

HSF

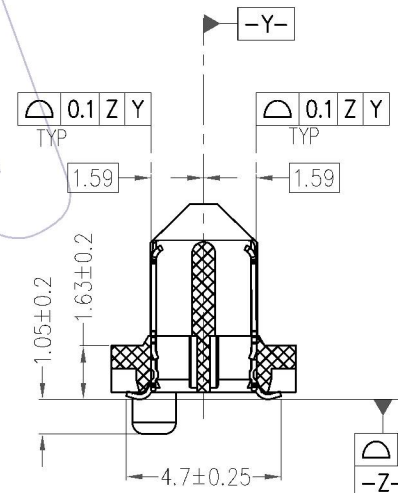
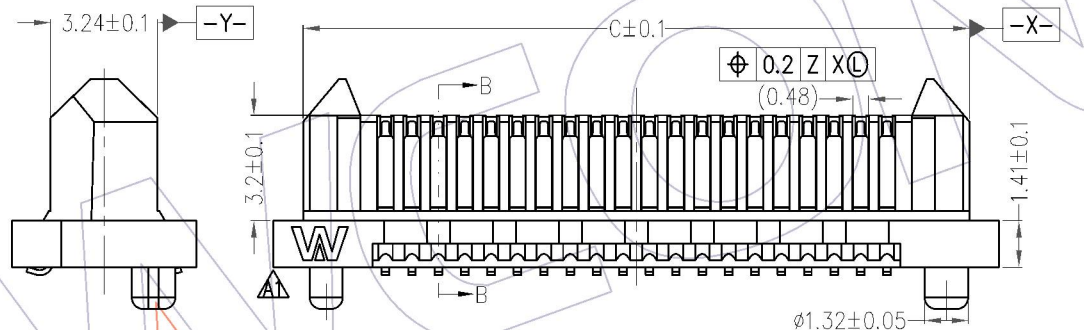
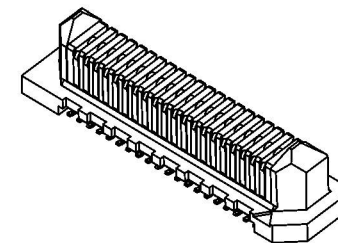
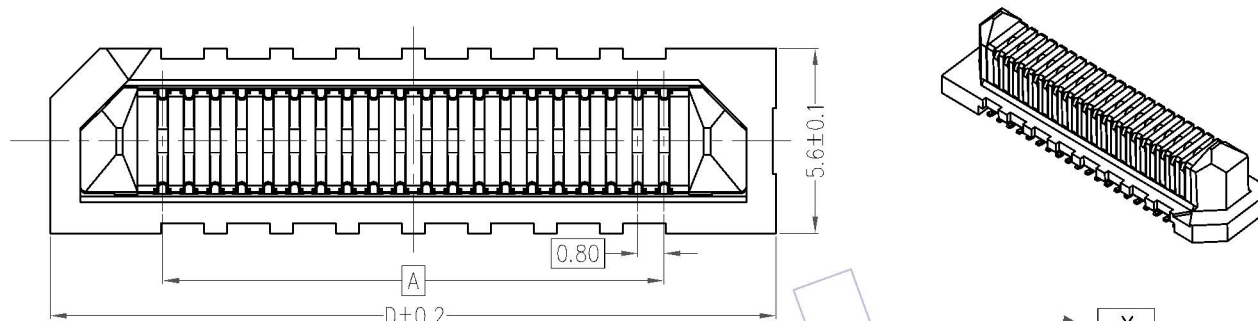
NOTES:

- 1.Current Rating:2.1A Max/Per Pin(2 pins powered in the same row) ;
- 2.Voltage Rating:100V AC ;
- 3.Contact Resistance: 30mΩ Max;
- 4.Withstand Voltage: 900V AC;
- 5.Insulation Resistance: 20000MΩ Min;
- 6.Operating Temperature: -55℃ to +125℃;
- 7.Insulator Material: LCP,G.F,UL94V-0,BK;
- 8.Contact Material:Copper Alloy;
- 9.Contact plating:
xxμ" Gold on contact area (See ordering information),
50μ" Nickel underplating overall;
- 10.Recommended Process:
Reflow Soldering,Peak temperature:260±5℃

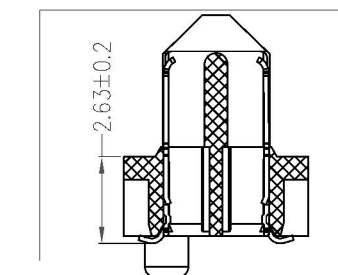
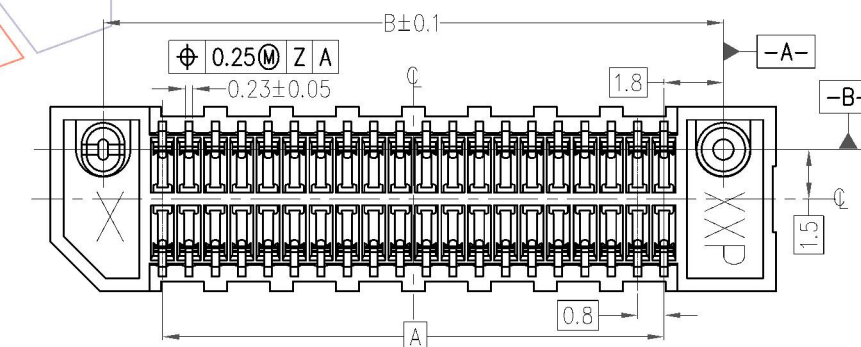
Ordering Information

37505 - P M XXX - XXX XX R 0X

P=Plug
M=180° SMT
No.of Pins:
010=10P; 020=20P;
022=22P; 026=26P;
040=40P; 046=46P;
050=50P; 060=60P;
070=70P; 080=80P;
098=98P; 100=100P;
120=120P; 140=140P;
150=150P;
200=200P(SEE TABLE 1);
High Type:
020=2.0mm; 030=3.0mm;
050=5.0mm; 080=8.0mm;
090=9.0mm;
Contact plating:
W3=10u"Gold/Matte Sn
W5=30u"Gold/Matte Sn
Packing:R=Tape & Reel
01:With Plastic Cap
02:With Polyimide Film Pad



37505-PMXXX-020WXROX



37505-PMXXX-030WXROX

REV	DATE	MODIFICATION DESCRIPTION	CHANGE	OPERATION		DRAW	DATE	SCALE	FIT	PART NO.	TITLE:	Customer NO.
				X.X	±0.40							
A1	2023.08.04	Change the position of the LOGO	houfu peng	X.XX	±0.25	CHECK	2022.08.04	UNIT	mm	37505-PMXXX-XXXWXROX	0.8mm B TO B High Speed Connector Plug 180° SMT TYPE	
A0	2022.09.05	NEW	houfu peng	X.XXX	±0.15		DATE	SIZE	A4			
				Angle	± 3°	APPROVE	DATE	SHEET	1/4			
				DIM	TOL			PROJ.				

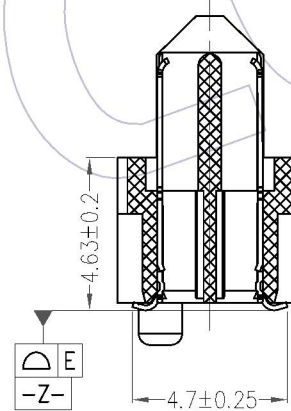
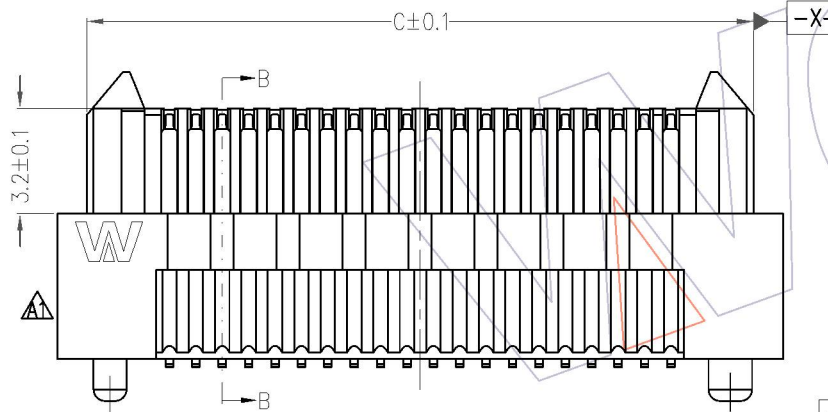
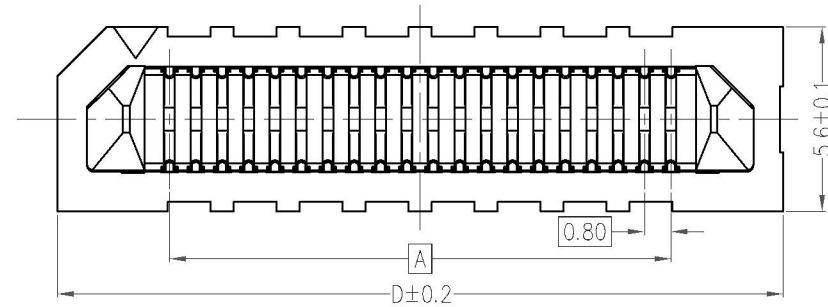
WCON
Http: www.wcon.com

WCON-Dongguan Tel: +86 769 85358920 Fax: +86 769 85358915 E-mail: sales@wcon.com
WCON-Kunshan Tel: +86 512 57468408 Fax: +86 512 57468468 E-mail: sales@wcon.com

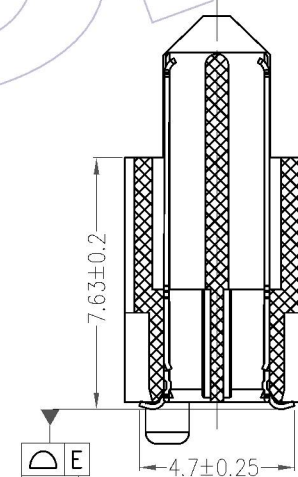
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TABLE 1

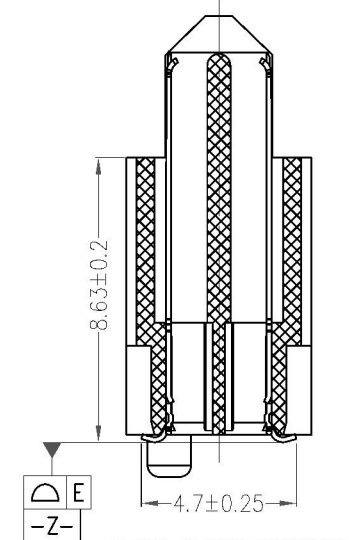
PART NO.	PIN	A	B	C	D	E	Z
37505-PM010-XXXWXR01	10	3.2	6.8	8.20	10.0		
37505-PM020-XXXWXR01	20	7.2	10.8	12.20	14.0	0.10	4.4
37505-PM022-XXXWXR01	22	8.0	11.6	13.00	14.8		
37505-PM026-XXXWXR01	26	9.6	13.2	14.60	16.4		
37505-PM040-XXXWXR01	40	15.2	18.8	20.20	22.0	0.10	
37505-PM046-XXXWXR01	46	17.6	21.2	22.60	24.4		
37505-PM050-XXXWXR01	50	19.2	22.8	24.20	26.0		
37505-PM060-XXXWXR01	60	23.2	26.8	28.20	30.0		
37505-PM070-XXXWXR01	70	27.2	30.8	32.20	34.0		
37505-PM080-XXXWXR01	80	31.2	34.8	36.20	38.0		
37505-PM098-XXXWXR01	98	38.4	42.0	43.40	45.2	0.12	
37505-PM100-XXXWXR01	100	39.2	42.8	44.20	46.0		
37505-PM120-XXXWXR01	120	47.2	50.8	52.20	54.0		
37505-PM140-XXXWXR01	140	55.2	58.8	60.20	62.0		
37505-PM150-XXXWXR01	150	59.2	62.8	64.20	66.0	0.15	
37505-PM200-090WXR01	200	79.2	82.8	84.20	86.0		



37505-PMXXX-050WXR0X



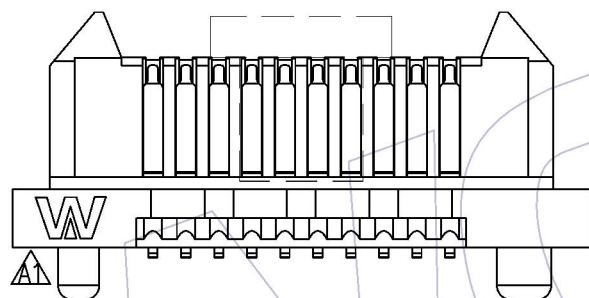
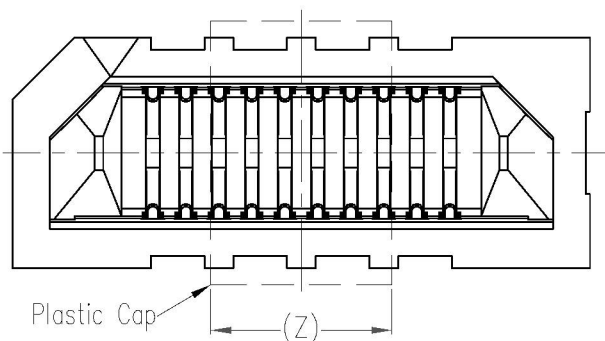
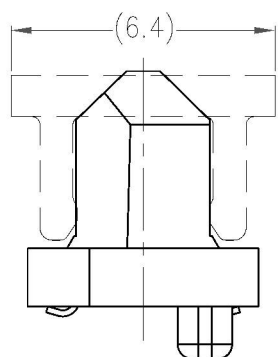
37505-PMXXX-080WXR0X



37505-PMXXX-090WXR0X

				OPERATION		DRAW houfu peng	DATE 2023.08.04	SCALE	FIT	PART NO. 37505-PMXXX-XXXWXROX	WCON Http: www.wcon.com WCON-Dongguan Tel: +86 769 85358920 Fax: +86 769 85358915 E-mail: sales@wcon.com WCON-Kunshan Tel: +86 512 57468408 Fax: +86 512 57468468 E-mail: salesk@wcon.com
				X.X	±0.40			UNIT	mm		
A1	2023.08.04	Change the position of the LOGO	houfu peng	X.XX	±0.25	CHECK	DATE	SIZE	A4		
A0	2022.09.05	NEW	houfu peng	X.XXX	±0.15			APPROVE	DATE	SHEET	
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle	± 3°	PROJ.					
				DIM	TOL						
1	2	3	4	5		6	7	8	9	10	

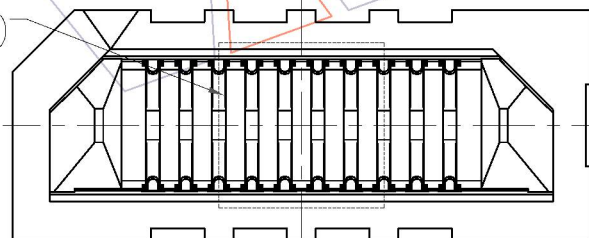
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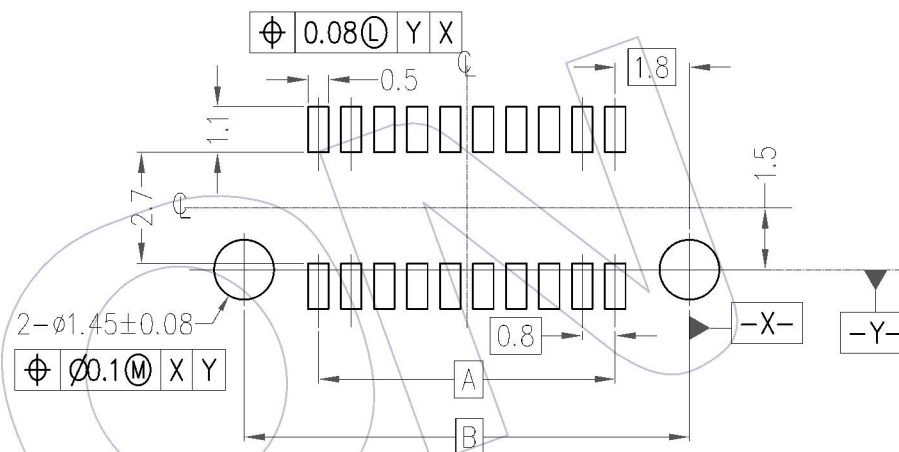
37505-PMXXX-XXXWXR01

37505-PMXXX-XXXWXR02

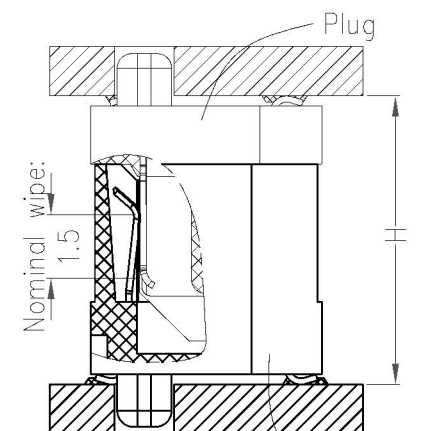
Polyimide Film
4.0X4.0(T=0.15)



Recommended P.C.B Layout(Component Side)Top View
Default Tplerances $\pm 0.05\text{mm}$ P.C.B Thickness=2.0mm



ASS'Y HIGH (H)	SocketE(Hieght style)			
	5.0	7.0	9.0	10.0
Plug (Hieght style)	2.0	7.0	9.0	11.0
	3.0	8.0	10.0	12.0
	5.0	10.0	12.0	14.0
	8.0	13.0	15.0	17.0
	9.0	14.0	16.0	18.0



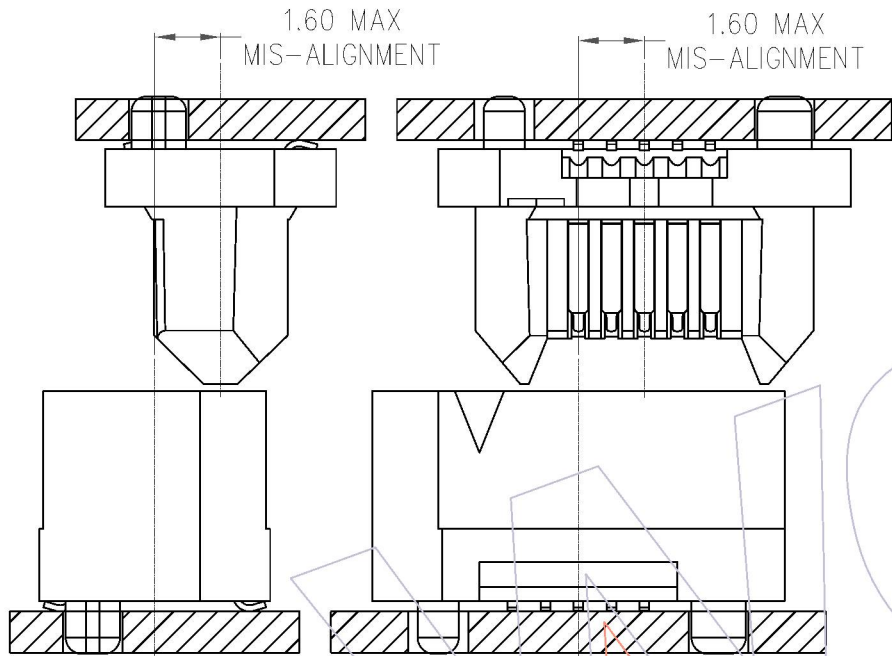
ENGAGEMENT FIGURE

REV	DATE	MODIFICATION DESCRIPTION	CHANGE	OPERATION		DRAW houfu peng	DATE 2023.08.04	SCALE UNIT	FIT mm	PART NO. 37505-PMXXX-XXXWXR0X	TITLE: 0.8mm B TO B High Speed Connector Plug 180° SMT TYPE	Customer NO.
				x.x	±0.40							
A1	2023.08.04	Change the position of the LOGO	houfu peng	x.xx	±0.25	CHECK	DATE	SIZE	A4	WCON	Http: www.wcon.com	WCON-Dongguan Tel: +86 769 85358920 Fax: +86 769 85358915 E-mail: sales@wcon.com
A0	2022.09.05	NEW	houfu peng	x.xxx	±0.15	APPROVE	DATE	SHEET	3/4			WCON-Kunshan Tel: +86 512 57468408 Fax: +86 512 57468468 E-mail: sales@wcon.com
				Angle DIM	± 3° TOL			PROJ.	⌀			

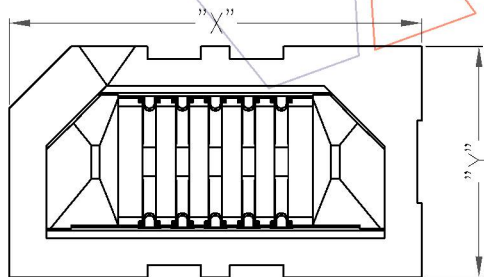
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Mating Alignment Requirements

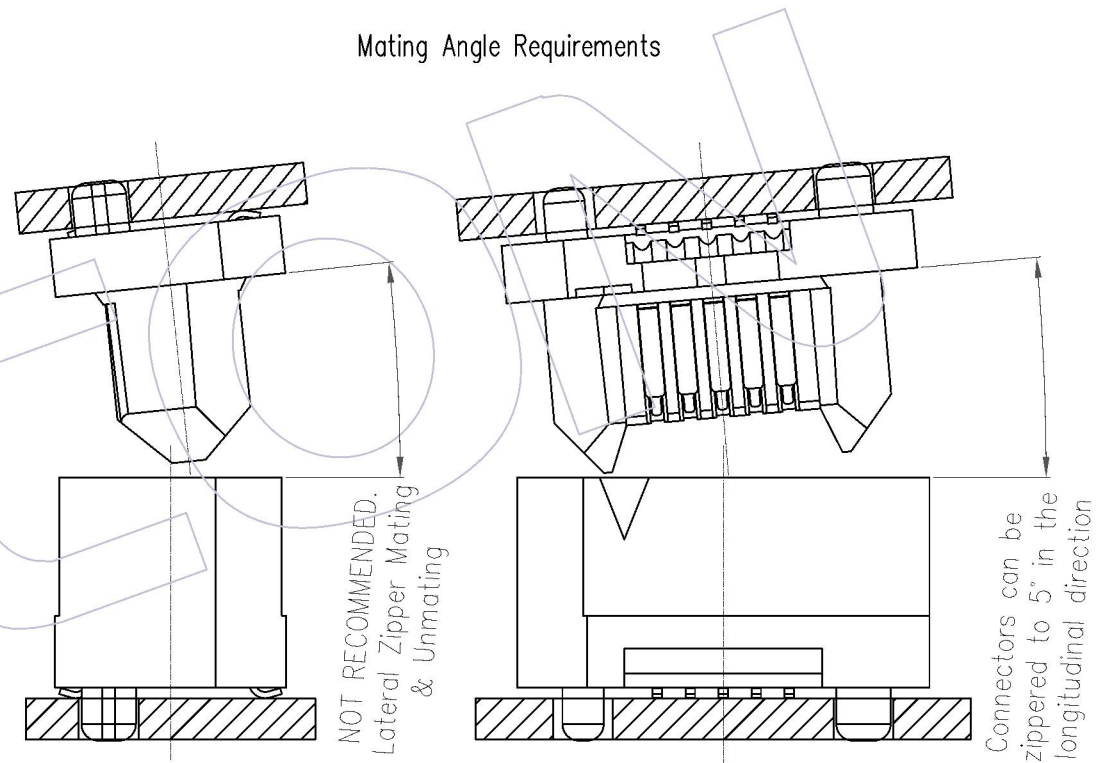
Where at least one half of the interface is free to float.



The parts can be rigidly misaligned by no more than 0.04mm in the X-and 0.05mm in the Y-direction to ensure a good mate.



Mating Angle Requirements



				OPERATION		DRAW houfu peng	DATE 2023.08.04	SCALE	FIT	PART NO. 37505-PMXXX-XXXWXROX	WCON Http: www.wcon.com
				X.X	±0.40			UNIT	mm		
A1	2023.08.04	Change the position of the LOGO	houfu peng	X.XX	±0.25	CHECK	DATE	SIZE	A4	TITLE: 0.8mm B TO B High Speed Connector Plug 180° SMT TYPE	
A0	2022.09.05	NEW	houfu peng	X.XXX	±0.15	APPROVE	DATE	SHEET	4/4		
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle	± 3°			PROJ.		Customer NO.	
				DIM	TOL						WCON-Dongguan Tel: +86 769 85358920 Fax: +86 769 85358915 E-mail: sales@wcon.com WCON-Kunshan Tel: +86 512 57468408 Fax: +86 512 57468468 E-mail: sales@wcon.com