

■ SPECIFICATIONS

- Current Rating : 3A AC/DC
- Withstanding Voltage : 1,000V AC/minute
- Insulation Resistance : 1,000MΩ min
- Temperature Range : -25°C to +85°C
- Contact Resistance : 20mΩ max

■ HOUSING

- Part No. : JS-1142-XXXX <sup>①</sup> <sup>②</sup> <sup>④</sup>

- ① Poles : 02~18
- ② Base Color :  
Blank : Black  
W : White  
GY : Gray

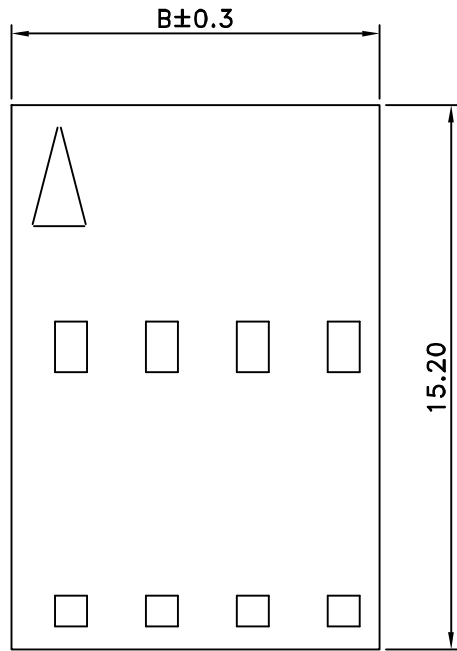
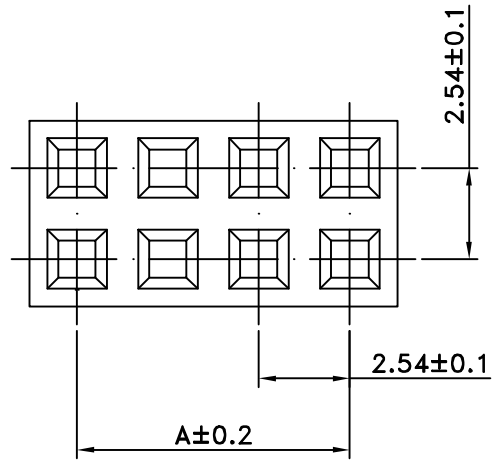
- Material : PBT UL94V-0
- Q' ty : 1,000 pcs./Bag

Poles	Dimensions(mm)		
	A	B	C
2	2.54	5.35	----
3	5.08	7.89	----
4	7.62	10.43	5.08
5	10.16	12.97	7.62
6	12.70	15.51	10.16
7	15.24	18.05	12.70
8	17.78	20.59	15.24
9	20.32	23.13	17.78
10	22.86	25.67	20.32
11	25.40	28.21	22.86
12	27.94	30.75	25.40
13	30.48	33.29	27.94
14	33.02	35.83	30.48
15	35.56	38.37	33.02
16	38.10	40.91	35.56
17	40.64	43.45	38.10
18	43.18	45.99	40.64

**CS** 喬訊電子工業股份有限公司  
**CHYAO SHIUNN**  
**ELECTRONIC INDUSTRIAL LTD.**

**PART NO** JS-1142-XXXX  
**2.54mm WIRE TO BOARD CONNECTOR, WITH LATCH & RIB**

APPROVED BY	SCALE	UNIT	TOLERANCE	LTR	REVISION RECORD	NAME	DATE	LTR	REVISION RECORD	NAME	DATE
Tom Shih		mm	.0 ±0.30	△	增加2P、3P示意圖	黃科源	2007/05/25	△	Edit Dim. B table	Erin	2023/06/29
CHECKED BY	PROJ	VER NO.	.00 ±0.20	△	圖面尺寸修改	黃科源	2007/06/12	△			
Erin Chou		a8	.000 ±0.10	△	圖面尺寸修改	黃科源	2008/09/10	△			
DRAWN BY	DATE	SIZE	ANGLE		合併產品與料號	王誠賢	2011/07/13	CUSTOMER			
Erin Chou	2023/06/29	A4	0° ±1°	△	修改B點尺寸與新增至25P	王誠賢	2012/06/01				
			0° ±	△	Add Gate position is not fixed makeup	Tom Lee	2017/04/10				
			SHEET	1/1	新增2p、3p上視圖	Tom Lee	2018/05/22	Conforms to The RoHS Instruction			



### ■ SPECIFICATIONS

- Voltage Rating : 250V AC/DC
- Current Rating : 3A AC/DC
- Withstanding Voltage : 1,000V AC/minute
- Insulation Resistance : 1,000MΩ min.
- Temperature Range : - 25°C to + 85°C
- Contact Resistance : 20mΩ max.

### ■ HOUSING

- Part No. : JS-1142DB-XXXx2  
 JS-1142DB-XXx2 : GP Produces  
 JS-1142DB-0XXx2 : Non GP Produces
- Poles : 02x2-30x2
- △ Material : Base : PBT UL94V-0
- Q' ty : 1,000 pcs./Bag

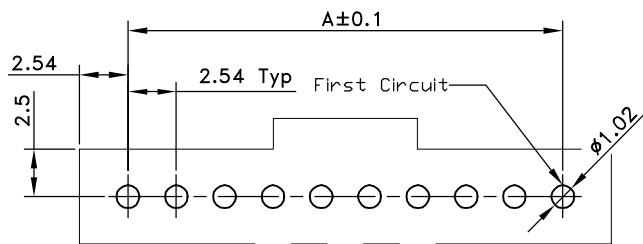
Poles	Dimenslons (mm)		Poles	Dimenslons (mm)	
	A	B		A	B
2x2	2.54	5.08	17x2	40.64	43.18
3x2	5.08	7.62	18x2	43.18	45.72
4x2	7.62	10.16	19x2	45.72	48.26
5x2	10.16	12.70	20x2	48.26	50.80
6x2	12.70	15.24	21x2	50.80	53.34
7x2	15.24	17.78	22x2	53.34	55.88
8x2	17.78	20.32	23x2	55.88	58.42
9x2	20.32	22.86	24x2	58.42	60.96
10x2	22.86	25.40	25x2	60.96	63.35
11x2	25.40	27.94	26x2	63.35	66.04
12x2	27.94	30.48	27x2	66.04	68.58
13x2	30.48	33.02	28x2	68.58	71.12
14x2	33.02	35.56	29x2	71.12	73.66
15x2	35.56	38.10	30x2	73.66	76.20
16x2	38.10	40.64			



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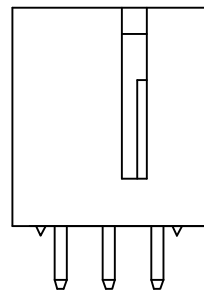
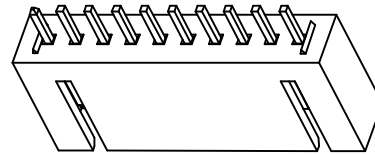
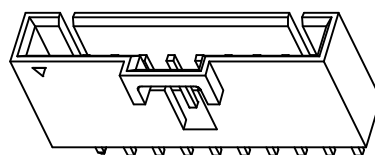
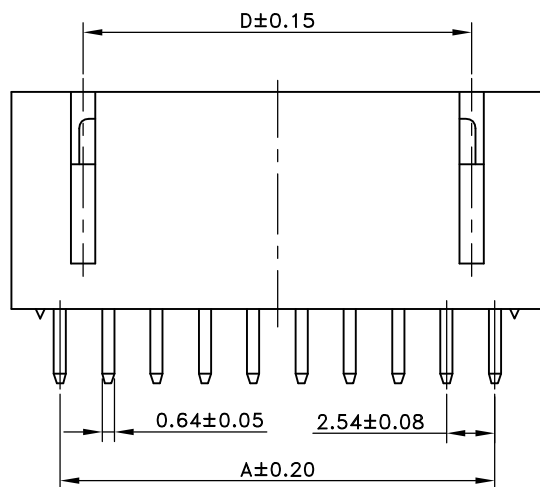
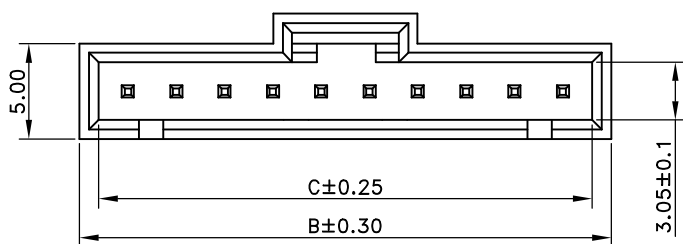
APPROVED BY	SCALE	UNIT	TOLERANCE	LTR	REVISION RECORD	NAME	DATE	LTR	REVISION RECORD	NAME	DATE
Tom Shih		mm	.0 ±0.30	△	Rosh compliant	余秀麗	2006/06/26	△			
CHECKED BY	PROJ	VER NO.	.00 ±0.20	△	變更材質 PBT	Eddie	2019/03/04	△			
Erin Chou	⊕	a2	.000 ±0.10	△				△			
DRAWN BY	DATE	SIZE	ANGLE	△					CUSTOMER		
Eddie	2019/03/04	A4	0° ±1°	△					Conforms to The RoHS Instruction		
			.0° ±	△							
			SHEET 1/1	△							

PART NO JS-1142DB-XXx2  
 2.54mm crimp style connectors Housing

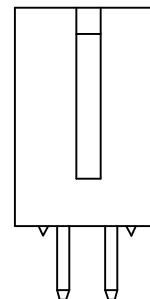


Recommended PCB Layout(Top View)

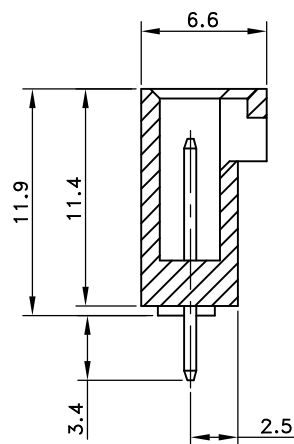
TOLERANCE:±0.05



3 Circuit



2 Circuit



■ SPECIFICATIONS

- Current Rating : 3A AC/DC
- Withstanding Voltage : 1,000V AC/minute
- Insulation Resistance : 1,000MΩ min.
- Temperature Range : - 25°C to + 85°C
- Contact Resistance : 20mΩ max.

■ WAFER

- Part No. : JS-1143-XX (XX XX XX)

① ② ③ ④

① Poles:2~16PIN

② Material: Blank : PBT UL94V-0  
V0 : PA66 UL94V-0

⑦ ③ Plated: Blank : Gold Flash Plated.  
T : Tin Plated

⑥ ④ DIP Length: Blank : DIP=3.4mm  
D : DIP=3.0mm

⑨ • Packing : Bag

Poles	Dimensions(mm)			
	A	B	C	D
2	2.54	7.62	5.60	—
3	5.08	10.16	8.14	—
4	7.62	12.70	10.68	5.08
5	10.16	15.24	13.22	7.62
6	12.70	17.78	15.76	10.16
7	15.24	20.32	18.30	12.70
8	17.78	22.86	20.84	15.24
9	20.32	25.40	23.38	17.78
10	22.86	27.94	25.92	20.32
11	25.40	30.48	28.46	22.86
12	27.94	33.02	31.00	25.40
13	30.48	35.56	33.54	27.94
14	33.02	38.10	36.08	30.48
15	35.56	40.64	38.62	33.02
16	38.10	43.18	41.16	35.56
17	40.64	45.72	43.70	38.10
18	43.18	48.26	46.24	40.64



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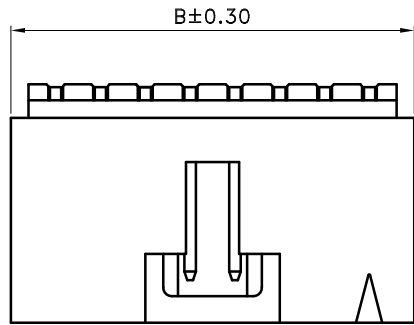
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APPROVED BY	SCALE	UNIT	TOLERANCE	LTR	REVISION RECORD	NAME	DATE	LTR	REVISION RECORD	NAME	DATE
Tom Shih	1:1	mm	.0 ±0.30	①	RoHS compliant		07-01-03	①	修正敘述	吳城文	15-04-15
CHECKED BY	PROJ	VER NO.	.00 ±0.25	②	200705-018		07-05-28	②	更正包裝方式	Eddie	18-09-21
Erin Chou	④	a9	.000 ±0.10	③	200803-022		08-03-20	③			
DRAWN BY	DATE	SIZE	ANGLE	④	200809-009		08-09-10				
Eddie	2018/09/21	A4	0° ±1°	⑤	201108-001圖面整理	周美群	11-08-08				
			.0° ±	⑥	新增規格	周美群	13-01-28				
			SHEET 1/1	⑦	修改鍍層編碼	張逸謙	13-03-14				

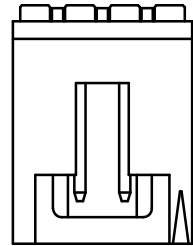
PART NO JS-1143-XX

2.54mm Crimp Style Connectors Wafer

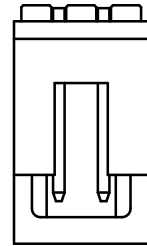
CUSTOMER  
Conforms to The RoHS Instruction



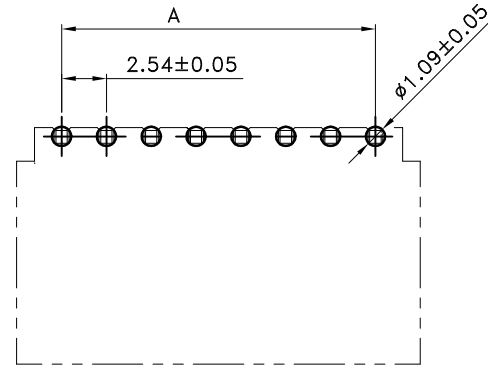
4~18 Circuit



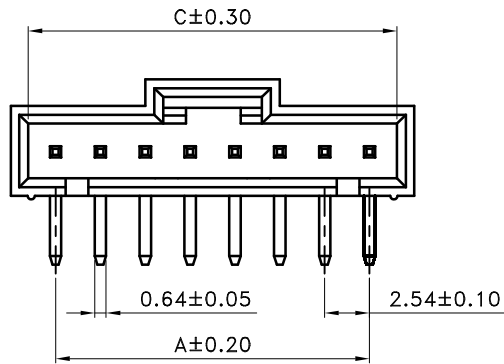
3 Circuit



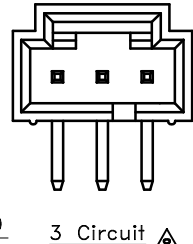
2 Circuit



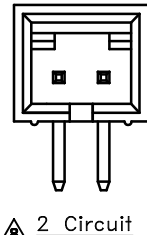
Recommended PCB Layout (Top View)  
General Tolerance ±0.05



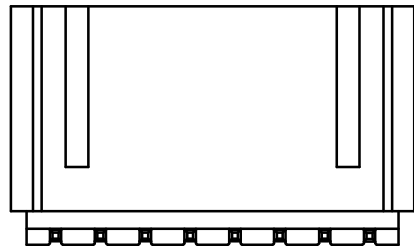
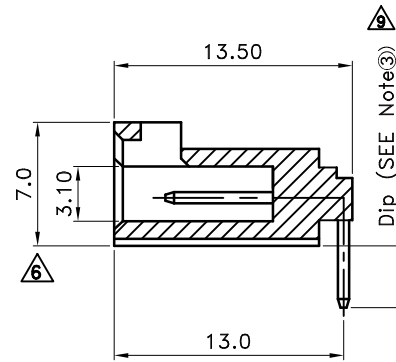
4~18 Circuit



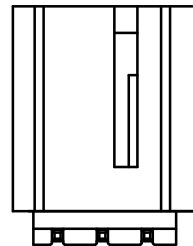
3 Circuit



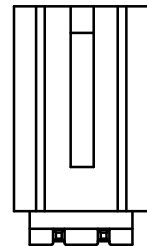
2 Circuit



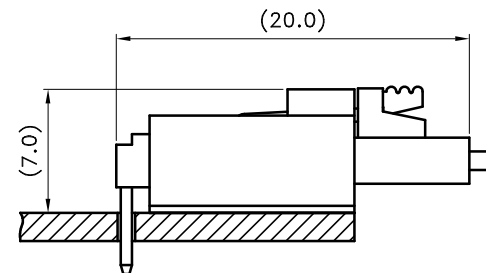
4~18 Circuit



3 Circuit



2 Circuit



Assembled on the PCB

- SPECIFICATIONS
- Current Rating : 3A AC/DC
  - Withstanding Voltage : 1,000V AC/minute
  - Insulation Resistance : 1,000MΩ min.
  - Temperature Range : - 25°C to + 85°C
  - Contact Resistance : 20mΩ max.

- WAFER
- Part No. : JS-1143R-XX(XX) XX XX
  - Code No. : ① ② ③ ④
  - ① Poles : 02~18

- ② Base Material: Blank : PBT UI94V-0  
GF: PA66 +G.F UL94V-0
- Dip Length : Blank : 3.5mm
- D : 2.8mm

- ③ Packing : Blank : Bag (袋裝)
- ④ /T : Tray (盤裝)

- Material :
  1. Contact : Brass, Gold Plated
  2. Base : Refer the above options

Poles	Dimensions(mm)		
	A	B	C
2	2.54	7.62	5.66
3	5.08	10.16	8.20
4	7.62	12.70	10.74
5	10.16	15.24	13.28
6	12.70	17.78	15.82
7	15.24	20.32	18.36
8	17.78	22.86	20.90
9	20.32	25.40	23.44
10	22.86	27.94	25.98
11	25.40	30.48	28.52
12	27.94	33.02	31.06
13	30.48	35.56	33.60
14	33.02	38.10	36.14
15	35.56	40.64	38.68
16	38.10	43.18	41.22
17	40.64	45.72	43.76
18	43.18	48.26	46.30

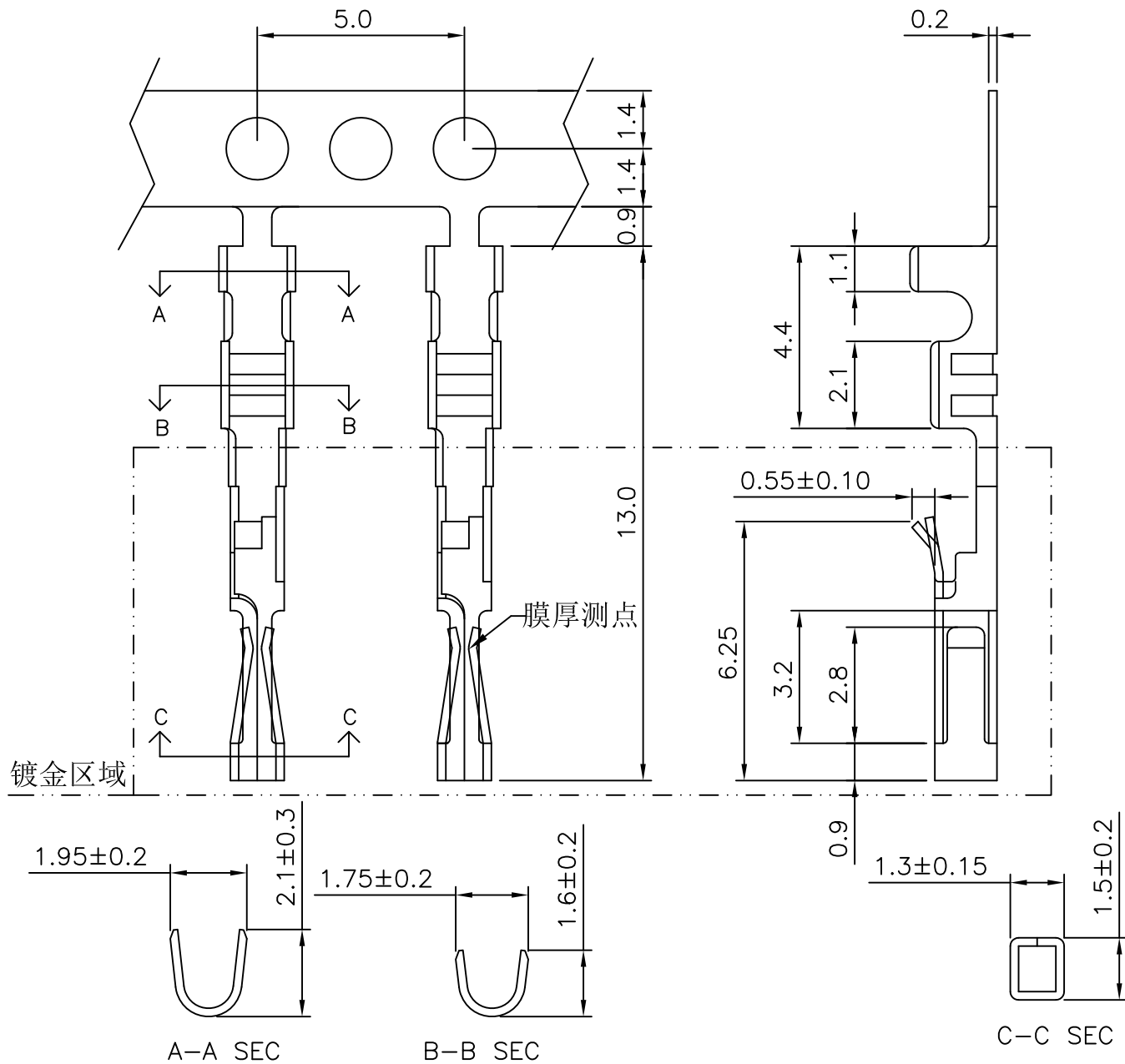


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CHYAO SHIUNN  
ELECTRONIC INDUSTRIAL LTD.

PART NO JS-1143R-XX

2.54mm Series Wire to Board Connector, Right-Angle Type

APPROVED BY	SCALE	UNIT	TOLERANCE	LTR	REVISION RECORD	NAME	DATE	LTR	REVISION RECORD	NAME	DATE
Tom Shih		mm	.0 ±0.30	③	修改尺寸對照表錯誤	黃科源	08/03/20	③	DIP規格選項D 3.0mm修改為2.8mm	謝君	20/12/11
CHECKED BY	PROJ	VER NO.	.00 ±0.20	④	修改PCB Layout孔徑為1.02mm	黃科源	08/09/10	④	添加包裝規格: 盤裝選項	謝君	21/01/05
Tom Shih		a12	.000 ±0.10	⑤	產品高度0.0mm修改為7.0mm & Layout孔為1.09mm	王誠賢	10/06/10	⑤	Delete 9T option of base material	Erin	21/09/09
DRAWN BY	DATE	SIZE	ANGLE		修改物性表內容-B & C尺寸標註位置及合制圖面	王誠賢	11/05/17	CUSTOMER			
Erin Chou	2021/09/09	A4	0° ±1°	⑥	修正0-18P外觀圖	吳弘文	14/03/31				
			0° ±	⑦	增加GF材質&02、03PIN圖示	周家慶	18/02/10	Conforms to The RoHS Instruction			
			SHEET 1/1	⑧	增加dip length note ③	Erin	20/11/09				

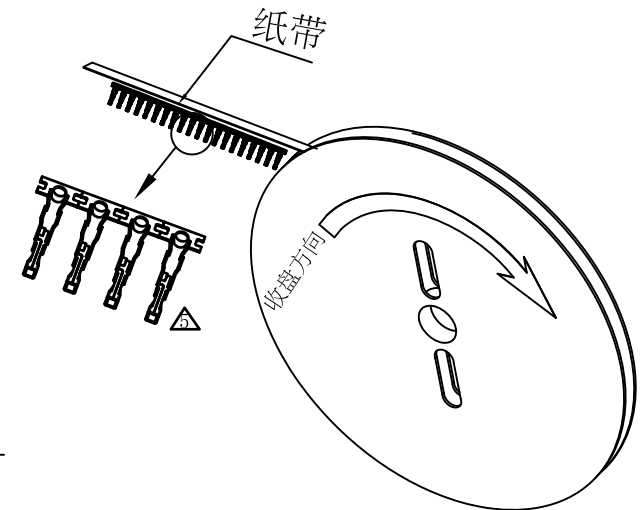



■ SPECIFICATIONS

- Voltage Rating : 250 V AC/DC
- Current Rating : 3A AC/DC
- Withstanding Voltage : 1,000V AC/minute
- Insulation Resistance : 1,000MΩ min
- Temperature Range : - 25°C to + 85°C
- Contact Resistance : 20mΩ max

■ TERMINAL

- Part No. : JS-1142-T, JS-1142-T(G) : GP Produces
  - Tin Plated
  - G:Gold Plated 1u"
  - G1:Gold Plated 15u"
  - G2:Gold Plated 30u"
  - G3:Gold Plated 3u"
- Applicable Wires : AWG# 22 - 30
- Material : Phos. Bronze
- Finish : Tin Plated, Gold Plated(Gold Flash)
- Thickness : 0.2mm
- Q' ty :1,5000 pcs./Reel



 喬訊電子工業股份有限公司 CHYAO SHIUNN ELECTRONIC INDUSTRIAL LTD.	APPROVED BY	SCALE	UNIT	TOLERANCE	LTR	REVISION RECORD	DATE	LTR	REVISION RECORD	DATE
	張育瑞	6:1	mm	.0 ±0.3	ECR	DG 200608-004	06/08/15			
PART NO JS-1142-T;JS-1142-T(G) 2.54mm Crimp Style Connectors Terminal	CHECKED BY	PROJ	VER NO.	.00 ±0.2	ECR	DG 200611-003	06/11/09			
	周家慶	⊕ □	α4	.000 ±0.1	ECR	DG 200707-005	07/07/09			
	DRAWN BY	DATE	SIZE	ALL ±	▲	增加鍍金區域，膜厚測點	13/08/23	CUSTOMER		
	劉娜	2018/1/12	A5	ANGLE	▲	增加包裝方向要求	18/01/12			
				0° ±						Conforms to The RoHS Instruction
				.0° ±						