

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°C to +125°C;
- 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;
 Tail Area: 100u" Matte Tin ;
- 10.Recommended Process:
Reflow Soldering,Peak temperature:260±5°C

Ordering Information

37505 - S M XXX - 050 XX R 01

S=Socket -

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:

 $0.50 = 5.0 \text{ mm};$

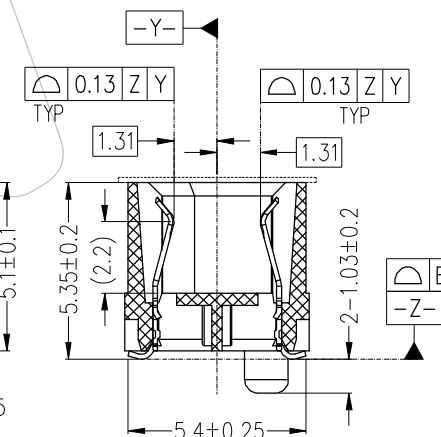
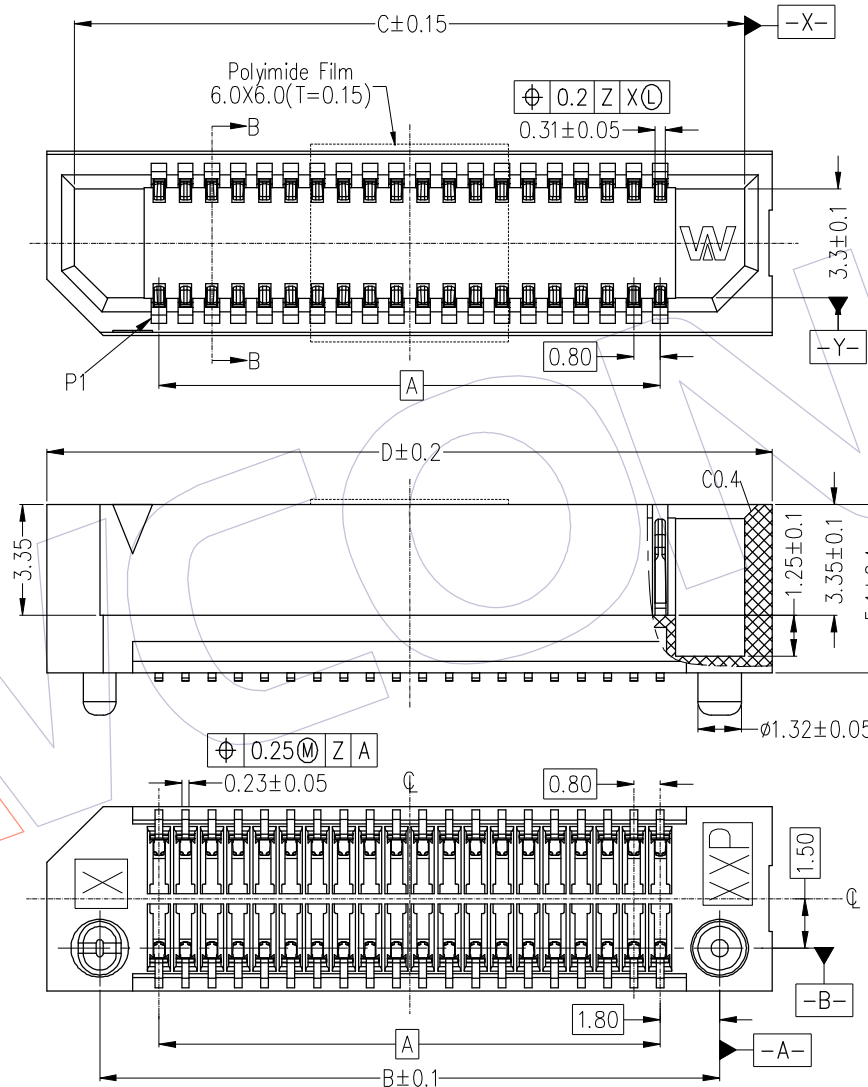
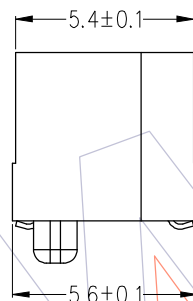
Contact plating:

W3=10u" Gold/Matte Sn

W5=30u" Gold/Matte Sn

Packing: R=Tape & Reel

WCON internal code



				OPERATION		DRAW houfu peng	DATE 2024.07.05	SCALE	FIT	PART NO. 37505-SMXXX-050WXR01
				X.X	±0.40			CHECK	DATE	
				X.XX	±0.25	APPROVE	DATE			SIZE
A0	2024.07.05	NEW	houfu peng	X.XXX	±0.15			SHEET	1/3	Customer NO.
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle DIM	± 3° TOL					

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Http: www.wcon.com

WCON-Dongguan

Tel: +86 769 85358920

Fax: +86 769 85358915

E-mail: sales@wcon.com

WCON-Kunshan

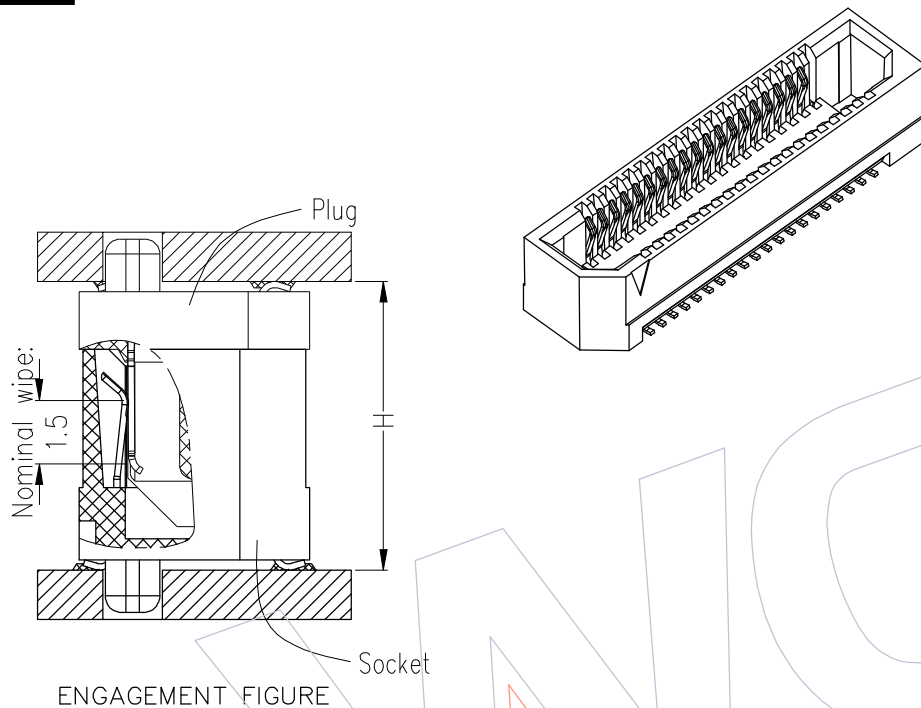
Tel: +86 512 57468408

For:	50	512	57103100
For:	+86	512	57468468

E-mail: salesks@wcon.com

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



ASS'Y HIGH (H)		Socket(Hieght style)			
		5.0	7.0	9.0	10.0
Plug (Hieght style)	2.0	7.0	9.0	11.0	12.0
	3.0	8.0	10.0	12.0	13.0
	5.0	10.0	12.0	14.0	15.0
	8.0	13.0	15.0	17.0	18.0
	9.0	14.0	16.0	18.0	19.0

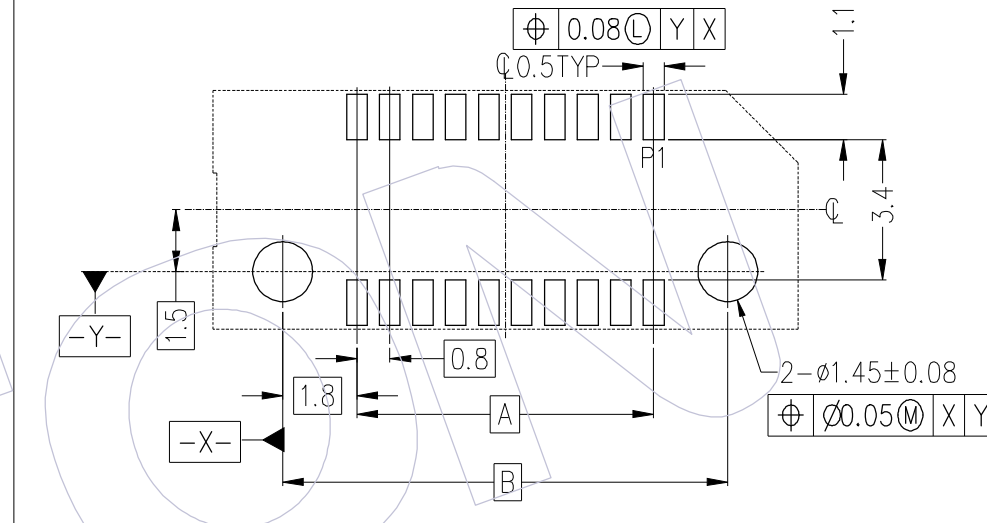


TABLE 1								
PART NO.	PIN	A	B	C	D	J	L	E
37505-SM010-050WXR01	10	3.2	6.8	8.32	10.0	11.5	9.80	0.10
37505-SM020-050WXR01	20	7.2	10.8	12.32	14.0	15.5	13.8	
37505-SM022-050WXR01	22	8.0	11.6	13.12	14.8	16.3	14.6	
37505-SM026-050WXR01	26	9.6	13.2	14.72	16.4	17.9	16.2	
37505-SM040-050WXR01	40	15.2	18.8	20.32	22.0	23.5	21.8	
37505-SM046-050WXR01	46	17.6	21.2	22.72	24.4	25.9	24.2	0.12
37505-SM050-050WXR01	50	19.2	22.8	24.32	26.0	27.5	25.8	
37505-SM060-050WXR01	60	23.2	26.8	28.32	30.0	31.5	29.8	
37505-SM070-050WXR01	70	27.2	30.8	32.32	34.0	35.5	33.8	
37505-SM080-050WXR01	80	31.2	34.8	36.32	38.0	39.5	37.8	
37505-SM098-050WXR01	98	38.4	42.0	43.52	45.2	46.7	45.0	0.15
37505-SM100-050WXR01	100	39.2	42.8	44.32	46.0	47.5	45.8	
37505-SM120-050WXR01	120	47.2	50.8	52.32	54.0	55.5	53.8	
37505-SM140-050WXR01	140	55.2	58.8	60.32	62.0	63.5	61.8	
37505-SM150-050WXR01	150	59.2	62.8	64.32	66.0	67.5	65.8	
37505-SM200-050WXR01	200	79.2	82.8	84.32	86.0	87.5	85.8	

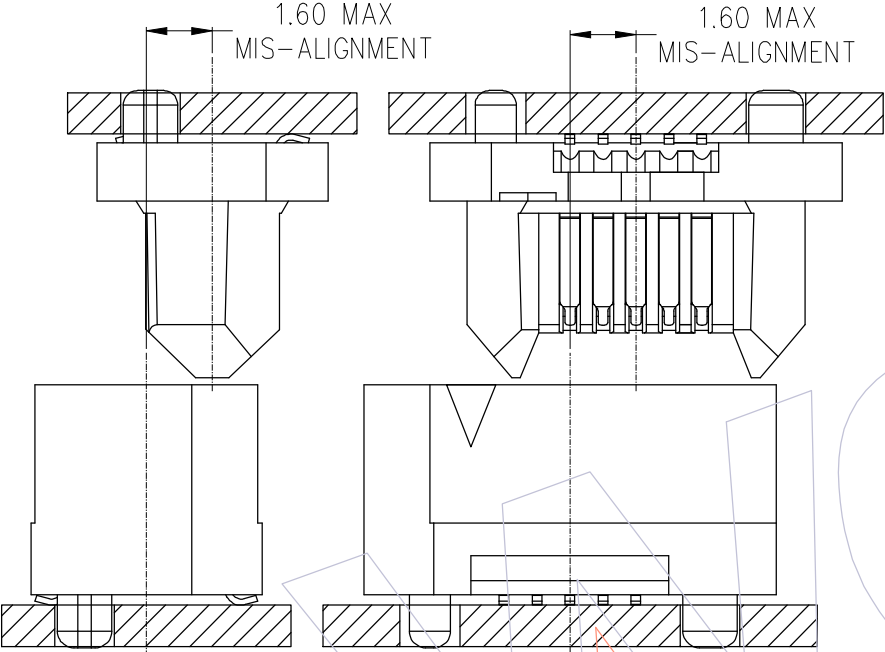
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	OPERATION		DRAW	DATE	SCALE	FIT	PART NO.	WCON	
				X.X	±0.40							
AO	2024.07.05	NEW	houfu peng	X.XX	±0.25	CHECK	DATE	UNIT	mm	37505-SMXXX-050WXR01	Http: www.wcon.com	
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	X.XXX	±0.15	APPROVE	DATE	SIZE	A4	TITLE: 0.8mm B TO B High Speed Connector Socket SMT TYPE H1=5.3 (S TYPE H5.0)	WCON-Dongguan Tel: +86 769 85358920 Fax: +86 769 85358915 E-mail: sales@wcon.com	
				Angle	± 3°			SHEET	2/3			
				DIM	TOL			PROJ.	⌀			

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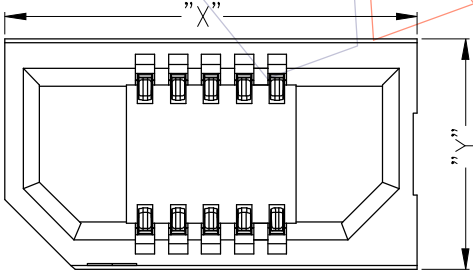
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Mating Alignment Requirements

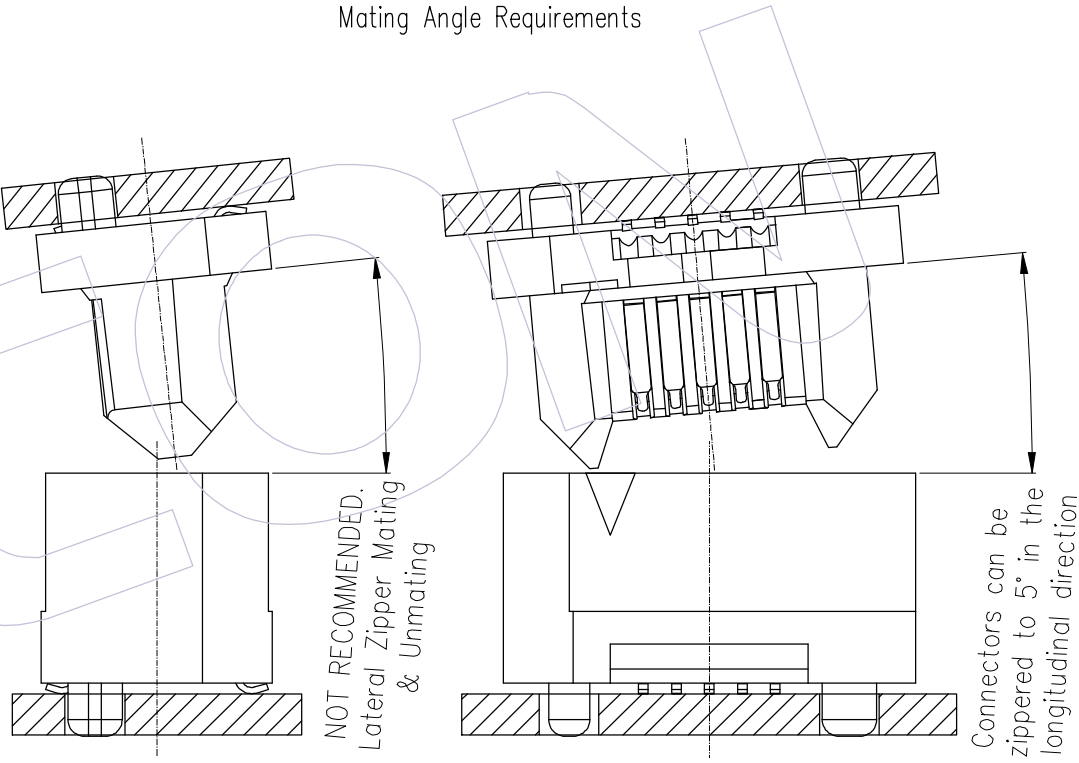
Where at least one half of the interface is free to float.



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 2024.07.05	SCALE	FIT	PART NO. 37505-SMXXX-050WXR01
				x.x	±0.40					
				x.xx	±0.25	CHECK	DATE	UNIT	mm	TITLE: 0.8mm B TO B High Speed Connector Socket SMT TYPE H1=5.3 (S TYPE H5.0)
				x.xxx	±0.15			SIZE	A4	
A0	2024.07.05	NEW	houfu peng	Angle	± 3°	APPROVE	DATE	SHEET	3/3	Customer NO.
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	DIM	TOL			PROJ.		

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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