONGGUAN SOLEPIN ELECTRONICS CO., LTD.			
A3	2022.04.18	更新PCB LAYOUT			X.X ±0.40	DESIGN	Jensen	2022.05.31				
A2	2021.10.09	接触电阻由80mΩ MAX. 修改为120mΩ MAX.			X.XX ±0.25	CHECK	Jack	2022.05.31	SIZE	A4	PART NO.	66A2-FXXXXX060R01
A0		NEW			X.XXX ±0.15	APPROVE	Andy	2022.05.31	SHEET	1/1	TITLE:	0.50mm 浮动BTB 母座 直立式DIP TYPE
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	APPROVE	Angle ±3°	UNIT	mm	SCALE	1:1	PROJ.	DRAW NO.	SP-133
					DIM. TOL							



RECOMMENDED PCB LAYOUT(TOP SIDE)
PCB BOARD TOLERANCE±0.05

MATING HEIGHT	H1	H2	H3
8.0mm	6.00	2.00	8.00
10.0mm		4.00	10.00
12.0mm		6.00	12.00
14.0mm		8.00	14.00
19.0mm		13.00	19.00

客户图

NOTES:

- FINISH:
 - HOUSING: LCP BLACK,UL94V-0.
 - CONTACT: COPPER ALLOY, INTEGRAL NICKEL BASE 50u"MIN, CONTACT AND SOLDER FOOT AREA 3u"MIN
 - GROUND: BRASS, INTEGRAL NICKEL BASE 50u"MIN, 80u" MIN MATTE TIN PLATED OVER
- ELECTRICAL:
 - RATED VOLTAGE: SIGNAL PIN AC 50 V.
POWER PIN AC 200 V.
 - CURRENT RATING: SIGNAL PIN 0.5A.
POWER PIN 5.0A.
 - DIELECTRIC WITHSTANDING VOLTAGE: SIGNAL PIN 150V AC/MINUTE.
POWER PIN 600V AC/MINUTE.
 - CONTACT RESISTANCE: SIGNAL PIN 120mΩ MAX.
POWER PIN 80mΩ MAX.
 - INSULATION RESISTANCE: SIGNAL PIN 100V DC/0.1S/100MΩ
POWER PIN 250V DC/0.1S/1000MΩ
- SALT SPRAY TEST:
 - CONCENTRATION IS 5%, THE TEMPERATURE IS 35±2°C, TEST TIME 24H MIN, NO OXIDATION OR RUST
- MAX PROCESSING TEMP: 265°C SECONDS 40S
- OPERATION TEMPERATURE: -40°C TO +125°C.
- WARRANTY PERIOD: 6 MONTHS
- ORDER INFORMATION:

66A2L-M XXX XX XXX R 51

Pin 数码: SEE TABLE
020=2*10PIN
~
120=2*60PIN

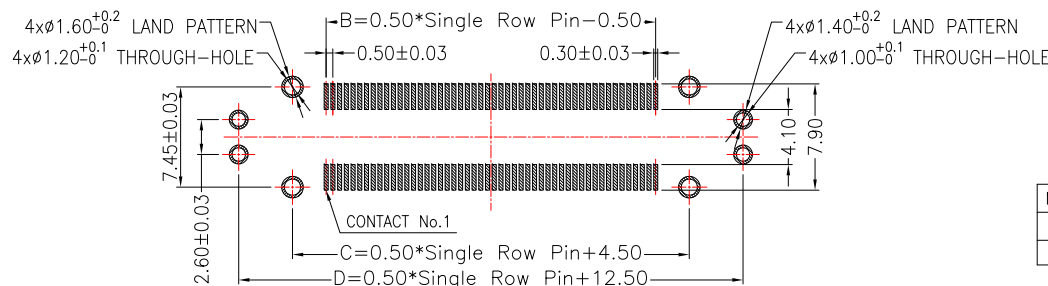
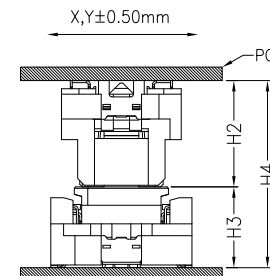
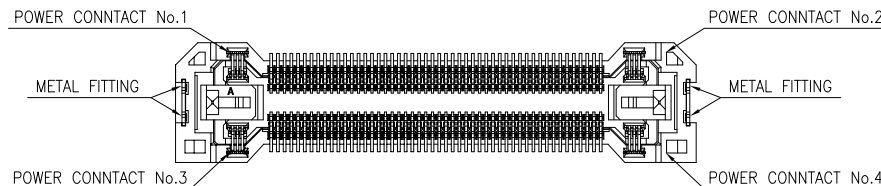
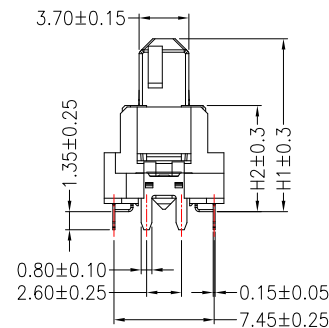
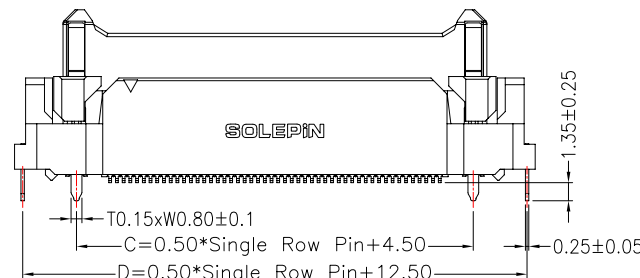
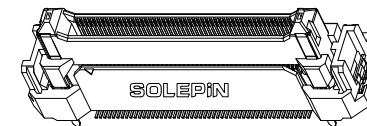
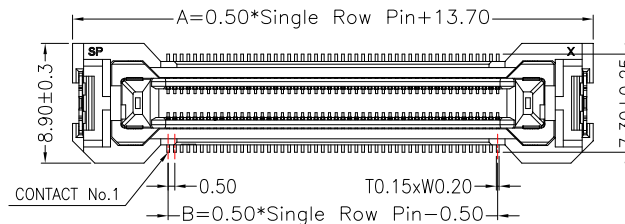
端子电镀:
G0=Gold Flash
G1=1u" Gold
G2=3u" Gold
G3=5u" Gold
G4=10u" Gold
G5=15u" Gold
G6=30u" Gold

塑胶高度:
128=12.85mm ("H1")
178=17.85mm ("H1")

包装方式:
R=TAPE REEL

TABLE:

No. OF PIN	A	B	C	D
020=2*10PIN	18.70	4.50	9.50	17.50
030=2*15PIN	21.20	7.00	12.00	20.00
040=2*20PIN	23.70	9.50	14.50	22.50
050=2*25PIN	26.20	12.00	17.00	25.00
060=2*30PIN	28.70	14.50	19.50	27.50
080=2*40PIN	33.70	19.50	24.50	32.50
100=2*50PIN	38.70	24.50	29.50	37.50
120=2*60PIN	43.70	29.50	34.50	42.50



RECOMMENDED LAND PATTERN DIMENSION OF PCB
PCB THICKNESS: T=1.60mm

MATING HEIGHT	H1	H2	H3	H4
14.00mm	12.85	8.00	6.00	14.00
19.00mm	17.85	13.00		19.00

					OPERATION		DRAW		WLY		2022.03.10		SOLEPIN 东莞市硕品电子有限公司 Professional connector manufacturer DONGGUAN SOLEPIN ELECTRONICS CO., LTD.			
					X.X	±0.40	DESIGN		Jensen		2022.03.10					
					X.XX	±0.25	CHECK		Jack		2022.03.10		SIZE	A4	PART NO.	66A2L-MXXXXXXXXR51
A0		NEW	——	——	X.XXX	±0.15	APPROVE		Andy		2022.03.10		SHEET	1/1	TITLE:	0.50mm 浮动BTB 公头(浮动款) 直立式DIP TYPE
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	APPROVE	Angle	±3°							PROJ.		DRAW NO.	SP-134
					DIM.	TOL	UNIT		mm	SCALE	1:1					

客户图

NOTES:

1.FINISH:

- 1.1 HOUSING: LCP BLACK,UL94V-0.
- 1.2 CONTACT: COPPER ALLOY, INTEGRAL NICKEL BASE 50u"MIN,
CONTACT AND SOLDER FOOT AREA 3u"MIN
- 1.3 GROUND: BRASS, INTEGRAL NICKEL BASE 50u"MIN,
80u" MIN MATTE TIN PLATED OVER

2. ELECTRICAL:

- 2.1 RATED VOLTAGE: SIGNAL PIN AC 50 V.
POWER PIN AC 200 V.
- 2.2 CURRENT RATING: SIGNAL PIN 0.5A.
POWER PIN 5.0A.
- 2.3 DIELECTRIC WITHSTANDING VOLTAGE: SIGNAL PIN 150V AC/MINUTE.
POWER PIN 600V AC/MINUTE.
- 2.4 CONTACT RESISTANCE: SIGNAL PIN 120mΩ MAX.
POWER PIN 80mΩ MAX.
- 2.5 INSULATION RESISTANCE: SIGNAL PIN 100V DC/0.1S/100MΩ
POWER PIN 250V DC/0.1S/1000MΩ

3.SALT SPRAY TEST:

- 3.1 CONCENTRATION IS 5%, THE TEMPERATURE IS 35±2°C,
TEST TIME 24H MIN,NO OXIDATION OR RUST

4.MAX PROCESSING TEMP:265°C SECONDS 40S

5.OPERATION TEMPERATURE:-40°C TO +125°C.

6.WARRANTY PERIOD: 6 MONTHS

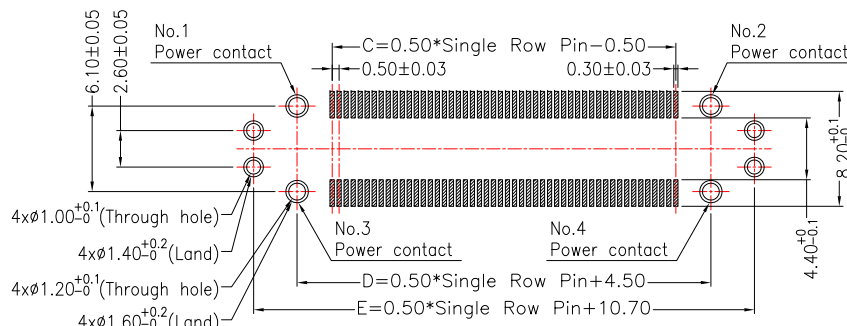
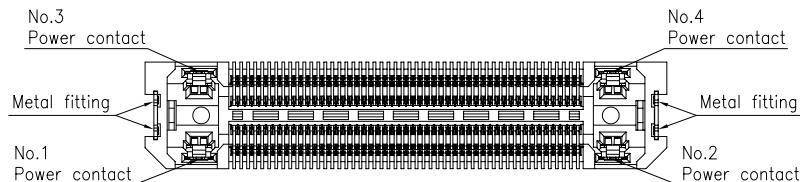
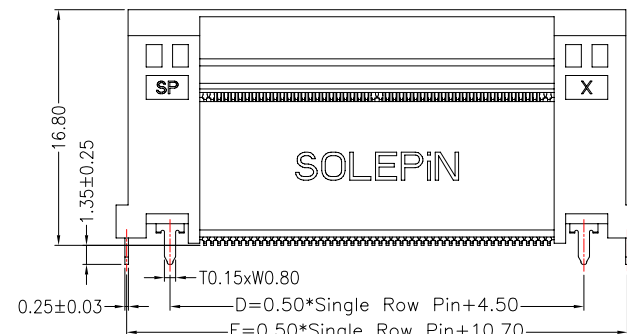
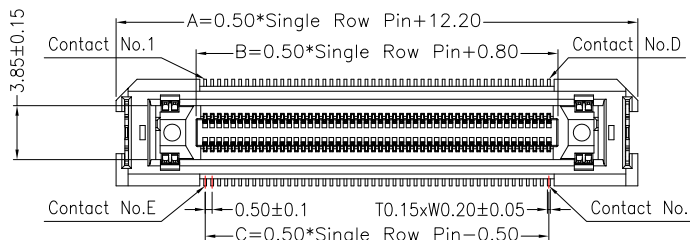
7.ORDER INFORMATION:

66A2L-F XXX XX 168 R 51

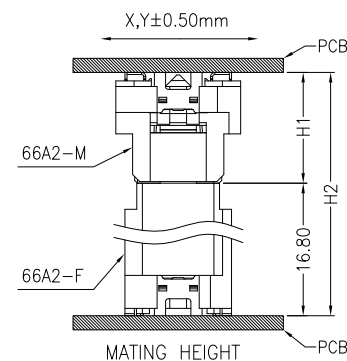
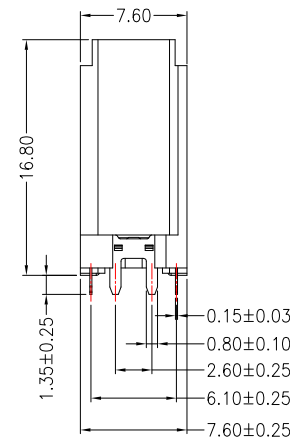
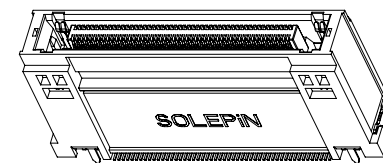
Pin数码	端子电镀:	塑胶高度:	包装方式:
SEE TABLE	G0=Gold Flash(全金)	168=16.80mm	R=TAPE REEL
020=2x10PIN	G1=1u" Gold		
~	G2=3u" Gold		
120=2x60PIN	G3=5u" Gold		
	G4=10u" Gold		
	G5=15u" Gold		
	G6=30u" Gold		

TABLE:

No. OF PIN	A	B	C	D	E
020=2x10PIN	17.20	5.80	4.50	9.50	15.70
030=2x15PIN	19.70	8.30	7.00	12.00	18.20
040=2x20PIN	22.20	10.80	9.50	14.50	20.70
050=2x25PIN	24.70	13.30	12.00	17.00	23.20
060=2x30PIN	27.20	15.80	14.50	19.50	25.70
080=2x40PIN	32.20	20.80	19.50	24.50	30.70
100=2x50PIN	37.20	25.80	24.50	29.50	35.70
120=2x60PIN	42.20	30.80	29.50	34.50	40.70



RECOMMENDED PCB LAYOUT(TOP SIDE)
PCB BOARD TOLERANCE±0.05



MATING HEIGHT	H1	H2
25.00mm	12.85	25.00
30.00mm	17.85	30.00

OPERATION

X.X ±0.40

X.XX ±0.25

X.XXX ±0.15

Angle ±3°

DIM. TOL

DRAW

DESIGN

CHECK

APPROVE

UNIT

mm

WLY

Jensen

Jack

Andy

2022.04.12

2022.04.12

2022.04.12

2022.04.12

SOLEPIN 东莞市硕品电子有限公司
Professional connector manufacturer DONGGUAN SOLEPIN ELECTRONICS CO., LTD.

SIZE

A4

PART NO.

66A2L-FXXXXX168R51

SHEET

1/1

TITLE:

0.50mm 浮动BTB 母座(固定款) 直立式DIP TYPE

PROJ.

SP-674

DRAW NO.

SP-674

AO

REV

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客户图

NOTES:

1.FINISH:

- 1.1 HOUSING: LCP BLACK,UL94V-0.
- 1.2 CONTACT: COPPER ALLOY, INTEGRAL NICKEL BASE 50u"MIN,
CONTACT AND SOLDER FOOT AREA 3u"MIN
- 1.3 GROUND: BRASS, INTEGRAL NICKEL BASE 50u"MIN,
80u" MIN MATTE TIN PLATED OVER

2. ELECTRICAL:

- 2.1 RATED VOLTAGE: SIGNAL PIN AC 50 V.
POWER PIN AC 200 V.
- 2.2 CURRENT RATING: SIGNAL PIN 0.5A.
POWER PIN 5.0A.
- 2.3 DIELECTRIC WITHSTANDING VOLTAGE: SIGNAL PIN 150V AC/MINUTE.
POWER PIN 600V AC/MINUTE.
- 2.4 CONTACT RESISTANCE: SIGNAL PIN 120mΩ MAX.
POWER PIN 80mΩ MAX.
- 2.5 INSULATION RESISTANCE: SIGNAL PIN 100V DC/0.1S/100MΩ
POWER PIN 250V DC/0.1S/1000MΩ

3.SALT SPRAY TEST:

- 3.1 CONCENTRATION IS 5%, THE TEMPERATURE IS 35±2°C,
TEST TIME 24H MIN,NO OXIDATION OR RUST

4.Max Processing Temp:265°C Seconds 40S

5.OPERATION TEMPERATURE:-40°C TO +125°C.

6.WARRANTY PERIOD: 6 MONTHS

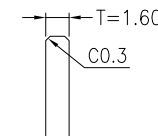
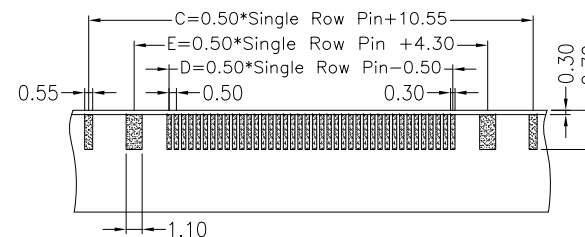
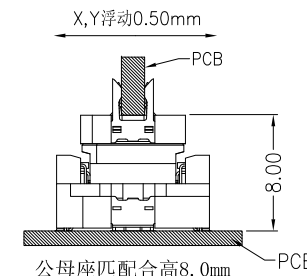
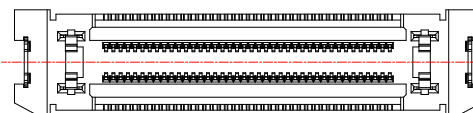
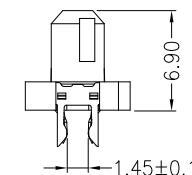
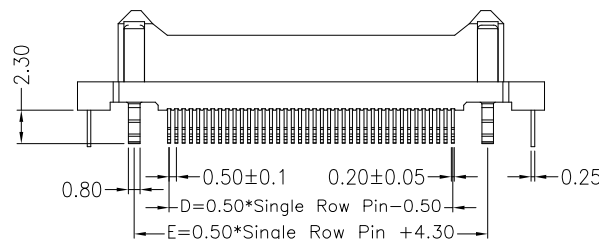
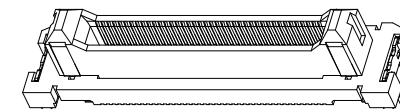
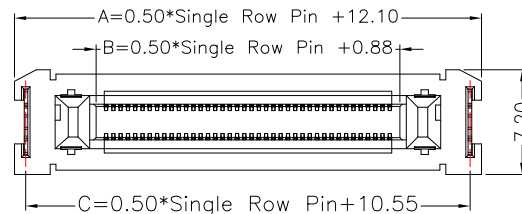
7.ORDER INFORMATION:

66A2-M XXX XX 069 R 03

Pin 数码	端子电镀:	塑胶高度:	包装方式:
020=2*10PIN	G0=Gold Flash(全金)	069=6.90mm	R=TAPE REEL
~	G1=1u" Gold		
120=2*60PIN	G2=3u" Gold		
	G3=5u" Gold		
	G4=10u" Gold		
	G5=15u" Gold		
	G6=30u" Gold		

TABLE:

No. OF PIN	A	B	C	D	E
020=2x10PIN	17.10	5.88	15.55	4.50	9.30
030=2x15PIN	19.60	8.38	18.05	7.00	11.80
040=2x20PIN	22.10	10.88	20.55	9.50	14.30
050=2x25PIN	24.60	13.38	23.05	12.00	16.80
060=2x30PIN	27.10	15.88	25.55	14.50	19.30
080=2x40PIN	32.10	20.88	30.55	19.50	24.30
100=2x50PIN	37.10	25.88	35.55	24.50	29.30
120=2x60PIN	42.10	30.88	40.55	29.50	34.30



ROMMENDED PLUG-PCB LAYOUT
TOLERANCE ±0.05

					OPERATION		DRAW		WLY		2022.02.17		SOLEPiN 东莞市硕品电子有限公司 Professional connector manufacturer DONGGUAN SOLEPIN ELECTRONICS CO., LTD.			
					X.X	±0.40	DESIGN		Jensen		2022.02.17					
					X.XX	±0.25	CHECK		Jack		2022.02.17		SIZE	A4	PART NO.	66A2-MXXXXX069R03
A0		NEW		_____	X.XXX	±0.15	APPROVE		Andy		2022.02.17		SHEET	1/1	TITLE:	0.50mm 浮动BTB 公头 直立夹板式 台高8.0mm TYPE
REV	DATE	MODIFICATION DESCRIPTION		CHANGE	APPROVE	DIM.	TOL	UNIT	mm	SCALE	1:1	PROJ.		DRAW NO.	SP-631	

客户图

NOTES:

1.FINISH:

- 1.1 HOUSING: LCP BLACK,UL94V-0.
- 1.2 CONTACT: COPPER ALLOY, INTEGRAL NICKEL BASE 50u"MIN, GOLD (SEE P/N) PLATED IN CONTACT AREA, GOLD FLASH PLATED IN SOLDER AREA,
- 1.3 GROUND: BRASS, 80u" MIN MATTE TIN PLATED OVER 50u" MIN NICKEL UNDERPLATED OVERALL.

2. ELECTRICAL:

- 2.1 RATED VOLTAGE: SIGNAL PIN AC 50 V.
POWER PIN AC 200 V.
- 2.2 CURRENT RATING: SIGNAL PIN 0.5A.
POWER PIN 5.0A.
- 2.3 DIELECTRIC WITHSTANDING VOLTAGE: SIGNAL PIN 150V AC/MINUTE.
POWER PIN 600V AC/MINUTE.
- 2.4 CONTACT RESISTANCE: SIGNAL PIN 120mΩ MAX.
POWER PIN 80mΩ MAX.
- 2.5 INSULATION RESISTANCE: SIGNAL PIN 100V DC/0.1S/100MΩ
POWER PIN 250V DC/0.1S/1000MΩ

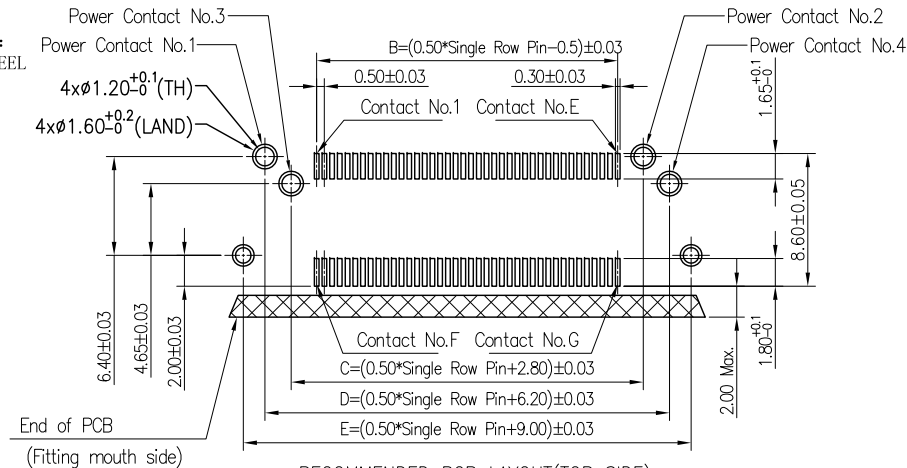
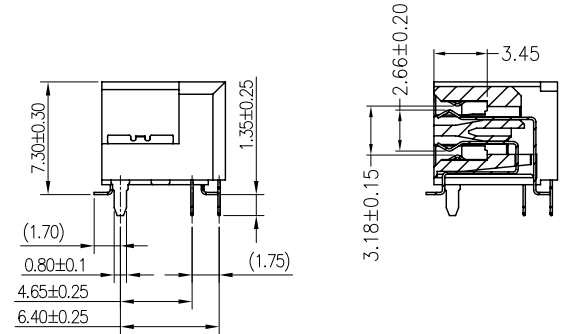
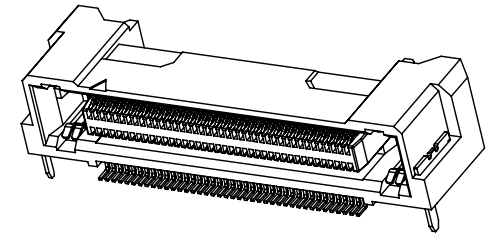
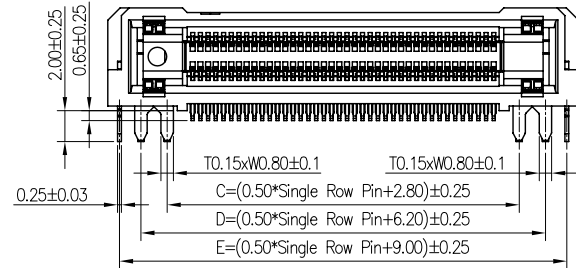
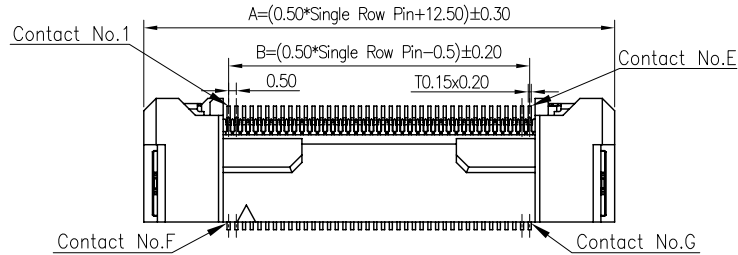
3.SALT SPRAY TEST:

- 3.1 CONCENTRATION IS 5%, THE TEMPERATURE IS 35±2°C,
TEST TIME 8H MIN,NO OXIDATION OR RUST
- 4.MAX PROCESSING TEMP:265°C SECONDS 40S
- 5.OPERATION TEMPERATURE:-40°C TO +125°C.
- 6.WARRANTY PERIOD: 6 MONTHS
- 7.ORDER INFORMATION:

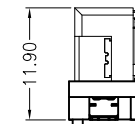
66A2R-F XXX XX 073 R 01

Pin 数码	端子电镀:	塑胶高度:	包装方式:
020=2x10PIN	G0=Gold Flash	073=7.30mm("H1")	R=TAPE REEL
~	G1=1u" Gold		
120=2x60PIN	G2=3u" Gold		
	G3=5u" Gold		
	G4=10u" Gold		
	G5=15u" Gold		
	G6=30u" Gold		

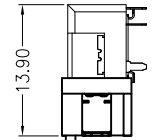
No. OF PIN	A	B	C	D	E
020=2x10PIN	15.50	4.50	7.80	11.20	14.00
030=2x15PIN	18.00	7.00	10.30	13.70	16.50
040=2x20PIN	20.50	9.50	12.80	16.20	19.00
050=2x25PIN	23.00	12.00	15.30	18.70	21.50
060=2x30PIN	25.50	14.50	17.80	21.20	24.00
080=2x40PIN	30.50	19.50	22.80	26.20	29.00
100=2x50PIN	35.50	24.50	27.80	31.20	34.00
120=2x60PIN	40.50	29.50	32.80	36.20	39.00



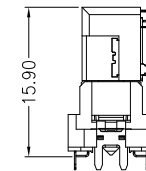
RECOMMENDED PCB LAYOUT(TOP SIDE)
PCB BOARD TOLERANCE±0.05



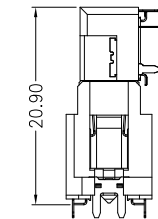
66A2-MXXX XX 089 R01



66A2-M XXX XX 109 R01



66A2L-M XXX XX 128 R51



66A2L-M XXX XX 178 R51

						OPERATION	DRAW	Mr.Zeng	2024.01.08	SOLEPIN 东莞市硕品电子有限公司 Professional connector manufacturer DONGGUAN SOLEPIN ELECTRONICS CO., LTD.			
						X.X ±0.40	DESIGN	Jensen	2024.01.08				
						X.XX ±0.25	CHECK	Jack	2024.01.08				
						X.XXX ±0.15	APPROVE	Andy	2024.01.08				
AO						Angle ±3°				SHEET	1/1	TITLE:	0.50mm 浮动BTB 母座 卧式DIP 90° TYPE
REV	DATE					DIM. TOL	UNIT	mm	SCALE	1:1	PROJ.	DRAW NO.	SP-678

客户图

NOTES:

1.FINISH:

- 1.1 HOUSING: LCP BLACK,UL94V-0.
- 1.2 CONTACT: COPPER ALLOY, INTEGRAL NICKEL BASE 50u"MIN,
CONTACT AND SOLDER FOOT AREA 3u"MIN
- 1.3 GROUND: BRASS, INTEGRAL NICKEL BASE 50u"MIN,
80u" MIN MATTE TIN PLATED OVER

2. ELECTRICAL:

- 2.1 RATED VOLTAGE: SIGNAL PIN AC 50 V.
POWER PIN AC 200 V.
- 2.2 CURRENT RATING: SIGNAL PIN 0.5A.
POWER PIN 5.0A.
- 2.3 DIELECTRIC WITHSTANDING VOLTAGE: SIGNAL PIN 150V AC/MINUTE.
POWER PIN 600V AC/MINUTE.
- 2.4 CONTACT RESISTANCE: SIGNAL PIN 120mΩ MAX.
POWER PIN 80mΩ MAX.
- 2.5 INSULATION RESISTANCE: SIGNAL PIN 100V DC/0.1S/100MΩ
POWER PIN 250V DC/0.1S/1000MΩ

3.SALT SPRAY TEST:

- 3.1 CONCENTRATION IS 5%, THE TEMPERATURE IS 35±2°C,
TEST TIME 24H MIN,NO OXIDATION OR RUST

4.MAX PROCESSING TEMP:265°C SECONDS 40S

5.OPERATION TEMPERATURE:-40°C TO +125°C.

6.WARRANTY PERIOD: 6 MONTHS

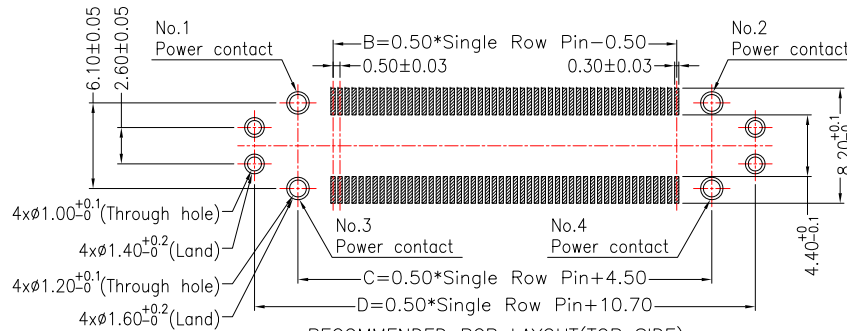
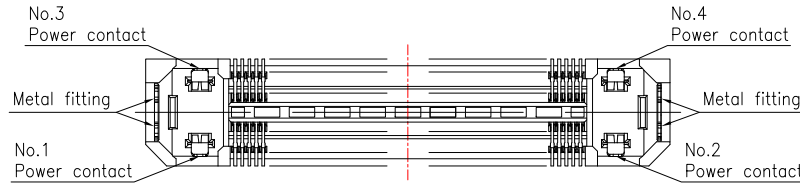
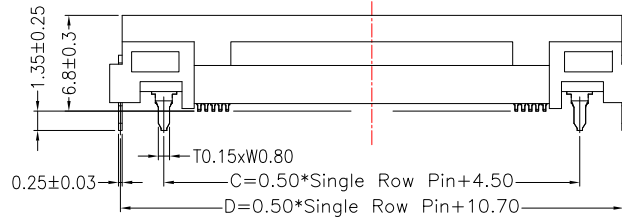
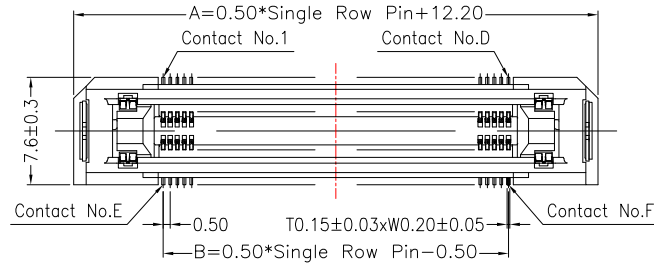
7.ORDER INFORMATION:

66A2L-F XXX XX 068 R 51

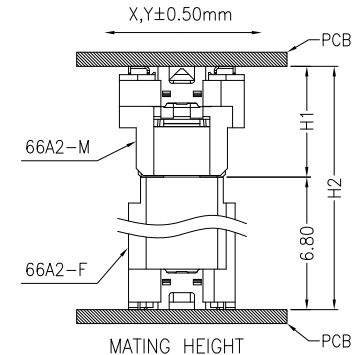
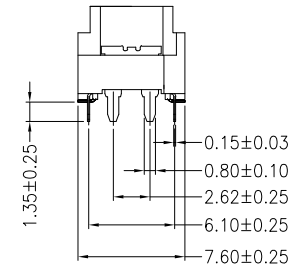
Pin数码 SEE TABLE	端子电镀: G0=Gold Flash(全金) G1=1u" Gold G2=3u" Gold G3=5u" Gold G4=10u" Gold G5=15u" Gold G6=30u" Gold	塑胶高度: 068=6.80mm	包装方式: R=TAPE REEL
020=2x10PIN ~			
120=2x60PIN			

TABLE:

No. OF PIN	A	B	C	D
020=2x10PIN	17.20	4.50	9.50	15.70
030=2x15PIN	19.70	7.00	12.00	18.20
040=2x20PIN	22.20	9.50	14.50	20.70
050=2x25PIN	24.70	12.00	17.00	23.20
060=2x30PIN	27.20	14.50	19.50	25.70
080=2x40PIN	32.20	19.50	24.50	30.70
100=2x50PIN	37.20	24.50	29.50	35.70
120=2x60PIN	42.20	29.50	34.50	40.70



RECOMMENDED PCB LAYOUT(TOP SIDE)
PCB BOARD TOLERANCE±0.05



MATING HEIGHT	H1	H2
15.00mm	12.85	15.00
20.00mm	17.85	20.00

OPERATION	DRAW	WLY	2022.04.12
X.X ±0.40	DESIGN	Jensen	2022.04.12
X.XX ±0.25	CHECK	Jack	2022.04.12
X.XXX ±0.15	APPROVE	Andy	2022.04.12
Angle ±3°			
DIM. TOL	UNIT	mm	SCALE 1:1

SOLEPIN 东莞市硕品电子有限公司
Professional connector manufacturer DONGGUAN SOLEPIN ELECTRONICS CO., LTD.

REV	DATE	MODIFICATION DESCRIPTION	CHANGE	APPROVE
AO		NEW		

SIZE	A4	PART NO.	66A2L-FXXXXX068R51
SHEET	1/1	TITLE:	0.50mm 浮动BTB 母座(固定款) 直立式DIP TYPE
PROJ.	PROJ.	DRAW NO.	SP-688

SPECIFICATION OF PRODUCT (产品规格)

1. Scope (范围)

This product specification contains the test method, the general performance and requirement for BTB connectors.此作业规范适用于 板对板 系列产品。

2. Applicable documents (参考文件)

Reference documents listed below shall be the latest revision unless otherwise specified.

Should a conflict occur between this specification and any of the listed documents then this specification shall prevail.

下列参考文件是最新修订版本, 若本说明与其他文件有冲突时, 请以本规格书为准。

2.1 Industry standards (行业标准)

EIA-364 electrical connector test procedures

EIA-364 电气连接器测试标准

MIL-STD-1344 Test Methods for Electrical Component Parts.

MIL-STD-1344 电气元件测试标准

MIL-STD-202 Test Methods for Electronic and Electrical Component Parts

MIL-STD-202 电子及电气试验方法

3. Product shape and dimensions (外观和尺寸)

Construction and physical dimensions shall be same as specified by drawings.

产品外形结构与物理尺寸请参考产品图面

4. Material And Plating (材料和电镀要求)

4.1 Material (材料)

Housing: LCP, UL94V-0; Color: BLACK

胶芯: LCP, UL94V-0 黑色

Contact: Phosphor Bronze

端子: C7025

4.2 Plating (电镀)

Shell: Plated With Matte Tin Min 40u" For Allover.

铁壳: 所有表面镀雾锡最少 40u"

Contact: Plated With Gold Min 3u" For Contact Area and Plated With Matte Tin Min 80u" For Solder Area.

端子: 接触区镀金最少3u", 焊锡区镀雾锡最少 80u"

5. Characteristics (特性)

Voltage rating: SIGNAL PIN 50V AC(rms)/DC (额定电压: 50V/DC)

Current rating: 0.5A AC(rms)/DC (额定电流: 0.5A/DC)

Voltage rating: POWER PIN 200V AC(rms)/DC (额定电压: 200V/DC)

Current rating: 5A AC(rms)/DC (额定电流: 5A/DC)

Operating temperature range: -40°C to +125°C (操作温度: -40°C to +125°C)

Storage temperature range: -0°C to +40°C (贮存温度: -0°C to +35°C)

Storage Humidity: 10-75% RH (贮存湿度: 10-75%) Storage Time: Half a year: (贮存时间: 半年)

1. Mechanical Performance (机械特性)

Item (项目)		Test Condition (测试条件)	Requirement (要求)
1	Contact retention force 端子保持力	The end of terminal shall be pulled in a perpendicular to base housing at a maximum rate of 25 mm per minute. Test as per EIA- 364-13 端子以 25mm/分钟的速度, 均速垂直于胶芯中拔出之力量。	2.9N Min.
2	Insertion Force 插入力	Measure the force necessary to insert the connector between male and female at a maximum rate of 12.5 mm per minute. Test as per EIA-364-13 (without locking lever) 公座以最大 12.5mm/分钟的速度, 水平均速插入母座之力量	初期 initial 插入力 Inserted force 2.45N Max./pin
3	Unmating force 拔出力	Measure the force necessary to insert the connector between male and female at a maximum rate of 12.5 mm per minute. Test as per EIA364-13 (without locking lever) 公座以最大 12.5mm/分钟的速度, 水平均速拔出母座之力量	拔去力 Extracted force 0.05N Min./pin
4	Durability 耐久	Mating and unmating the connectors for 20 cycles. Test as per EIA-364-09 公座与母座重复插入, 拔出得一个循环, 持续 20 个循环。	120mΩMax/ 30 times
5	Vibration 振动	Subject mated connectors to : Frequency: 10-55-10 Hz Amplitude: 1.5 mm Direction: three perpendicular axes Direction: X、Y、Z axes/2 hours Test as per EIA 364 – 28 Condition V test letter A. 振幅 1.5mm,频率 10-55-10 Hz, 在 X/Y/Z 方向各持续 2 小时	试验中无出现 1μs 以上的瞬断 试验后: 120mΩ以下 外观 Appearance 没有机械性的破损、部品松动、裂纹等。 Discontinuity: 1μs or less After the test: 120mΩ or below No damage, loose part or crack.
6	Shock 冲击	Subject mated connectors to 30 g's half-sine shock pulses of 11ms duration. Three shocks in each direction applied along three mutually perpendicular planes for a total of 18 shocks. Test as per EIA364-27 condition H 公母座配合好后连接在 30 g's 的半正弦波冲击设备上, 持续脉冲 11m,分别沿 X/Y/Z 方向共持续 18 个循环	试验中无出现 1μs 以上的瞬断 试验后: 120mΩ以下 外观 Appearance 没有机械性的破损、部品松动、裂纹等。 Discontinuity: 1μs or less After the test: 120mΩ or below No damage, loose part or crack.

2. Electronic Performance (电气特性)

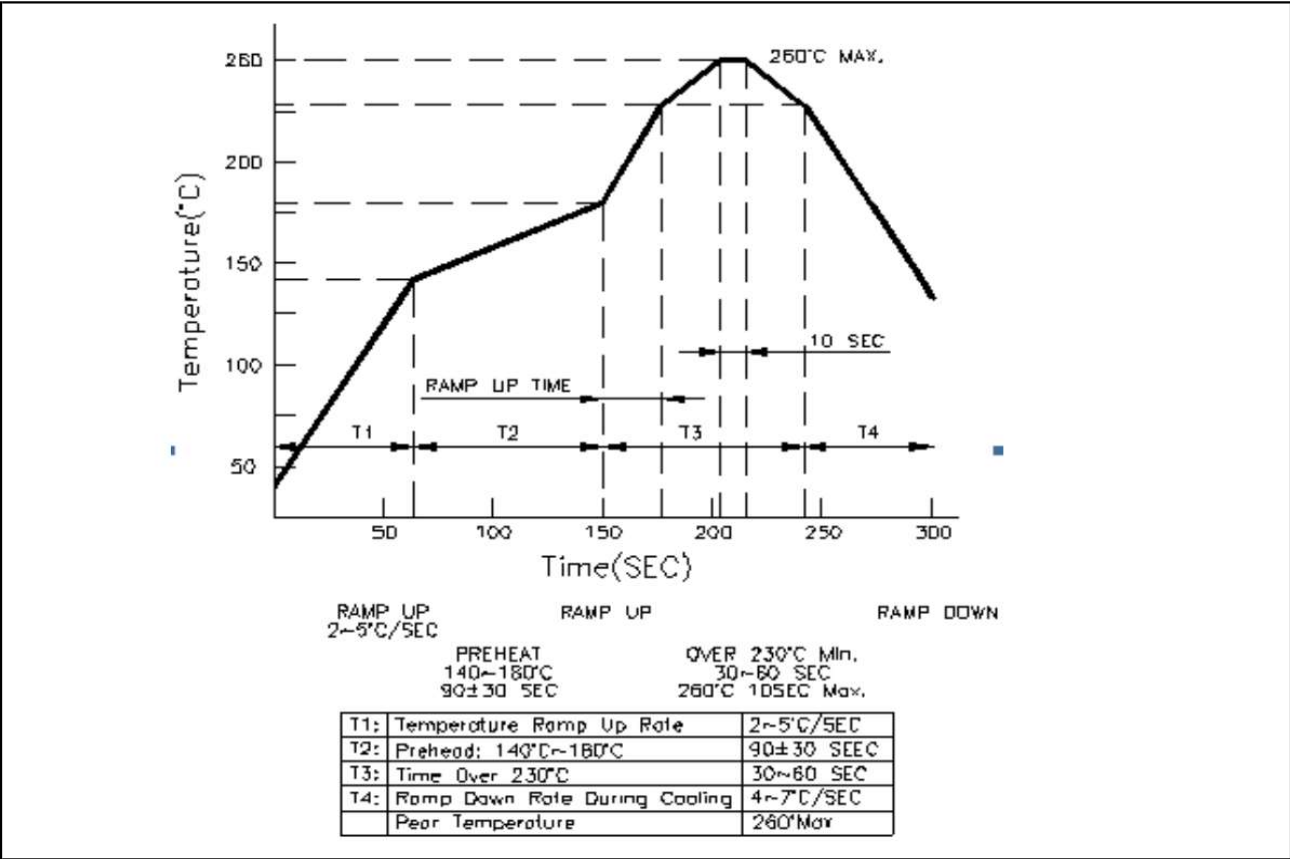
1	Dielectric withstanding voltage 耐电压	Test between adjacent contacts with a voltage of 500 V AC for 1 minute at Sea level Test as per EIA364-20 Method B 相邻端子间施加 500V AC 持续 1 分钟	No current leakage and flashover or damage detected. 无击穿, 无短路
2	Insulation resistance 绝缘阻抗	After 500V DC for 1 minute ,measure the insulation resistance between the adjacent contacts. Test as per EIA364-21 相邻端子间施加 500V DC 持续 1 分钟	500MΩ以上 (初期值) 100MΩ以上 (实验后) 500MΩ Min. (Initial) 100MΩ Min. (Final)
3	Low level Conductor resistance 接触阻抗	It shall be measured by mated, at open circuit voltage of 20mV Max, 1mA . 嵌合状态下, 开路电压 20mV 以下, 1mA	100mΩ以下 (初期) 120mΩ以下 (各试验后) 100mΩ Max. (Initial) 120mΩ Max. (Final)

3.Environmental Performance (环境特性)

1	Temperature life high 耐高温	The connector mated is exposed in the heat chamber 105±2 °C for 96 hours. It shall be measured the contact resistance after the test.公母座嵌合状态下, 放置于 105±2°C环境中 96 小时。测量试验后的接触电阻。	120mΩ Max.
2	Humidity 耐湿性	The connector mated is exposed in the humidity chamber 60 ± 2°C,90~95%RH for 96 hours. It shall be measured the contact resistance after the test. 公母座嵌合状态下, 放置于 60±2°C、相对湿度 90~95%RH 的环境中 96 小时。测量试验后的接触电阻。	120mΩ Max.
3	Cold resistance 耐寒性	The connector mated is exposed in the heat chamber -40±2 °C for 96 hours. It shall be measured the contact resistance after the test. 公母座嵌合状态下, 放置于-40±2°C环境中 96 小时。测量试验后的接触电阻。	120mΩ Max.
4	Salt spray test 盐水喷雾试验	The connector mated is exposed in the salt spray chamber 35±2°C,5±1 saltdensity for 48 hours. It shall be measured the contact resistance after the test. 公母座嵌合状态下, 放置于 35±2°C、浓度 5±1%的盐水喷雾中 48 小时。取出之后使用纯水清洗, 干燥后测量接触电阻。	120mΩ Max.
5	SO2 gas test SO2 气体实验	The connector mated is exposed in the SO2 gas chamber 40 ± 2°C,75%RH 、10±3ppm for 96 hours. It shall be measured the contact resistance after the test. 公母座嵌合状态下, 放置于 40±2°C、相对湿度 75%RH、SO2 浓度 10±3ppm的环境中 96 小时。测量试验后的接触电阻。	120mΩ Max.

6	H2S gas test H2S 气体实验	The connector mated is exposed in the H2S gas chamber $40 \pm 2^{\circ}\text{C}$, 75%RH、 $3 \pm 1\text{ppm}$ for 96 hours. It shall be measured the contact resistance after the test. 公母座嵌合状态下，放置于 $40 \pm 2^{\circ}\text{C}$ 相对湿度 75%RH、H2S 浓度 $3 \pm 1\text{ppm}$ 的环境中 96 小时。测量试验后的接触电阻。	120mΩ Max.
7	Thermal shock test 冷热冲击试验	Subject unmated connectors shall be tested in accordance with EIA364-32 Test Condition I . $-55 \pm 2^{\circ}\text{C}$ (30 minute) $\rightarrow +25 \pm 2^{\circ}\text{C}$ (5 minute) $\rightarrow +85 \pm 2^{\circ}\text{C}$ (30 minute) $\rightarrow +25 \pm 2^{\circ}\text{C}$ (5 minute) consecutive 5 cycles. 适配板对板连接器，环境温度 $-55 \pm 2^{\circ}\text{C}$ (30 minute) $\rightarrow +25 \pm 2^{\circ}\text{C}$ (5 minute) $\rightarrow +85 \pm 2^{\circ}\text{C}$ (30 minute) $\rightarrow +25 \pm 2^{\circ}\text{C}$ (5 minute) 持续 5 个循环。	120mΩ Max.
8	Humidity resistance 恒温恒湿	Subject unmated connectors to 96 hours at 60°C with 90% to 95% R.H. Test as per EIA 364 – 31 Method II Test Condition A. 环境温度 60°C ，湿度 90% ~ 95% R.H，持续时间 96H。	120mΩ Max.
9	Solder ability 焊锡性	Immersion in Flux consisting rosin 10% and methanol 90% for a period of 5 to10 seconds dip in molten solder consisting of Sn-Ag-Cu at 260°C plus or minus 5 degree for 3 plus or minus 0.5 seconds. 产品焊锡区在松香 10%和甲醇 90%的助焊剂中浸泡 5-10 秒，再将焊锡区浸入 260°C 的焊料中持续 3 秒。	More than 95% of area dipped in molten solder should be coated by solder 焊锡区吃锡饱满度95%以上

4. Recommended Temperature Profile (推荐温度曲线)



NOTE (备注)

SMT stencil thickness: Pin solder area 0.12 ~ 0.15mm, shell solder area 0.15 ~ 0.18mm
SMT 钢网厚度: Pin 针焊锡区 0.12 ~ 0.15mm, 铁壳焊锡区 0.15 ~ 0.18mm

5.Attention of using /使用注意事项

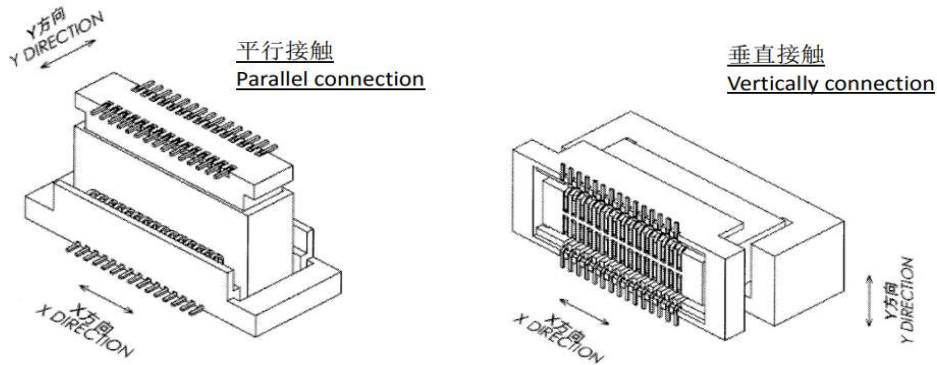
1.浮动量/Floating Range

本规格书所限定浮动板对板产品，在嵌合状态下允许浮动范围:

The floating range of the following

① X 方向浮动量/X Direction: $\pm 0.5\text{mm}$

② Y 方向浮动量/Y Direction: $\pm 0.5\text{mm}$



*注意：使用过程中请勿超出所允许的浮动量！

Note: Do not exceed the allowed floating range during use!

2. 使用时的注意事项/Attention of using connector

Cautions in mating operations

• This connector is designed to prevent reverse insertion. The connector could be damaged if excessive force is exerted when mating.

Avoid excessive force when mating. Mate only after confirming the following connector properties (chamfer of the external face):

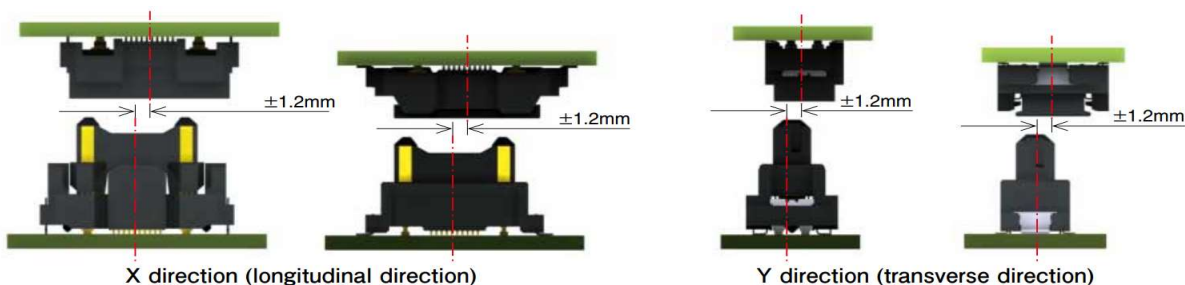
操作中的注意事项

此连接器旨在防止反向插入。如果配合时用力过大，接头可能会损坏。配合时应避免用力过大。只有在确认以下连接器特性（外表面的倒角）后才能进行配合：



The allowable misalignment is $\pm 1.2\text{mm}$ in both the X and Y directions. After mating is started, proceed with the operation along a straight line without forcing the connector.

X和Y方向上的允许偏差均为 $\pm 1.2\text{mm}$ 。开始配合后，继续沿直线操作而不强制连接器。



When mating / un-mating, it is strongly recommended to insert or remove in a straight line. If not possible, the operation shall be carried out within the following angle.

Moreover, during the mating operation, be sure to proceed without forcibly applying a load to the

connector. Allow the

connector to be placed straight when the mating operation is completed.

X direction (longitudinal direction) $\Rightarrow$ for 20, 40, 60-pos. : within 2° ; for 80, 100, 120-pos. : within 10°

Y direction (transverse direction) $\Rightarrow$ within 0.5°

(However, this is not a recommended operation. Damage to the connector could occur.)

当配合/不配合时，强烈建议以直线插入或移除。如果不可能

操作应在以下角度内进行。

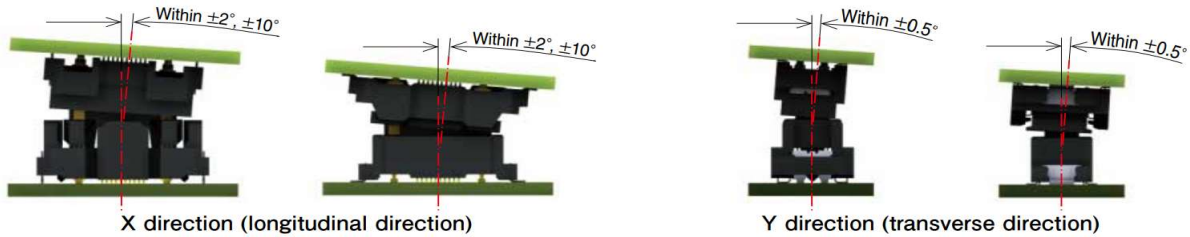
此外，在配合操作过程中，一定要在不强行向连接器施加负载的情况下继续操作。允许

当配合操作完成时，连接器应笔直放置。

X方向（纵向） $\Rightarrow$ 对于20、40、60位： 2° 以内；对于80、100、120PIN： 10° 以内

Y方向（横向） $\Rightarrow 0.5^\circ$ 以内

（但是，这不是建议的操作。可能会损坏接头。）



Permissible position deviation in the mated state (floating movable amount)

This connector is designed to float when mated, the permissible PCB position deviation in the mated state is $\pm 0.6\text{mm}$

in both the X and Y directions.

However, it is not applicable to absorbing when the position deviation amount is continually changing due to vibration

etc. Be sure to secure PCBs after mating. Additionally, the number of repetitive floating operations shall be according

to the number of connector insertion/withdrawal cycles

配合状态下允许的位置偏差（浮动可移动量）

该连接器设计为在配合时浮动，配合状态下允许的PCB位置偏差为 $\pm 0.6\text{mm}$

在X和Y两个方向上。然而，当位置偏移量由于振动而持续变化时，它不适用于吸收等。确保在对接后固定PCB。此外，重复浮动操作的次数应根据连接器插入/拔出循环次数

