




SIGN	DATE	DESCRIPTION	APPROVER
△	02/07'06	Part No. is changed.	Tony
△	06/23'06	UL current rating is changed from 10A to 15A	Marvin
△	06/23'06	CSA Voltage rating is changed from 250V to 300V	Marvin
△	06/23'06	Added TUV logo	Marvin
△	1/31'07	Soldering temperature changed from 245° to 250°	Tony
△	2009.09.02	The part No is changed	Jacke

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Material:

- Item Ⓐ Terminal(housing): Thermoplastic (UL94V-0)
- Item Ⓑ Contact pin: Brass, Tin plated

Electrical: UL /VDE/ TUV

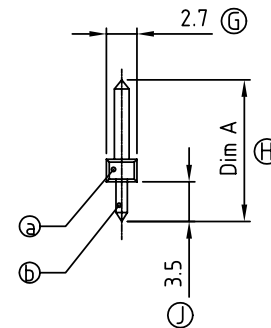
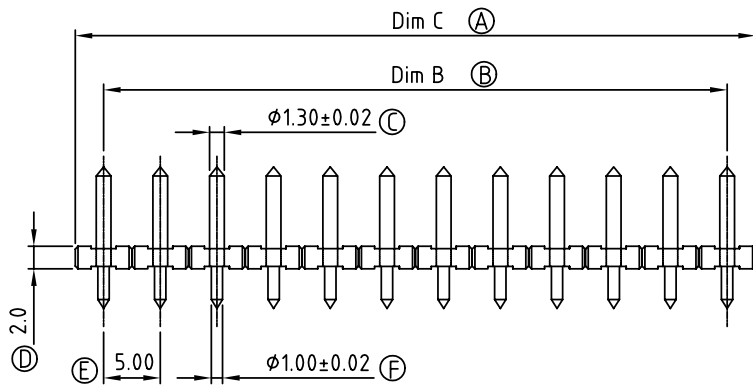
- △ ● Voltage rating: 300V /300V / 300V
- △ ● Current rating: 15A / 12A / 15A
- Withstanding Voltage: 1.6KV / 2.5KV / 2.5KV
- Operating temperature: -40°C to +115°C ( -40°C to +130°C)
- △ ● Soldering temperature: PA66-250°C±10°C/5 Sec (PA46-280°C/5 Sec)
- △ ● Safety Approval:   
- △ ● Part No.:

OP xx 0 x x x xxxx G

POLES  
02 pole Dim A Length  
" " " 2 12.5mm  
24 pole 7 18.0mm  
8 16.2mm

G: Rohs compliant  
Pb<40000ppm  
0000: Standard  
Any special item by  
customer request.  
please contact sales  
department.

0 Tin  
1 Gold plating 10u"  
2 Gold flash




P.C.B. LAYOUT

Poles	02	03	04	05	06	07	08	09	10	11	12	13
Dim C	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.0
Dim B	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.0
TOL	±0.10				±0.15				±0.20			
Poles	14	15	16	17	18	19	20	21	22	23	24	
Dim C	70.0	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0	120.0	
Dim B	65.0	70.0	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0	
TOL	±0.25				±0.30				±0.40			

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TITLE	OP 5.0 Series (Upφ1.3,Downφ1.0)											
PART NO.	OPxx0xxxxxxG △							DWG NO.	80P0002			
APPROVED	CHECKED	DESIGNED	DRAWN	CUST NO.				Tolerance				
		Jacke	Jacke						UNIT: mm	X.	±0.50	
		2010.02.02	2010.02.02						SCALE: NONE	X.X	±0.30	
									SHEET: 01/01	REV.: G	X.XX	±0.10
										X°	±1°	

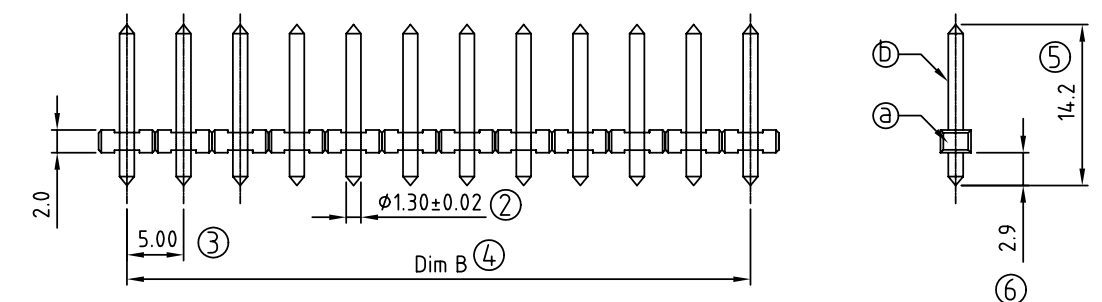
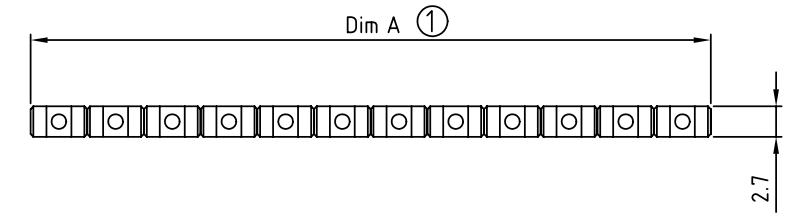
SIGN	DATE	DESCRIPTION	APPROVER
△			
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Material:

- Item ③ Terminal(housing): Thermoplastic (UL94V-0)
- Item ⑥ Contact pin: Brass, Tin plated

Electrical:

- Voltage rating: 300V / 300V / 300V
- Current rating: 15A / 12A / 15A
- Withstanding Voltage: 1.6KV / 2.5KV / 2.5KV
- Operating temperature: -40°C to +115°C (-40°C to +130°C)
- Soldering temperature: PA66-250°C±10°C/5 Sec (PA46-280°C/5 Sec)
- Safety Approval:
- Part No.:

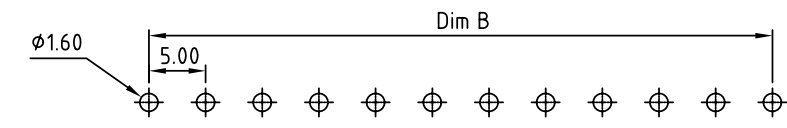


OP xx 0 4 x x xxxx G

POLES ————  
 02,,pole,,  
 24 pole

Tin plating ————  
 0 Tin  
 1 Gold plating 10u"  
 2 Gold flash

G: Pb<40000ppm  
 0000: Standard  
 Any special item by  
 customer request.  
 please contact sales  
 department.

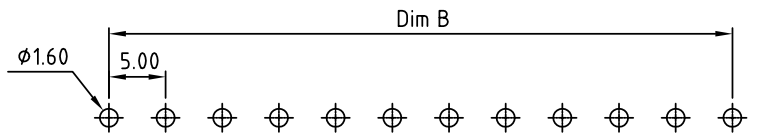
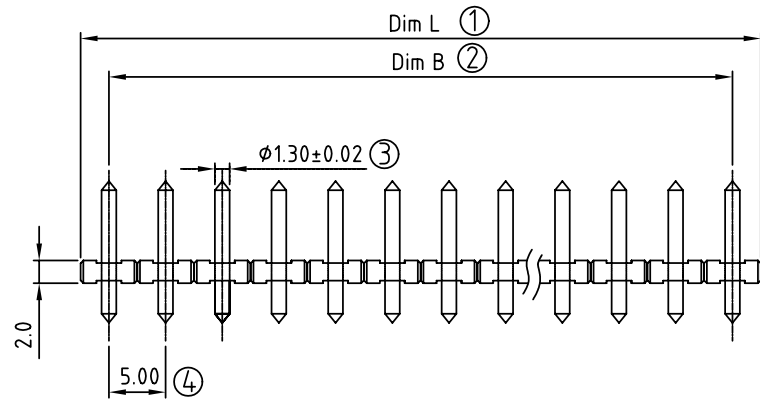


P.C.B. LAYOUT

Poles	02	03	04	05	06	07	08	09	10	11	12	13
Dim C	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.0
Dim B	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.0
TOL	±0.10				±0.15				±0.20			
Poles	14	15	16	17	18	19	20	21	22	23	24	
Dim C	70.0	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0	120.0	
Dim B	65.0	70.0	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0	
TOL	±0.25				±0.30				±0.40			

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TITLE	OP 5.0 Series L=14.2mm						
PART NO.	OPxx04xxxxxxG			DWG NO.	80P0004		
APPROVED	CHECKED	DESIGNED	DRAWN	CUST NO.	Tolerance		
	Marvin 2006.08.07	Marvin 2006.08.07	Marvin 2006.08.07		UNIT: mm	X.	±0.50
					SCALE: NONE	X.X	±0.30
					REVISION: B	X.XX	±0.10
						X°	±1°

SIGN	DATE	DESCRIPTION	APPROVER
△			
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Dim L = N x 5.0  
Dim B = (N - 1) x 5.0

Poles	02	03	04	05	06	07	08	09	10	11	12	13
Dim L	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.0
Dim B	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.0
TOL	±0.10				±0.15				±0.20			
Poles	14	15	16	17	18	19	20	21	22	23	24	
Dim L	70.0	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0	120.0	
Dim B	65.0	70.0	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0	
TOL	±0.25				±0.30				±0.40			

- Material:
- Item (a) Terminal(housing): Thermoplastic (UL94V-0)
  - Item (b) Contact pin: Brass
- Electrical: UL / VDE / TUV
- Voltage rating: 300V / 300V / 300V
  - Current rating: 15A / 12A / 15A
  - Withstanding Voltage: 1.6KV / 2.5KV / 2.5KV
  - Operating temperature: -40°C to +115°C ( -40°C to +130°C)
  - Soldering temperature: PA66-250°C±10°C/5 Sec (PA46-280°C/5 Sec)
  - Safety Approval:

OP xx 0 3 x x xxxx G

POLES ————  
02,,pole,,  
24 pole

G: Pb<40000ppm  
0000: Standard  
Any special item by  
customer request.  
please contact sales  
department.  
0 PA 66  
1 PA46

0 Tin plated 200u"  
1 Gold plateing 10u"  
2 Gold flash

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TITLE	OP 5.0 Series			DWG NO.	80P0007	
PART NO.	OPxx03xxxxxxG			CUST NO.		
APPROVED	CHECKED	DESIGNED	DRAWN	Tolerance		
		Jacke 2010.03.16	Jacke 2010.03.16		UNIT: mm	X. ±0.50
					SCALE: NONE	X.X ±0.30
					SHEET: 01/01	X.XX ±0.10
					REV.: B	X° ±1°

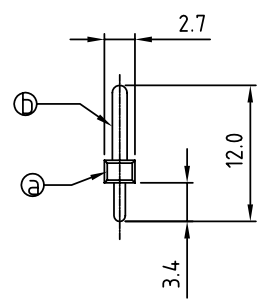
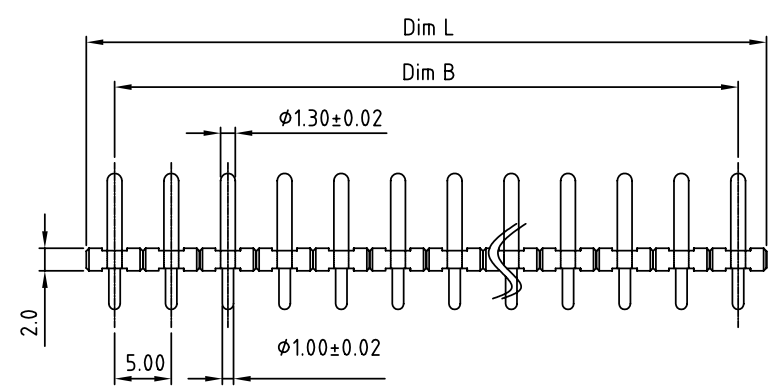
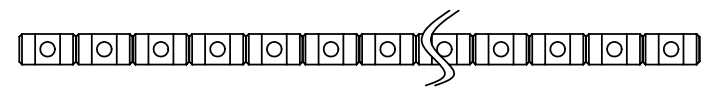
SIGN	DATE	DESCRIPTION	APPROVER
△			
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Material:

- Item ③ Terminal(housing): Thermoplastic (UL94V-0)
- Item ④ Contact pin: Brass, Tin plated

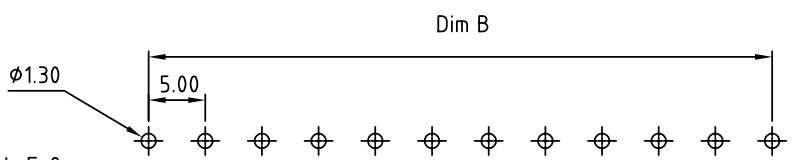
Electrical:

- Voltage rating: 300V / 300V / 300V
- Current rating: 15A / 12A / 15A
- Withstanding Voltage: 1.6KV / 2.5KV / 2.5KV
- Operating temperature: -40°C to +115°C ( -40°C to +130°C)
- Soldering temperature: PA66-250°C±10°C/5 Sec (PA46-280°C/5 Sec)
- Safety Approval:
- Part No.:



OP xx 0 K x x xxxx G

POLES ——— G: Pb<40000ppm  
 02 „pole„  
 24 pole  
 0000: Standard  
 Any special item by  
 customer request.  
 please contact sales  
 department.  
 0 PA 66  
 1 PA 46  
 0 Tin plated 200u"  
 1 Gold plating 10u"  
 2 Gold flash



Dim L=N×5.0  
 Dim B=(N-1)×5.0

P.C.B. LAYOUT

Poles	02	03	04	05	06	07	08	09	10	11	12	13
Dim L	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00
Dim B	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
TOL	±0.10				±0.15				±0.20			
Poles	14	15	16	17	18	19	20	21	22	23	24	
Dim L	70.0	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0	120.0	
Dim B	65.0	70.0	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0	
TOL	±0.25				±0.30				±0.40			

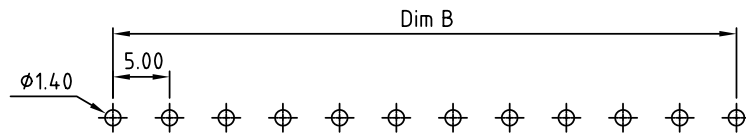
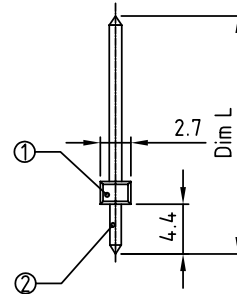
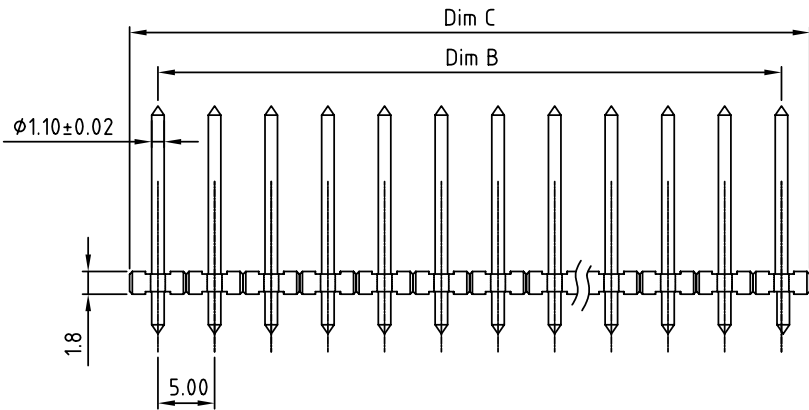
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TITLE	OP 5.0 Series (Upφ1.3,Downφ1.0)												
PART NO.	OPxx0KxxxxxxG								DWG NO.	80P0022			
APPROVED	CHECKED	DESIGNED	DRAWN	CUST NO.									
	Marvin 2008.04.11	Marvin 2008.04.11	Marvin 2008.04.11										
					UNIT: mm	Tolerance							
					SCALE: NONE	X.	±0.50						
					SHEET: 01/01	REV.: B	X.X	±0.30					
							X.XX	±0.10					
							X°	±1°					

SIGN	DATE	DESCRIPTION	APPROVER
△			
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P.C.B. LAYOUT

- Material:
- Item ① Terminal(housing): Thermoplastic (UL94V-0)
  - Item ② Contact pin: Brass
- Electrical: UL / VDE / TUV
- Voltage rating: 300V / 300V / 300V
  - Current rating: 15A / 12A / 15A
  - Withstanding Voltage: 1.6KV / 2.5KV / 2.5KV
  - Operating temperature: -40°C to +115°C ( -40°C to +130°C)
  - Soldering temperature: PA66-250°C±10°C/5 Sec (PA46-280°C/5 Sec)
  - Safety Approval:

OP xx 0 x x x xxxx G

- POLES ———— G: ROHS compliant (lead<4%)
- 02,,pole,,  
24 pole
- Dim L Length  
A 21.0mm  
C 12.7mm  
D 16.3mm  
G 17.9mm
- 0000: Standard  
Any special item by  
customer request.  
please contact sales  
department.
- 0 PA66  
1 PA46
- 0 Tin plated 200u"  
1 Gold plating 10 u"  
2 Gold flash

Poles	02	03	04	05	06	07	08	09	10	11	12	13
Dim C	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.0
Dim B	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.0
TOL	±0.10				±0.15				±0.20			
Poles	14	15	16	17	18	19	20	21	22	23	24	
Dim C	70.0	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0	120.0	
Dim B	65.0	70.0	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0	
TOL	±0.25				±0.30				±0.40			

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TITLE	OP 5.0 Series $\phi 1.1$			DWG NO.	80P0031		
PART NO.	OPxx0xxxxxxxG			CUST NO.			
APPROVED	CHECKED	DESIGNED	DRAWN				
		Jacke 2009.04.27	Jacke 2009.04.27				
				UNIT: mm	X. ±0.50		
				SCALE: NONE	X.X ±0.30		
				SHEET: 01/01	X.XX ±0.10		
				REV.: B1	X° ±1°		

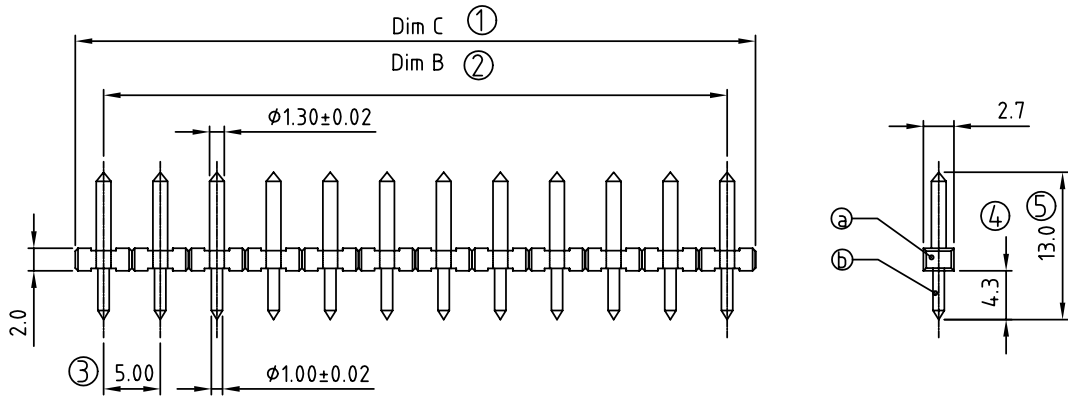
SIGN	DATE	DESCRIPTION	APPROVER
△	2/01'07	Soldering temperature changed from 245° to 250°	Tony
△	2009.09.02	The part No is changed	Jacke
△	2009.09.02	Add the tolerance table	Jacke

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- Material:
- Item ③ Terminal(housing): Thermoplastic (UL94V-0)
  - Item ⑤ Contact pin: Brass, Tin plated

- Electrical:
- UL /VDE/ TUV
  - Voltage rating: 300V /300V / 300V
  - Current rating: 15A / 12A / 15A
  - Withstanding Voltage: 1.6KV / 2.5KV / 2.5KV
  - Operating temperature: -40°C to +115°C ( -40°C to +130°C)
  - △ ● Soldering temperature: PA66-250°C±10°C/5 Sec (PA46-280°C/5 Sec)
  - Safety Approval:
  - Part No.:



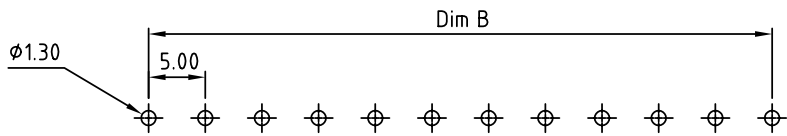
**OP xx 0 1 0 x xxxx G**

G: Pb<4000ppm

POLES  
02 pole  
" " " " " "  
24 pole

0000: "@" Logo (Standard)  
000A: "ANYTEK" Mark  
Any special item by customer request.  
please contact sales department.

0 PA66  
1 PA46



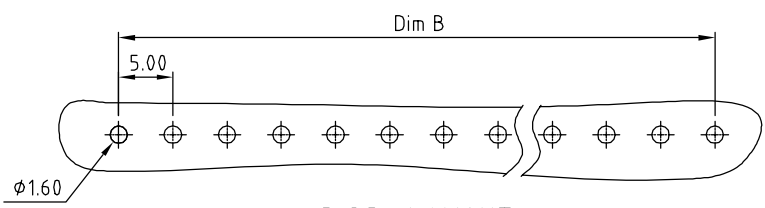
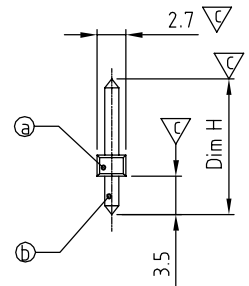
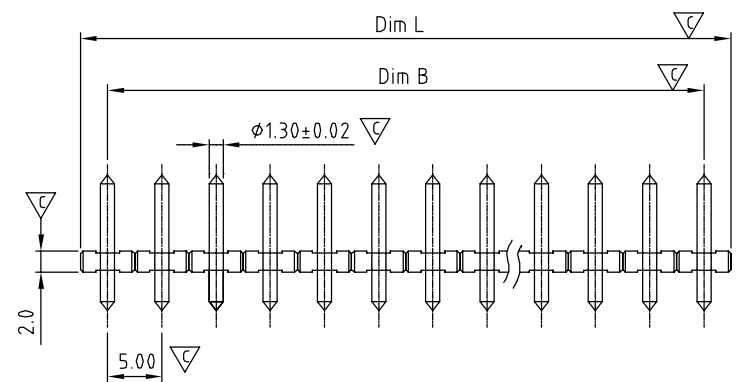
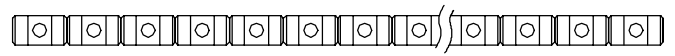
P.C.B. LAYOUT

Poles	02	03	04	05	06	07	08	09	10	11	12	13
Dim C	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00	65.0
Dim B	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.0
TOL	±0.10				±0.15				±0.20			
Poles	14	15	16	17	18	19	20	21	22	23	24	
Dim C	70.0	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0	120.0	
Dim B	65.0	70.0	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0	
TOL	±0.25				±0.30				±0.40			

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TITLE	OP 5.0 Series (Upφ1.3,Downφ1.0)						
PART NO.	OPxx010xxxxxG△			DWG NO.	80P0003		
APPROVED	CHECKED	DESIGNED	DRAWN	CUST NO.	Tolerance		
		Jacke 2009.09.02	Jacke 2009.09.02		UNIT: mm	X.	±0.50
					SCALE: NONE	X.X	±0.30
						X.XX	±0.10
						X°	±1°
SHEET: 01/01				REV.: D			

SIGN	DATE	DESCRIPTION	APPROVER
△	02/07'06	Part No. is changed.	Tony
△	06/23'06	UL current rating is changed from 10A to 15A	Marvin
△	06/23'06	CSA Voltage rating is changed from 250V to 300V	Marvin
△	06/23'06	Added TUV logo	Marvin
△	1/31'07	Soldering temperature changed from 245° to 250°	Tony
△	2010.03.16	The part No is changed	Jacke
△	09/24`12	Soldering temperature changed from 250° to 260°	Chen Bo
△	09/24`12	Part No. is changed.	Chen Bo

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P.C.B. LAYOUT

N = Number of poles  
 Dim L = N x 5.0  
 Dim B = (N-1) x 5.0

	Dim L	Dim B
2-5p	±0.10	±0.10
6-9p	±0.15	±0.15
10-13p	±0.20	±0.20
14-17p	±0.25	±0.25
18-21p	±0.30	±0.30
22-24p	±0.40	±0.40

Material:

- Item ③ Terminal(housing): Thermoplastic (UL94V-0)
- Item ⑥ Contact pin: Brass

- Electrical: UL / VDE / TUV
- Voltage rating: 300V / 300V / 300V
  - Current rating: 15A / 12A / 15A
  - Withstanding Voltage: 1.6KV / 2.5KV / 2.5KV
  - Operating temperature: -40°C to +115°C ( -40°C to +130°C)
  - Soldering temperature: PA66, 260°C ± 5°C / 5 Sec (PA46, 280°C / 10 Sec)
  - Safety Approval: PA66, 260°C ± 5°C / 5 Sec (PA46, 280°C / 10 Sec)
  - Critical dimension:

OP xx 0 x x x xxxx G

POLES ——— G RoHS compliant (lead<4%)  
 In copper Alloy  
 0000: Standard  
 Any special item by customer request.  
 please contact sales department.  
 0 PA 66  
 1 PA46  
 0 Tin plated 200u"  
 1 Gold plating 10u"  
 2 Gold flash

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TITLE		OP 5.0 Series		DWG NO.		80P0001	
PART NO.		OPxx0xxxxxxG		CUST NO.			
APPROVED	CHECKED	DESIGNED	DRAWN	Tolerance			
		Chen Bo	Chen Bo	UNIT: mm SCALE: NONE SHEET: 01/01 REV.: G		X. ±0.50	
		09/24`12	09/24`12			X.X ±0.30	
						X.XX ±0.10	
						X° ±1°	