客户图

NOTES:

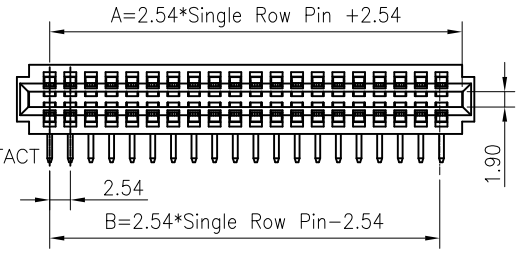
1. FINISH:
   - 1.1 HOUSING: PA10T BLACK,UL94V-0.
   - 1.2 CONTACT: C18400, GOLD (SEE P/N) PLATED IN CONTACT AERA, 80u" MIN MATTE TIN PLATED IN SOLDER AREA, 50u" MIN. NICKEL UNDERPLATED OVERALL.
2. ELECTRICAL:
   - 2.1 CURRENT RATING:12Amp;
   - 2.2 DIELECTRIC WITHSTANDING VOLTAGE: 750V AC/DC.
   - 2.3 CONTACT RESISTANCE: 20mΩ MAX.
   - 2.4 INSULATION RESISTANCE: 1000MΩ MIN.
   - 2.5 OPERATION TEMPERATURE:-55°C TO +125°C.
3. ALL MATERIALS MUST BE ROHS MATERIALS
4. ORDER INFORMATION:

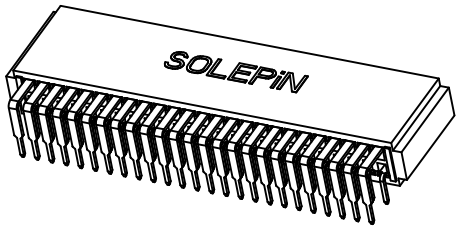
61H1- R2 XXX XX 085 C 01

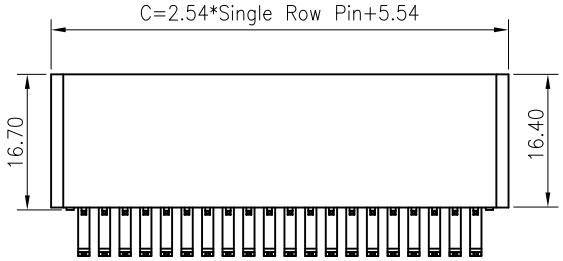
- R2: 2.54x5.08mm 90° 折弯
- XXX: Pin数码 SEE TABLE 006=2*3PIN ～ 100=2*50PIN
- XX: 端子电镀: S0=Gold Flash/Tin, S1=1u" Gold/Tin, S2=3u" Gold/Tin, S3=5u" Gold/Tin, S4=10u" Gold/Tin, S5=15u" Gold/Tin, S6=30u" Gold/Tin
- 085: 塑胶高度: 085=8.50mm
- C: 包装方式: C=TRAY

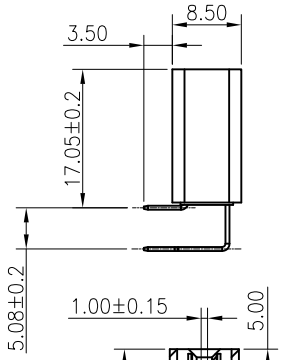
TABLE

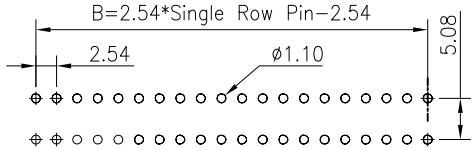
No. OF PIN	A	B	C
006=2x3PIN	10.16	5.08	13.16
008=2x4PIN	12.70	7.62	15.70
010=2x5PIN	15.24	10.16	18.24
012=2x6PIN	17.78	12.70	20.78
014=2x7PIN	20.32	15.24	23.32
016=2x8PIN	22.86	17.78	25.86
018=2x9PIN	25.40	20.32	28.40
020=2x10PIN	27.94	22.86	30.94
022=2x11PIN	30.48	25.40	33.48
024=2x12PIN	33.02	27.94	36.02



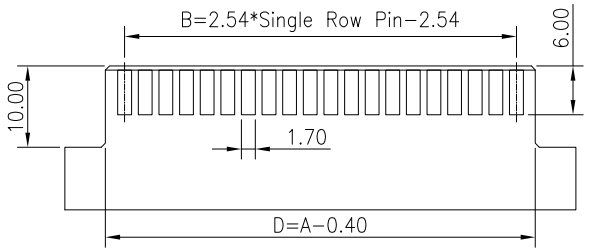








RECOMMENDED PCB LAYOUT(TOP SIDE)
PCB BOARD TOLFRANCF±0.05



ROMMENDED PLUG-PCB LAYOUT
TOLERANCE ±0.05

No. OF PIN	A	B	C
026=2x13PIN	35.56	30.48	38.56
028=2x14PIN	38.10	33.02	41.10
030=2x15PIN	40.64	35.56	43.64
032=2x16PIN	43.18	38.10	46.18
034=2x17PIN	45.72	40.64	48.72
036=2x18PIN	48.26	43.18	51.26
038=2x19PIN	50.80	45.72	53.83
040=2x20PIN	53.34	48.26	56.34
042=2x21PIN	55.88	50.80	58.88
044=2x22PIN	58.42	53.34	61.42
046=2x23PIN	60.96	55.88	63.96
048=2x24PIN	63.50	58.42	66.50
050=2x25PIN	66.04	60.96	69.04
052=2x26PIN	68.58	63.50	71.58
054=2x27PIN	71.12	66.04	74.12
056=2x28PIN	73.66	68.58	76.66
058=2x29PIN	76.20	71.12	79.20
060=2x30PIN	78.74	73.66	81.74
062=2x31PIN	81.28	76.20	84.28
064=2x32PIN	83.28	78.74	86.82
066=2x33PIN	86.36	81.28	89.36
068=2x34PIN	88.90	83.82	91.90
070=2x35PIN	91.44	86.36	94.44
072=2x36PIN	93.98	88.90	96.98
074=2x37PIN	96.52	91.44	99.52
076=2x38PIN	99.06	93.98	102.06
078=2x39PIN	101.60	96.52	104.60
080=2x40PIN	104.14	99.06	107.14
082=2x41PIN	106.68	101.60	109.68
084=2x42PIN	109.22	104.14	112.22
086=2x43PIN	111.76	106.68	114.76
088=2x44PIN	114.30	109.22	117.30
090=2x45PIN	116.84	111.76	119.84
092=2x46PIN	119.38	114.30	122.38
094=2x47PIN	121.92	116.84	124.92
096=2x48PIN	124.46	119.38	127.46
098=2x49PIN	127.00	121.92	130.00
100=2x50PIN	129.54	124.46	132.54

REV	DATE	MODIFICATION DESCRIPTION	CHANGE	APPROVE
A1	2024.05.23	旧模具老化新开模并优化了结构	Mr.Zeng	Mr.Wang
A0		NEW	———	———

OPERATION		DRAW	Mr.Zeng	2024.05.23
X.X	±0.40	DESIGN	Mr.Zeng	2024.05.23
X.XX	±0.25	CHECK	Mr.Deng	2024.05.23
X.XXX	±0.15	APPROVE	Mr.Wang	2024.05.23
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.

SIZE	A4	PART NO.	61H1- R2 XXX XX 085 C 01
SHEET	1/1	TITLE:	2.54x5.08mm 金手指 DIP 90°
PROJ.		DRAW NO.	SP-009

客户图

NOTES:

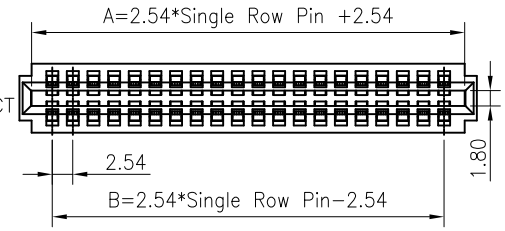
1. FINISH:
   - 1.1 HOUSING: PA10T BLACK,UL94V-0.
   - 1.2 CONTACT: C18400, GOLD (SEE P/N) PLATED IN CONTACT AERA, 80u" MIN MATTE TIN PLATED IN SOLDER AREA, 50u" MIN. NICKEL UNDERPLATED OVERALL.
2. ELECTRICAL:
   - 2.1 CURRENT RATING:12Amp;
   - 2.2 DIELECTRIC WITHSTANDING VOLTAGE: 750V AC/DC.
   - 2.3 CONTACT RESISTANCE: 20mΩ MAX.
   - 2.4 INSULATION RESISTANCE: 1000MΩ MIN.
   - 2.5 OPERATION TEMPERATURE:-55°C TO +125°C.
3. ALL MATERIALS MUST BE ROHS MATERIALS
4. ORDER INFORMATION:

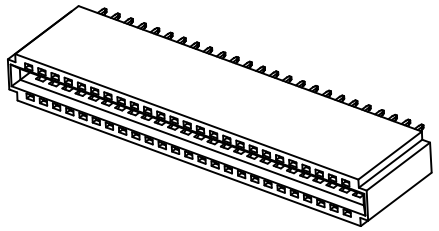
61H1- S XXX XX 164 C 01

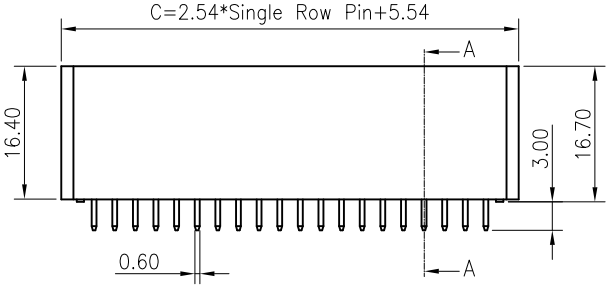
- 180° 直插
- Pin数码: SEE TABLE 006=2*3PIN ～ 100=2*50PIN
- 端子电镀: S0=Gold Flash/Tin (半金锡); S1=1u" Gold/Tin; S2=3u" Gold/Tin; S3=5u" Gold/Tin; S4=10u" Gold/Tin; S5=15u" Gold/Tin; S6=30u" Gold/Tin
- 塑胶高度: 164=16.40mm
- 包装方式: C=TRAY

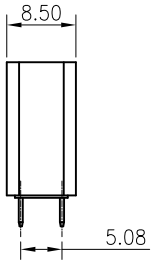
TABLE

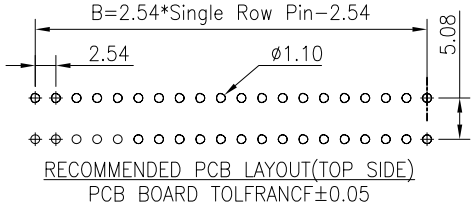
No. OF PIN	A	B	C
006=2x3PIN	10.16	5.08	13.16
008=2x4PIN	12.70	7.62	15.70
010=2x5PIN	15.24	10.16	18.24
012=2x6PIN	17.78	12.70	20.78
014=2x7PIN	20.32	15.24	23.32
016=2x8PIN	22.86	17.78	25.86
018=2x9PIN	25.40	20.32	28.40
020=2x10PIN	27.94	22.86	30.94
022=2x11PIN	30.48	25.40	33.48
024=2x12PIN	33.02	27.94	36.02



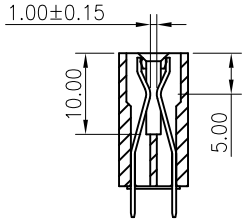




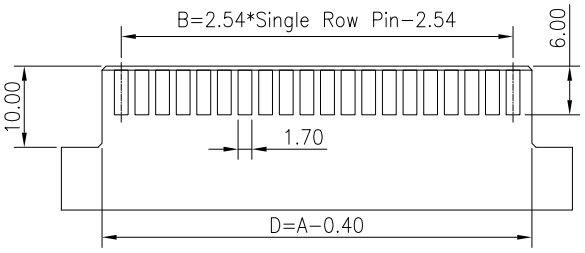


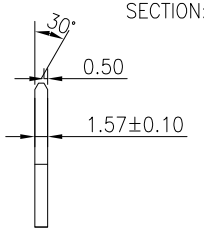


RECOMMENDED PCB LAYOUT(TOP SIDE)
PCB BOARD TOLFRANCF±0.05



SECTION: A-A





ROMMENDED PLUG-PCB LAYOUT
TOLERANCE ±0.05

No. OF PIN	A	B	C
026=2x13PIN	35.56	30.48	38.56
028=2x14PIN	38.10	33.02	41.10
030=2x15PIN	40.64	35.56	43.64
032=2x16PIN	43.18	38.10	46.18
034=2x17PIN	45.72	40.64	48.72
036=2x18PIN	48.26	43.18	51.26
038=2x19PIN	50.80	45.72	53.83
040=2x20PIN	53.34	48.26	56.34
042=2x21PIN	55.88	50.80	58.88
044=2x22PIN	58.42	53.34	61.42
046=2x23PIN	60.96	55.88	63.96
048=2x24PIN	63.50	58.42	66.50
050=2x25PIN	66.04	60.96	69.04
052=2x26PIN	68.58	63.50	71.58
054=2x27PIN	71.12	66.04	74.12
056=2x28PIN	73.66	68.58	76.66
058=2x29PIN	76.20	71.12	79.20
060=2x30PIN	78.74	73.66	81.74
062=2x31PIN	81.28	76.20	84.28
064=2x32PIN	83.28	78.74	86.82
066=2x33PIN	86.36	81.28	89.36
068=2x34PIN	88.90	83.82	91.90
070=2x35PIN	91.44	86.36	94.44
072=2x36PIN	93.98	88.90	96.98
074=2x37PIN	96.52	91.44	99.52
076=2x38PIN	99.06	93.98	102.06
078=2x39PIN	101.60	96.52	104.60
080=2x40PIN	104.14	99.06	107.14
082=2x41PIN	106.68	101.60	109.68
084=2x42PIN	109.22	104.14	112.22
086=2x43PIN	111.76	106.68	114.76
088=2x44PIN	114.30	109.22	117.30
090=2x45PIN	116.84	111.76	119.84
092=2x46PIN	119.38	114.30	122.38
094=2x47PIN	121.92	116.84	124.92
096=2x48PIN	124.46	119.38	127.46
098=2x49PIN	127.00	121.92	130.00
100=2x50PIN	129.54	124.46	132.54

REV	DATE	MODIFICATION DESCRIPTION	CHANGE	APPROVE
A1	2024.05.23	旧模具老化新开模并优化了结构	Mr.Zeng	Mr.Wang
A0		NEW	———	———

OPERATION		DRAW	Mr.Zeng	2024.05.23
X.X	±0.40	DESIGN	Mr.Zeng	2024.05.23
X.XX	±0.35	CHECK	Mr.Deng	2024.05.23
X.XXX	±0.15	APPROVE	Mr.Wang	2024.05.23
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.

SIZE	A4	PART NO.	61H1- S XXX S2 164 C 01
SHEET	1/1	TITLE:	2.54mm 金手指 DIP 180° PIN针外露3.00
PROJ.		DRAW NO.	SP-910

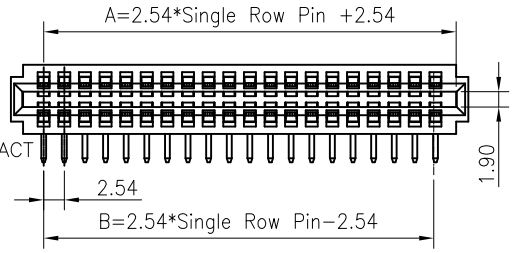
客户图

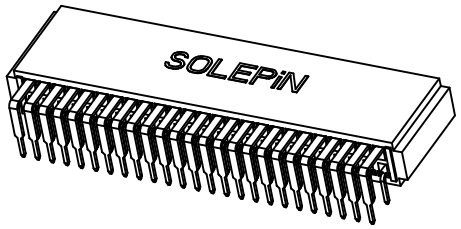
NOTES:

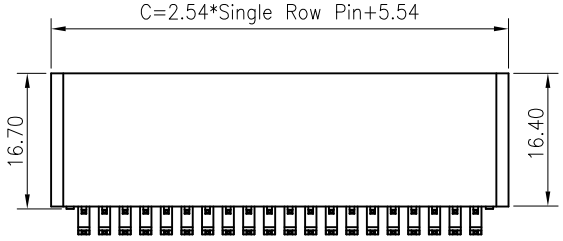
1. FINISH:
   - 1.1 HOUSING: PA10T BLACK,UL94V-0.
   - 1.2 CONTACT: C18400, GOLD (SEE P/N) PLATED IN CONTACT AERA, 80u" MIN MATTE TIN PLATED IN SOLDER AREA, 50u" MIN. NICKEL UNDERPLATED OVERALL.
2. ELECTRICAL:
   - 2.1 CURRENT RATING:12Amp;
   - 2.2 DIELECTRIC WITHSTANDING VOLTAGE: 750V AC/DC.
   - 2.3 CONTACT RESISTANCE: 20mΩ MAX.
   - 2.4 INSULATION RESISTANCE: 1000MΩ MIN.
   - 2.5 OPERATION TEMPERATURE:-55°C TO +125°C.
3. ALL MATERIALS MUST BE ROHS MATERIALS
4. ORDER INFORMATION:

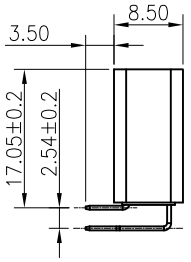
61H1- R1 XXX XX 085 C 01

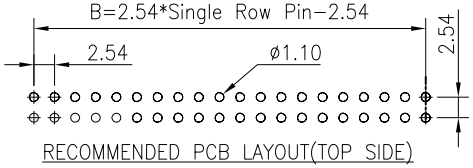
- R1: 2.54x2.54mm 90° 折弯
- XXX: Pin数码 SEE TABLE 006=2*3PIN ～ 100=2*50PIN
- XX: 端子电镀: S0=Gold Flash/Tin; S1=1u" Gold/Tin; S2=3u" Gold/Tin; S3=5u" Gold/Tin; S4=10u" Gold/Tin; S5=15u" Gold/Tin; S6=30u" Gold/Tin
- 085: 塑胶高度: 085=8.50mm
- C: 包装方式: C=TRAY
- 01



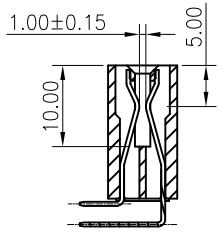




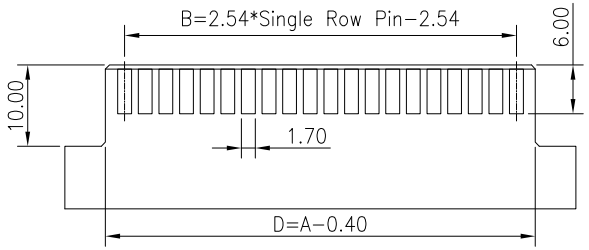




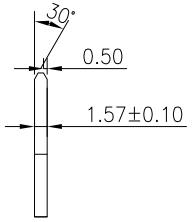
RECOMMENDED PCB LAYOUT(TOP SIDE)
PCB BOARD TOLFRANCF±0.05



SECTION



ROMMENDED PLUG-PCB LAYOUT
TOLERANCE ±0.05



TABLE

No. OF PIN	A	B	C
006=2x3PIN	10.16	5.08	13.16
008=2x4PIN	12.70	7.62	15.70
010=2x5PIN	15.24	10.16	18.24
012=2x6PIN	17.78	12.70	20.78
014=2x7PIN	20.32	15.24	23.32
016=2x8PIN	22.86	17.78	25.86
018=2x9PIN	25.40	20.32	28.40
020=2x10PIN	27.94	22.86	30.94
022=2x11PIN	30.48	25.40	33.48
024=2x12PIN	33.02	27.94	36.02

No. OF PIN	A	B	C
026=2x13PIN	35.56	30.48	38.56
028=2x14PIN	38.10	33.02	41.10
030=2x15PIN	40.64	35.56	43.64
032=2x16PIN	43.18	38.10	46.18
034=2x17PIN	45.72	40.64	48.72
036=2x18PIN	48.26	43.18	51.26
038=2x19PIN	50.80	45.72	53.83
040=2x20PIN	53.34	48.26	56.34
042=2x21PIN	55.88	50.80	58.88
044=2x22PIN	58.42	53.34	61.42
046=2x23PIN	60.96	55.88	63.96
048=2x24PIN	63.50	58.42	66.50
050=2x25PIN	66.04	60.96	69.04
052=2x26PIN	68.58	63.50	71.58
054=2x27PIN	71.12	66.04	74.12
056=2x28PIN	73.66	68.58	76.66
058=2x29PIN	76.20	71.12	79.20
060=2x30PIN	78.74	73.66	81.74
062=2x31PIN	81.28	76.20	84.28
064=2x32PIN	83.28	78.74	86.82
066=2x33PIN	86.36	81.28	89.36
068=2x34PIN	88.90	83.82	91.90
070=2x35PIN	91.44	86.36	94.44
072=2x36PIN	93.98	88.90	96.98
074=2x37PIN	96.52	91.44	99.52
076=2x38PIN	99.06	93.98	102.06
078=2x39PIN	101.60	96.52	104.60
080=2x40PIN	104.14	99.06	107.14
082=2x41PIN	106.68	101.60	109.68
084=2x42PIN	109.22	104.14	112.22
086=2x43PIN	111.76	106.68	114.76
088=2x44PIN	114.30	109.22	117.30
090=2x45PIN	116.84	111.76	119.84
092=2x46PIN	119.38	114.30	122.38
094=2x47PIN	121.92	116.84	124.92
096=2x48PIN	124.46	119.38	127.46
098=2x49PIN	127.00	121.92	130.00
100=2x50PIN	129.54	124.46	132.54

REV	DATE	MODIFICATION DESCRIPTION	CHANGE	APPROVE
A1	2024.05.23	旧模具老化新开模并优化了结构	Mr.Zeng	Mr.Wang
A0		NEW	———	———

OPERATION		DRAW	Mr.Zeng	2024.05.23
X.X	±0.40	DESIGN	Mr.Zeng	2024.05.23
X.XX	±0.25	CHECK	Mr.Deng	2024.05.23
X.XXX	±0.15	APPROVE	Mr.Wang	2024.05.23
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.

SIZE	A4	PART NO.	61H1-R1XXXXX085C01
SHEET	1/1	TITLE:	2.54x2.54mm 金手指 DIP 90°
PROJ.		DRAW NO.	SP-226

客户图

NOTES:

1. FINISH:
   - 1.1 HOUSING: PA10T BLACK,UL94V-0.
   - 1.2 CONTACT: C18400, GOLD (SEE P/N) PLATED IN CONTACT AERA, 80u" MIN MATTE TIN PLATED IN SOLDER AREA, 50u" MIN. NICKEL UNDERPLATED OVERALL.
2. ELECTRICAL:
   - 2.1 CURRENT RATING:12Amp;
   - 2.2 DIELECTRIC WITHSTANDING VOLTAGE: 750V AC/DC.
   - 2.3 CONTACT RESISTANCE: 20mΩ MAX.
   - 2.4 INSULATION RESISTANCE: 1000MΩ MIN.
   - 2.5 OPERATION TEMPERATURE:-55°C TO +125°C.
3. ALL MATERIALS MUST BE ROHS MATERIALS
4. ORDER INFORMATION:

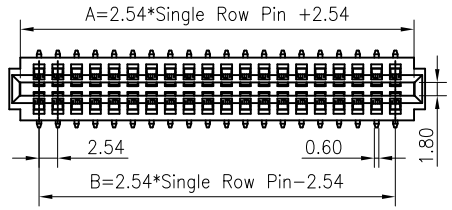
61H1- M XXX XX 164 C 01

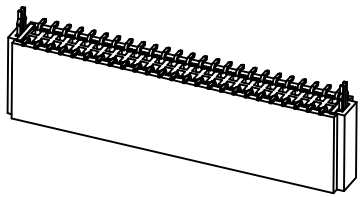
180° SMT

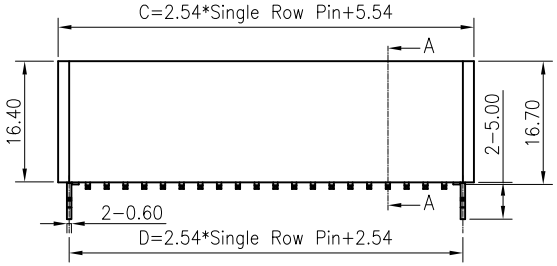
Pin数码	端子电镀:	塑胶高度:	包装方式:
SEE TABLE 006=2*3PIN ～ 100=2*50PIN	S0=Gold Flash/Tin (半金锡) S1=1u" Gold/Tin S2=3u" Gold/Tin S3=5u" Gold/Tin S4=10u" Gold/Tin S5=15u" Gold/Tin S6=30u" Gold/Tin	164=16.40mm	C=TRAY

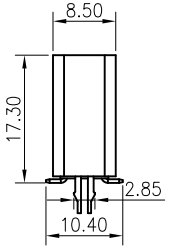
TABLE

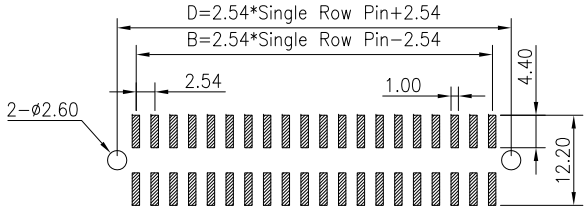
No. OF PIN	A	B	C	D
006=2x3PIN	10.16	5.08	13.16	10.16
008=2x4PIN	12.70	7.62	15.70	12.70
010=2x5PIN	15.24	10.16	18.24	15.24
012=2x6PIN	17.78	12.70	20.78	17.78
014=2x7PIN	20.32	15.24	23.32	20.32
016=2x8PIN	22.86	17.78	25.86	22.86
018=2x9PIN	25.40	20.32	28.40	25.40
020=2x10PIN	27.94	22.86	30.94	27.94
022=2x11PIN	30.48	25.40	33.48	30.48
024=2x12PIN	33.02	27.94	36.02	33.02



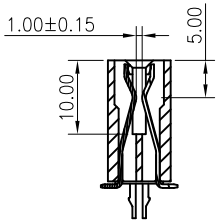




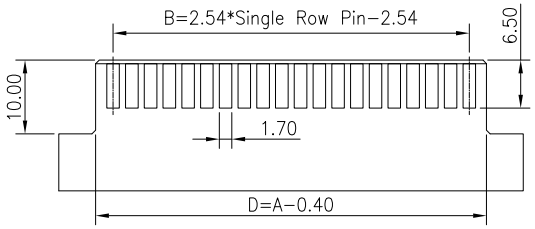


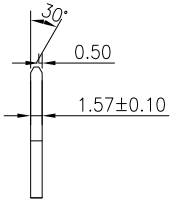


RECOMMENDED PCB LAYOUT(TOP SIDE)
PCB BOARD TOLFRANCF±0.05



SECTION: A-A





ROMMENDED PLUG-PCB LAYOUT
TOLERANCE ±0.05

No. OF PIN	A	B	C	D
026=2x13PIN	35.56	30.48	38.56	35.56
028=2x14PIN	38.10	33.02	41.10	38.10
030=2x15PIN	40.64	35.56	43.64	40.64
032=2x16PIN	43.18	38.10	46.18	43.18
034=2x17PIN	45.72	40.64	48.72	45.72
036=2x18PIN	48.26	43.18	51.26	48.26
038=2x19PIN	50.80	45.72	53.83	50.83
040=2x20PIN	53.34	48.26	56.34	53.34
042=2x21PIN	55.88	50.80	58.88	55.88
044=2x22PIN	58.42	53.34	61.42	58.42
046=2x23PIN	60.96	55.88	63.96	60.96
048=2x24PIN	63.50	58.42	66.50	63.50
050=2x25PIN	66.04	60.96	69.04	66.04
052=2x26PIN	68.58	63.50	71.58	68.58
054=2x27PIN	71.12	66.04	74.12	71.12
056=2x28PIN	73.66	68.58	76.66	73.66
058=2x29PIN	76.20	71.12	79.20	76.20
060=2x30PIN	78.74	73.66	81.74	78.74
062=2x31PIN	81.28	76.20	84.28	81.28
064=2x32PIN	83.28	78.74	86.82	83.82
066=2x33PIN	86.36	81.28	89.36	86.36
068=2x34PIN	88.90	83.82	91.90	88.90
070=2x35PIN	91.44	86.36	94.44	91.44
072=2x36PIN	93.98	88.90	96.98	93.98
074=2x37PIN	96.52	91.44	99.52	96.52
076=2x38PIN	99.06	93.98	102.06	99.06
078=2x39PIN	101.60	96.52	104.60	101.60
080=2x40PIN	104.14	99.06	107.14	104.14
082=2x41PIN	106.68	101.60	109.68	106.68
084=2x42PIN	109.22	104.14	112.22	119.22
086=2x43PIN	111.76	106.68	114.76	111.76
088=2x44PIN	114.30	109.22	117.30	114.30
090=2x45PIN	116.84	111.76	119.84	116.84
092=2x46PIN	119.38	114.30	122.38	119.38
094=2x47PIN	121.92	116.84	124.92	121.92
096=2x48PIN	124.46	119.38	127.46	124.46
098=2x49PIN	127.00	121.92	130.00	127.00
100=2x50PIN	129.54	124.46	132.54	129.54

REV	DATE	MODIFICATION DESCRIPTION	CHANGE	APPROVE
A0		NEW	———	———

OPERATION		DRAW	Mr.Zeng	2024.09.10
X.X	±0.40	DESIGN	Mr.Zeng	2024.09.10
X.XX	±0.35	CHECK	Mr.Deng	2024.09.10
X.XXX	±0.15	APPROVE	Mr.Wang	2024.09.10
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.

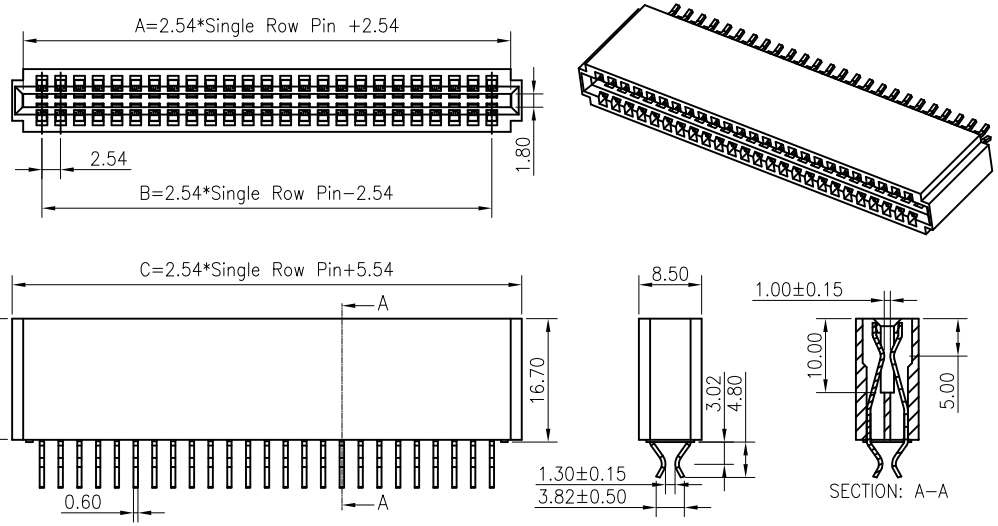
SIZE	A4	PART NO.	61H1- M XXX XX 164 C 01
SHEET	1/1	TITLE:	2.54mm 金手指 SMT 180° 鱼叉脚
PROJ.		DRAW NO.	SP-1294

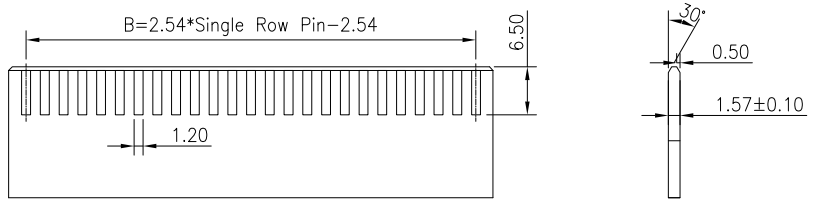
客户图

NOTES:
1. FINISH:
   1.1 HOUSING: PA10T BLACK,UL94V-0.
   1.2 CONTACT: C18400, GOLD (SEE P/N) PLATED IN CONTACT AERA, 80u" MIN MATTE TIN PLATED IN SOLDER AREA, 50u" MIN. NICKEL UNDERPLATED OVERALL.
2. ELECTRICAL:
   2.1 CURRENT RATING:12Amp;
   2.2 DIELECTRIC WITHSTANDING VOLTAGE: 750V AC/DC.
   2.3 CONTACT RESISTANCE: 20mΩ MAX.
   2.4 INSULATION RESISTANCE: 1000MΩ MIN.
   2.5 OPERATION TEMPERATURE:-55°C TO +125°C.
3. ALL MATERIALS MUST BE ROHS MATERIALS
4. ORDER INFORMATION:

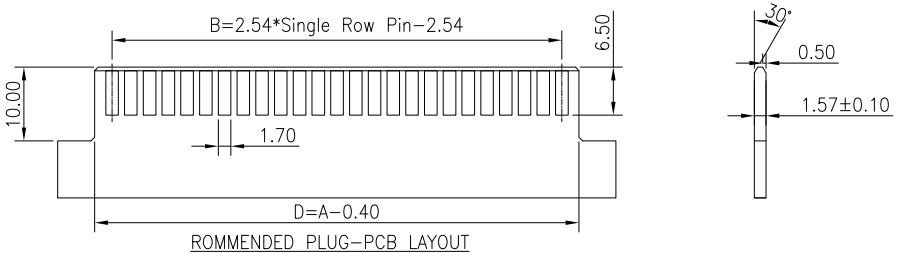
61H1- J XXX XX 164 C 01

- 180° 直插
- Pin数码: SEE TABLE 006=2*3PIN ～ 100=2*50PIN
- 端子电镀: S0=Gold Flash/Tin (半金锡); S1=1u" Gold/Tin; S2=3u" Gold/Tin; S3=5u" Gold/Tin; S4=10u" Gold/Tin; S5=15u" Gold/Tin; S6=30u" Gold/Tin
- 塑胶高度: 164=16.40mm
- 包装方式: C=TRAY





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



ROMMENDED PLUG-PCB LAYOUT
TOLERANCE ±0.05

TABLE

No. OF PIN	A	B	C
006=2x3PIN	10.16	5.08	13.16
008=2x4PIN	12.70	7.62	15.70
010=2x5PIN	15.24	10.16	18.24
012=2x6PIN	17.78	12.70	20.78
014=2x7PIN	20.32	15.24	23.32
016=2x8PIN	22.86	17.78	25.86
018=2x9PIN	25.40	20.32	28.40
020=2x10PIN	27.94	22.86	30.94
022=2x11PIN	30.48	25.40	33.48
024=2x12PIN	33.02	27.94	36.02

No. OF PIN	A	B	C
026=2x13PIN	35.56	30.48	38.56
028=2x14PIN	38.10	33.02	41.10
030=2x15PIN	40.64	35.56	43.64
032=2x16PIN	43.18	38.10	46.18
034=2x17PIN	45.72	40.64	48.72
036=2x18PIN	48.26	43.18	51.26
038=2x19PIN	50.80	45.72	53.83
040=2x20PIN	53.34	48.26	56.34
042=2x21PIN	55.88	50.80	58.88
044=2x22PIN	58.42	53.34	61.42
046=2x23PIN	60.96	55.88	63.96
048=2x24PIN	63.50	58.42	66.50
050=2x25PIN	66.04	60.96	69.04
052=2x26PIN	68.58	63.50	71.58
054=2x27PIN	71.12	66.04	74.12
056=2x28PIN	73.66	68.58	76.66
058=2x29PIN	76.20	71.12	79.20
060=2x30PIN	78.74	73.66	81.74
062=2x31PIN	81.28	76.20	84.28
064=2x32PIN	83.28	78.74	86.82
066=2x33PIN	86.36	81.28	89.36
068=2x34PIN	88.90	83.82	91.90
070=2x35PIN	91.44	86.36	94.44
072=2x36PIN	93.98	88.90	96.98
074=2x37PIN	96.52	91.44	99.52
076=2x38PIN	99.06	93.98	102.06
078=2x39PIN	101.60	96.52	104.60
080=2x40PIN	104.14	99.06	107.14
082=2x41PIN	106.68	101.60	109.68
084=2x42PIN	109.22	104.14	112.22
086=2x43PIN	111.76	106.68	114.76
088=2x44PIN	114.30	109.22	117.30
090=2x45PIN	116.84	111.76	119.84
092=2x46PIN	119.38	114.30	122.38
094=2x47PIN	121.92	116.84	124.92
096=2x48PIN	124.46	119.38	127.46
098=2x49PIN	127.00	121.92	130.00
100=2x50PIN	129.54	124.46	132.54

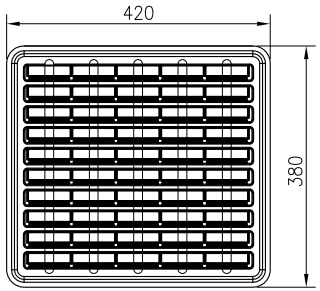
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	APPROVE
A0		NEW	———	———

OPERATION		DRAW	Mr.Zeng	2024.09.04
X.X	±0.40	DESIGN	Mr.Zeng	2024.09.04
X.XX	±0.35	CHECK	Mr.Deng	2024.09.04
X.XXX	±0.15	APPROVE	Mr.Wang	2024.09.04
Angle	±3°			
DIM.	TOL	UNIT	mm	SCALE 1:1

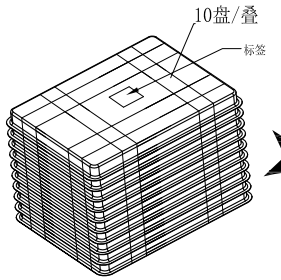
SOLEPiN 东莞市硕品电子有限公司
Professional connector manufacturer DONGGUAN SOLEPIN ELECTRONICS CO., LTD.

SIZE	A4	PART NO.	61H1- J XXX XX 164 C 01
SHEET	1/1	TITLE:	2.54mm 金手指 夹板式
PROJ.		DRAW NO.	SP-1283

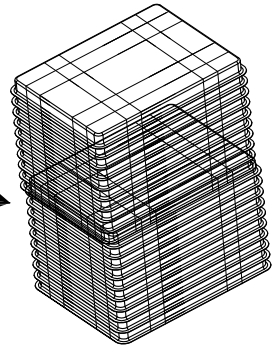
包装图



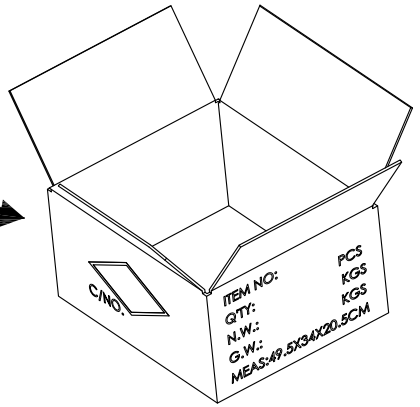
50 PCS/盘

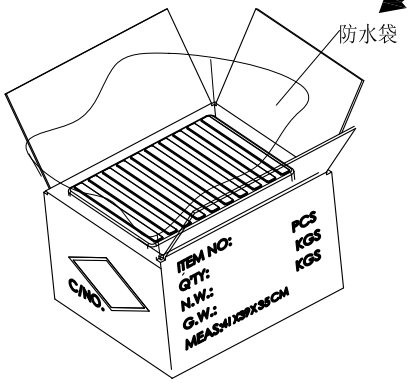


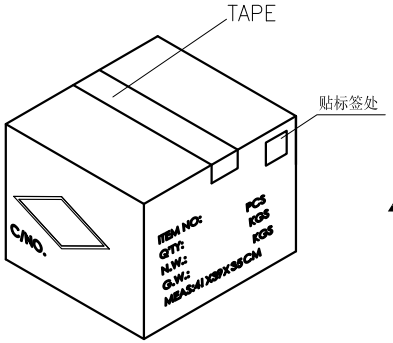
10盘用PE膜绑井字型
最顶部放一个空盘子



2捆产品







要求:

1. 真空盒420*380*15.0，不可有破损，50PCS/盒。
2. 纸箱450*410*350，材质：K=K，不可有破损，
   加装防水PE袋及干燥剂。
   （20*50PCS/盒=1000PCS/箱）
3. 将装好产品的10个真空盒整齐叠放在一起，共
   两叠1000PCS,放入纸箱中，用封箱胶纸封好纸箱。

REV	DATE	MODIFICATION DESCRIPTION	CHANGE	APPROVE
A0		NEW	———	———

OPERATION		DRAW	FDL	2019.09.23
X.X	±0.40	DESIGN	Jensen	2019.09.23
X.XX	±0.25	CHECK	Jack	2019.09.23
X.XXX	±0.15	APPROVE	Andy	2019.09.23
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.

SIZE	A4	PART NO.	61H1-XXXXX085CXX
SHEET	2/2	TITLE:	SLOT PITCH 2.54 R/A DIP CONNECTOR包装图
PROJ.		DRAW NO.	SP-226

SPECIFICATION OF PRODUCT（产品规格）

1. SCOPE 适用范围

This product specification defines the product performance and the test methods to ascertain the performance of the Power Edge Connertor , which is designed and manufactured by SOLEPIN Electronic Co., Ltd. This product specification is applicable but not only for those part numbers which be shown in the cover page.

本产品规格书规定了由硕品电子有限公司设计生产的 Power Edge 型连接器产品的特性及测试方法。本产品规格书适用于但不局限于封面所显示的产品料号。

2. REFERENCE DOCUMENTS 参考文件

MIL-STD-1344 Test method for electrical connector 电子连接器测试方法
MIL-STD-202 Test method for electrical components 电子零件测试方法
EIA364 Test method for electrical components 电子零件测试方法
JIS C 0051 Test method for electrical components 电子零件测试方法
MIL-G-45204C Specification for gold plating 镀金规格
IEC-512-3 IEC standard for current carrying capacity tests IEC电流测试标准
QQ-N-290A Specification for nickel plating 镀镍规格
MIL-P-81728A Specification for tin/lead plating 镀锡铅规格
MIL-T-10727B Specification for tin plating 镀锡规格
UL1977 UL standard for safety of attachment plug and receptacle UL安规要求标准

3. FEATURE & DIMENSIONS 特征及尺寸

3.1. PRODUCT DIMENSION 产品尺寸

These connectors shall have the dimensions as shown in drawing.

本产品的相关尺寸参见图面。

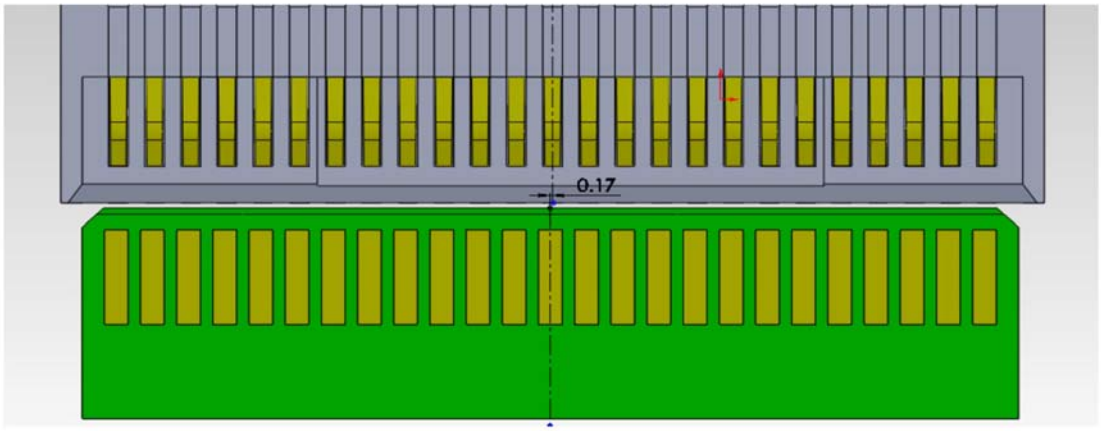
3.2.MALE AND FEMALE PRODUCT 公母产品装配

3.2.1. Perpendicular to engaging direction垂直插入方向

the design of the centering ang guiding in the mpc of the free and fixed board connector modules shall accept a misalignment of 0.17MM in transverse and 0.12MM in longitudinal axes of the connector

固定板连接器模件的Mpc裡，连接器设计中心线横向可接受0.17mm和纵向可接受0.12mm的偏差

allowed misalignment in transverse axes在横向方向允许对插偏差量

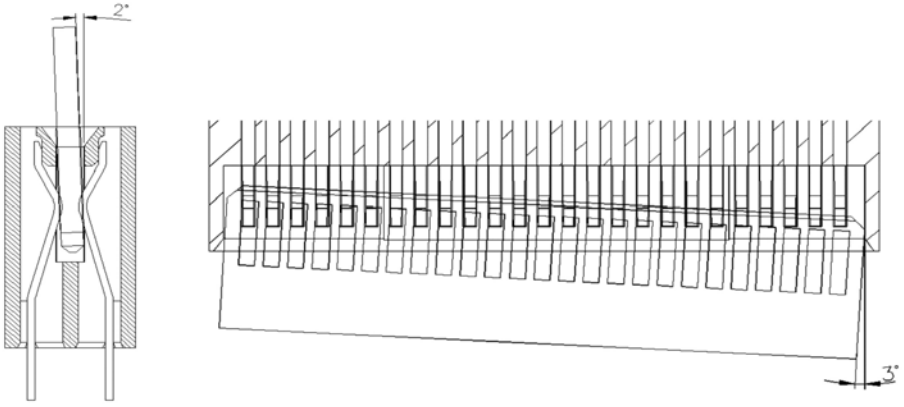


allowed misalignment in longitudinal axes在纵向方向允许对插偏差量

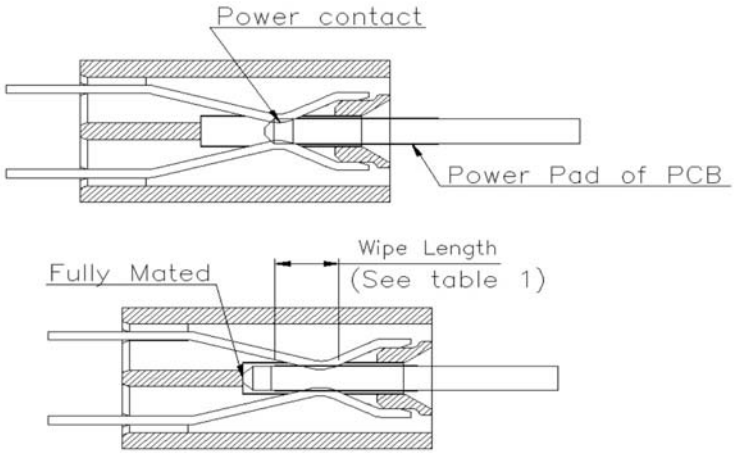
3.2.2 Inclination倾向

The center and guiding in the Mpc OF THE FREE AND THE FIXED BOARD connector modules shall allow an initial angular misalignment of 2 FROM both the transverse and longitudinal axes

固定板连接器模件的在Mpc裡,连接器可接受横向3·和纵向2·的最大倾斜对插角度。

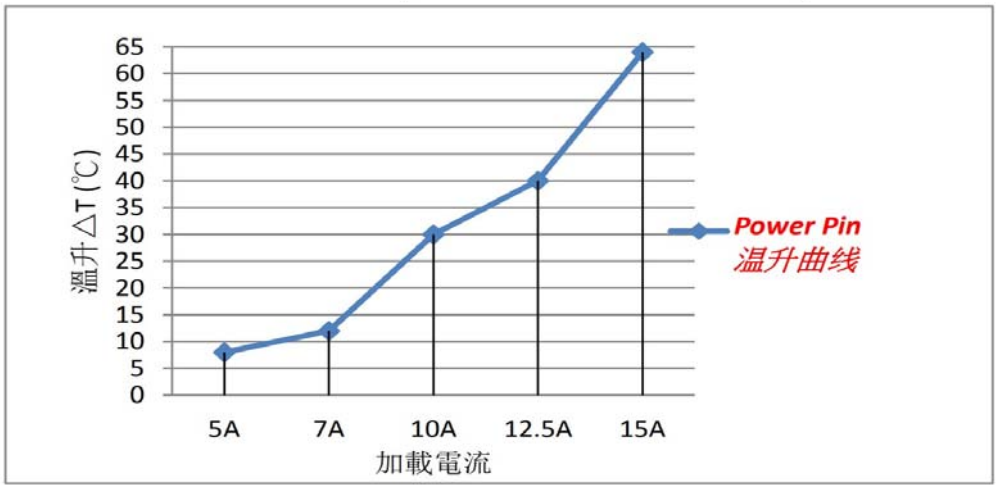


3.2.3 Capability for products wipe length
产品接触长度等级



CONTACT	MATING LEVEL	WIPE LENGTH(MIN)
Power Pin	1	3.38mm

3.3. PCB/PANEL LAYOUT 印刷电路板佈局
The recommended PCB layout is shown in drawing.
本产品适用的 PCB layout 参见图面。
3.4. BILL OF MATERIAL 材料清单
Harmful material controlling follows the requirements of RoHS. The bill of material is described in
drawing.
有害物质控制符合RoHS指令要求。本产品使用的材料参见图面。
3.5. MECHANICAL & ELECTRICAL CHARACTERISTIC 机械及电气特性
The connector shall have the mechanical and electrical performance as described in drawing.
本产品的机械及电气特性参见图面。
3.6. PACKAGING 包装
Products shall be packaged according to requirements specified in purchase order for safe delivery,
connector container and the packaging method are shown in package specification.
产品可依客户指定要求包装，包装材料与包装方式参见产品包装规范。
3.7 RATING CURRENT AND RATING VOLTAGE 额定电流与额定电压
Rating current: Power pin 12.5A for UL
额定电流: Power pin 12.5A for UL
Rating voltage is 12V DC RMS.
额定电压 12V DC RMS。



3.9 STORAGE AND OPERATING TEMPERATURE 存贮与使用温度
Temperature range: -5° C~+105° C, including terminal temperature rise for rating current.
Storage Temperature :0° C~+40° C, Humidity: 80% RH under。
温度范围：-5° C~+105° C,包含接触端子的额定电流温升.
储存温度：0° C~+40° C，湿度：80% RH以下.
4. Environmental 环境要求
4.1. SOLDERABILITY 可焊性
Connectors meet solder-ability to MIL-STD-202, and shall be free of contaminants.
产品可焊性符合MIL-STD-202标准规定的相关要求，表面不得有污染物。
4.2. RESISTANCETO SOLDER HEAT 耐焊接热
4.1. WAVE SOLDER 波峰焊接
Each cycle consists of three consecutive phases. as shown in Table II .
每个焊接周期包括三个连续的阶段,见附表二。
Note: 说明
Device temperature measurements are referenced from the top-center of the package outer
5. PERFORMANCE AND TEST DESCRIPTION 性能及测试
5.1. REQUIREMENT 要求
Product is designed to meet electrical, mechanical, and environmental performance requirements
specified in Table I.
本产品设计符合附表一所列的机械，电气及环境要求。
5.2. TEST CONDITION 测试条件
Unless otherwise specified, all tests shall be performed at ambient environmental conditions.
除非特别注明，所有测试在室温条件下完成。
5.3. SAMPLE SELECTION 样品选择
Test samples shall be selected at random from current production. No test samples shall be reused.
Samples are pre-conditioned with 10cycles of durability. Each group shall be containing 5 test samples
at least.
测试样品从现生产的产品中随机抽取，所有测试过的样品不得重复使用。样品已预先插拔10次，每组测

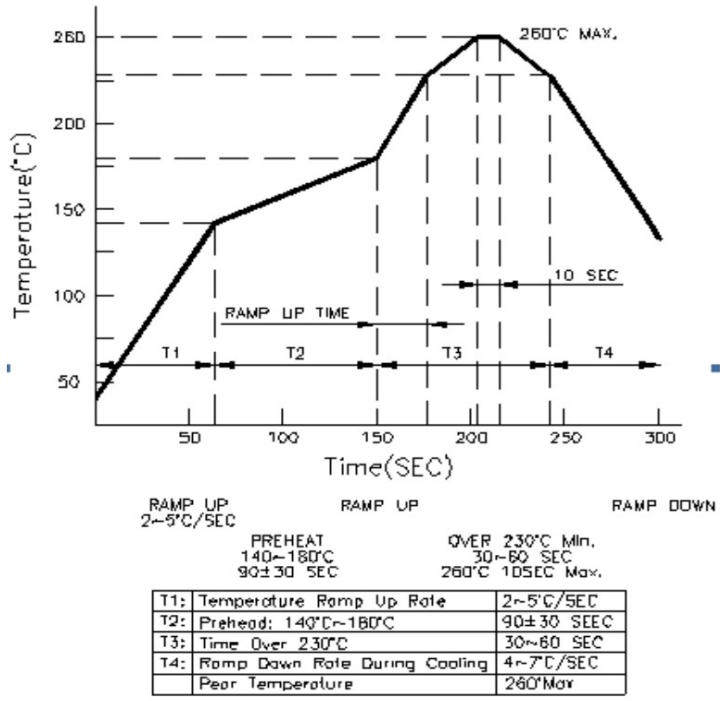
1. Mechanical Performance （机械特性）

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）			
Items 項目		Requirements 要求	Test Methods 測試方法
1	Dielectric withstanding voltage 耐电压	Power pin must withstand test potential of 1000 VAC RMS for 1 minute, current leakage must be 0.2mA Max.Power pin 必须承受测试电压 1000VAC RMS，时间 1 分钟，漏电流不大于 0.2 mA。	Measure by applying test potential between the adjacent contacts, and between the contacts and ground in the mated connector. 对产品相邻端子间以及端子与接地间加载电压，并测试其漏电流。
2	Insulation resistance 绝缘阻抗	Power pin: 5000 MΩ Min. Power pin 最小 5000 MΩ. Per EIA 364-21 TP06 ,Condition B 適用：EIA 364 -21TP06,條件 B	Measure by applying test potential between the adjacent contacts, and between the contacts and ground in the mated connector.(500 V DC±10%). 測試產品相鄰端子間以及端子與接地間的電阻(500 V DC±10%)。
3	Low level Conductor resistance 接触阻抗	Power pin:2.5 mΩ Max.initial. Contact resistance change△1.5mΩ Max Power pin 初始状态 2.5mΩ Max, 接触电阻变化值 △1.5 mΩ Max	Subject mated contacts assembled in housing to closed circuit of 20 mA max , 20mV max. 所述固定端子连结到一个封闭回路中测试,电流20 mA max,电压 20 mV max。
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 ℃ 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℃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℃,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℃、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 ℃ 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℃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℃,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℃、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℃,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℃、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 ± 2℃,75%RH 、3±1ppm 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℃相对湿度 75%RH、H2S 浓度 3±1ppm 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	uject unmated connectors shall be tested in accordance with EIA364–32 Test Condition Ⅰ. -55±2℃(30 minute) →+25±2℃(5 minute) →+85±2℃(30 minute) →+25±2℃(5 minute) consecutive 5 cycles. 适配板对板连接器，环境温度-55±2℃(30 minute) →+25±2℃(5 minute) →+85±2℃(30 minute) →+25±2℃(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℃ with 90％ to 95％ R.H. Test as per EIA 364 – 31 Method Ⅱ Test Condition 环境温度 60℃，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)



T1:	Temperature Ramp Up Rate	2~5°C/SEC
T2:	Preheat: 140°C~180°C	90±30 SEEC
T3:	Time Over 230°C	30~60 SEC
T4:	Ramp Down Rate During Cooling	4~7°C/SEC
	Peak Temperature	260°Max

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