

HSF

NOTES:

- Current Rating: 2.1A Max/Per Pin(2 pins powered in the same row) ;
- Voltage Rating: 100V AC ;
- Contact Resistance: 30mΩ Max;
- Withstand Voltage: 900V AC;
- Insulation Resistance: 2000MΩ Min;
- Operating Temperature: -55°C to +125°C;
- Insulator Material: LCP,G.F,UL94V-0,BK;
- Contact Material: Copper Alloy;
- Contact plating:
xxμ" Gold on contact area (See ordering information),
50μ" Nickel underplating overall;
Tail Area: 100u" Matte Tin ;
- Recommended Process:
Reflow Soldering,Peak temperature: 260±5°C

Ordering Information

37505 - P M XXX - 030 XX R X X

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;

High Type:
030=3.0mm;

Contact plating:
W3=10u" Gold/Matte Sn
W5=30u" Gold/Matte Sn
Packing: R=Tape & Reel
0=Without LOGO
1=With LOGO

1: With Plastic Cap
2: With Polyimide Film Pad

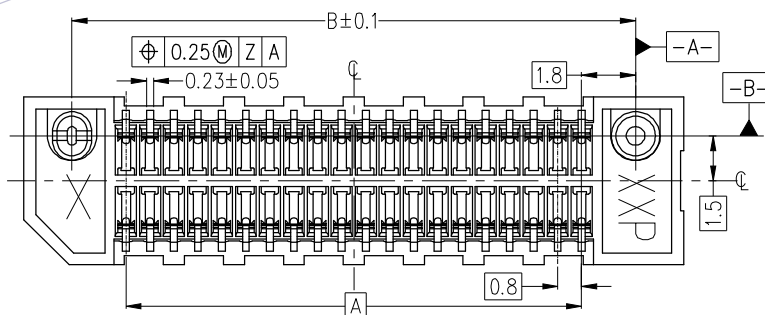
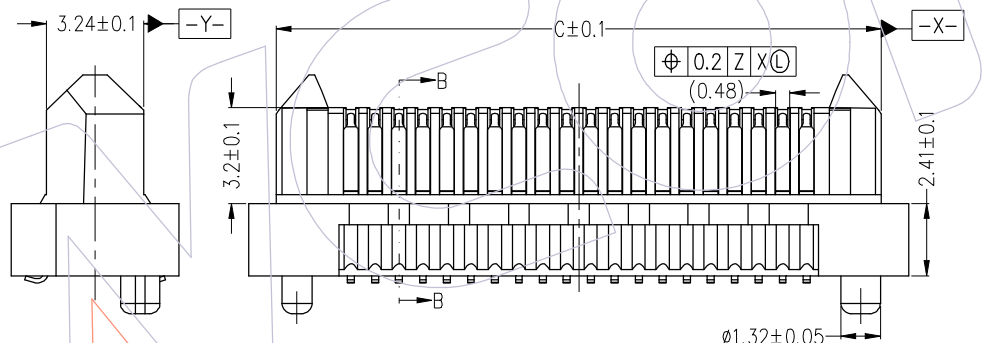
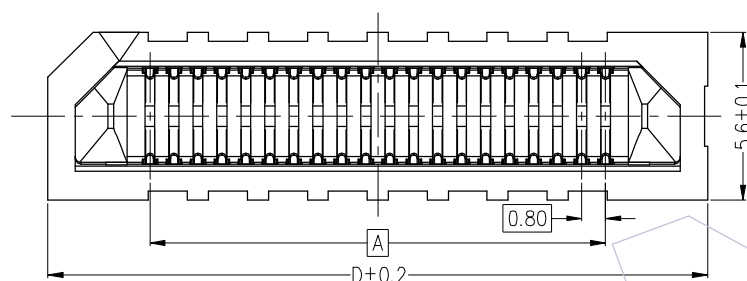
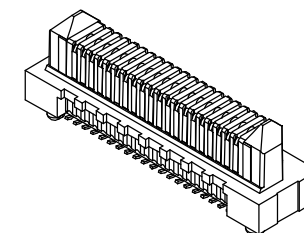
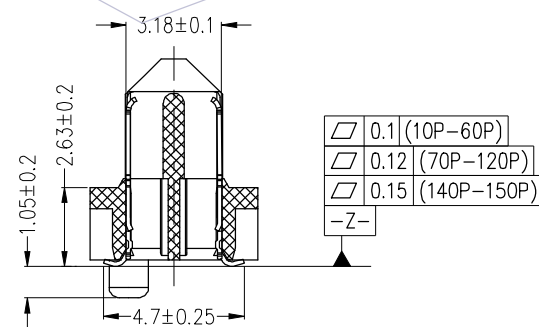
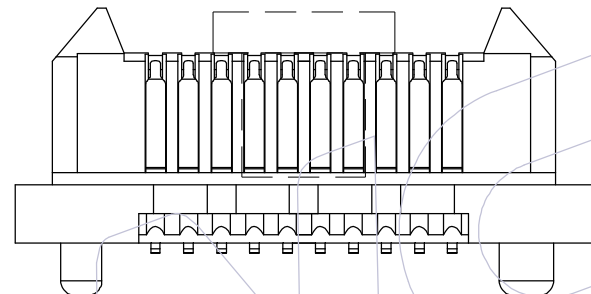
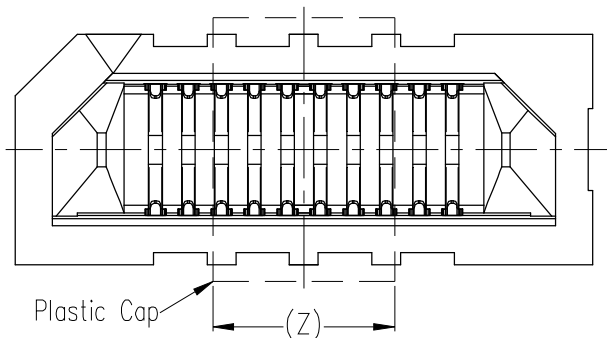
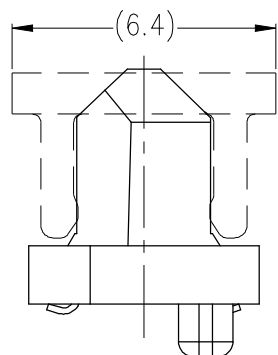


TABLE 1						
PART NO.	PIN	A	B	C	D	Z
37505-PM010-030WXRXX	10	3.2	6.8	8.20	10.0	4.4
37505-PM020-030WXRXX	20	7.2	10.8	12.20	14.0	
37505-PM022-030WXRXX	22	8.0	11.6	13.00	14.8	
37505-PM026-030WXRXX	26	9.6	13.2	14.60	16.4	
37505-PM040-030WXRXX	40	15.2	18.8	20.20	22.0	7.6
37505-PM046-030WXRXX	46	17.6	21.2	22.60	24.4	
37505-PM050-030WXRXX	50	19.2	22.8	24.20	26.0	
37505-PM060-030WXRXX	60	23.2	26.8	28.20	30.0	
37505-PM070-030WXRXX	70	27.2	30.8	32.20	34.0	
37505-PM080-030WXRXX	80	31.2	34.8	36.20	38.0	
37505-PM098-030WXRXX	98	38.4	42.0	43.40	45.2	
37505-PM100-030WXRXX	100	39.2	42.8	44.20	46.0	
37505-PM120-030WXRXX	120	47.2	50.8	52.20	54.0	
37505-PM140-030WXRXX	140	55.2	58.8	60.20	62.0	
37505-PM150-030WXRXX	150	59.2	62.8	64.20	66.0	



				OPERATION		DRAW houfu peng	DATE 2023.11.25	SCALE UNIT	FIT mm	PART NO. 37505-PMXXX-030WXRXX	WCON Http: www.wcon.com	
A1	2024.11.01	Correct errors	houfu peng	x.x	±0.40							
A0	2023.11.25	NEW	houfu peng	x.xx	±0.25	CHECK	DATE	SIZE	A4	TITLE: 0.8mm B TO B High Speed Connector Plug SMT TYPE H1=2.6 (S TYPE H3.0)	WCON-Dongguan Tel: +86 769 85358920	
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	x.xxx	±0.15	APPROVE	DATE	SHEET	1/3			
				Angle	± 3°			PROJ.	Φ	Customer NO.	WCON-Kunshan Tel: +86 512 57468408	
				DIM	TOL						Fax: +86 769 85358915 E-mail: sales@wcon.com	

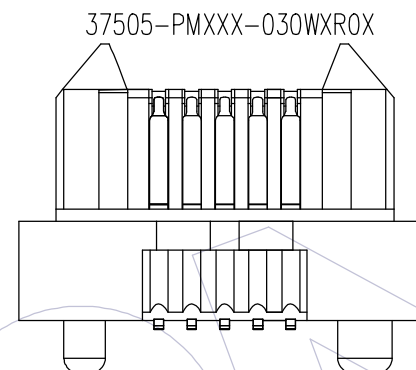
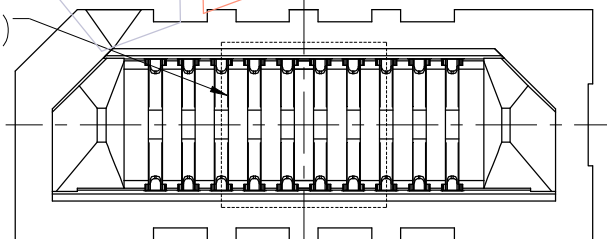
HSF



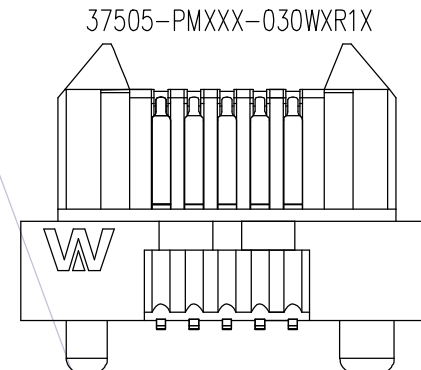
37505-PMXXX-030WXR1

37505-PMXXX-030WXR2

Polyimide Film
4.0X4.0(T=0.15)

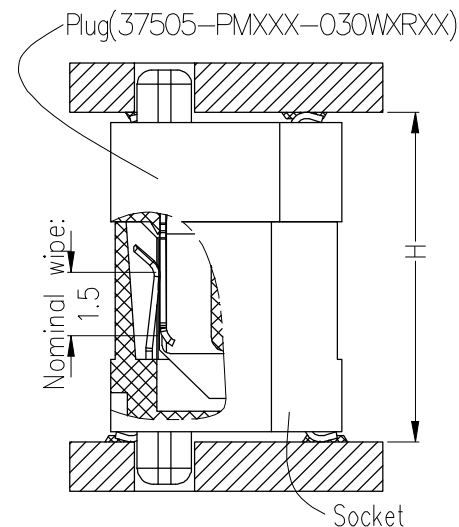


37505-PMXXX-030WXR0X



37505-PMXXX-030WXR1X

Socket (Hieght style)	Plug (Hieght style)	ASS'Y HIGH (H)
5.0	3.0	8.0
7.0		10.0
9.0		12.0
10.0		13.0



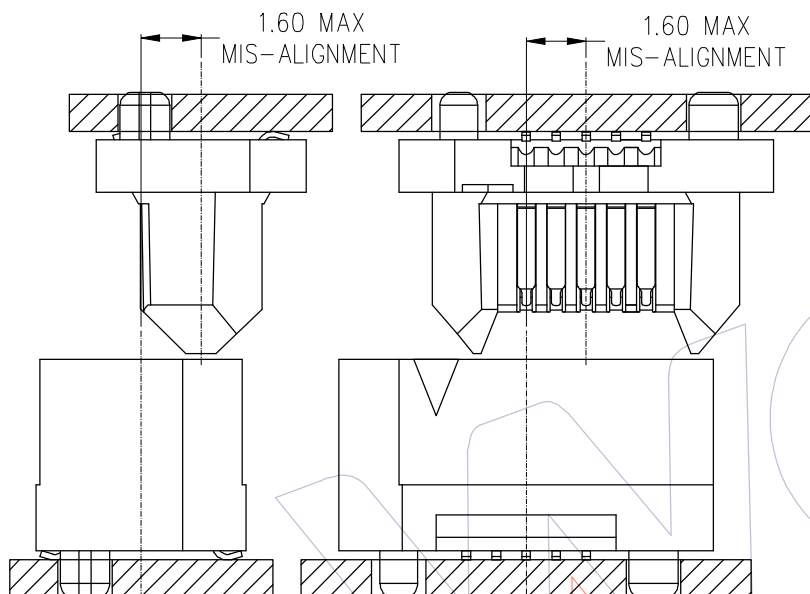
ENGAGEMENT FIGURE

				OPERATION		DRAW houfu peng	DATE 2023.11.25	SCALE	FIT	PART NO. 37505-PMXXX-030WXRXX	 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	
				x.x	±0.40			UNIT	mm			
A1	2024.11.01	Correct errors	houfu peng	x.xx	±0.25	CHECK	DATE	SIZE	A4	TITLE: 0.8mm B TO B High Speed Connector Plug SMT TYPE H1=2.6 (S TYPE H3.0)		
A0	2023.11.25	NEW	houfu peng	x.xxx	±0.15			SHEET	2/3			
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle DIM	± 3° TOL	APPROVE	DATE	SHEET	2/3	Customer NO.		
								PROJ.				

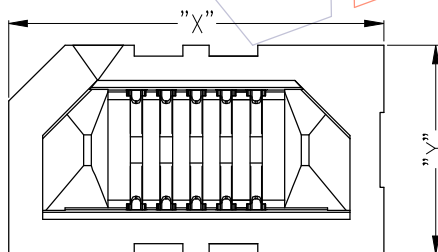
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Mating Alignment Requirements

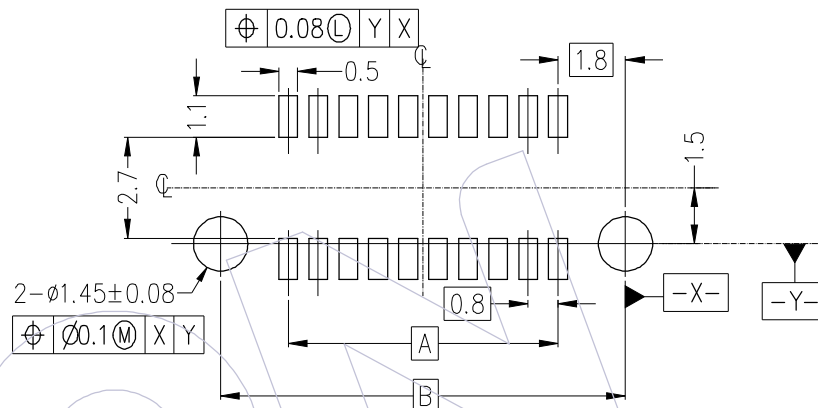
Where at least one half of the interface is free to float.



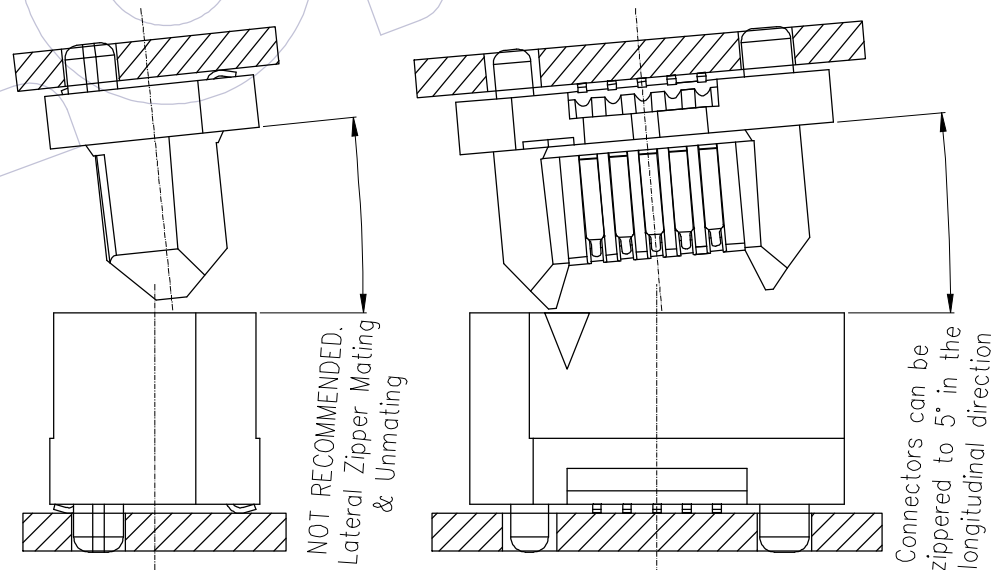
The parts can be rigidly misaligned by no more than 0.04mm in the X-and 0.05mm in the Y-direction to ensure a good mate.



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



Mating Angle Requirements



NOT RECOMMENDED.
Lateral Zipper Mating
& Unmating

Connectors can be
zippered to 5° in the
longitudinal direction

				OPERATION		DRAW	DATE	SCALE	FIT	PART NO.	WCON	
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	X.X	±0.40							
A1	2024.11.01	Correct errors	houfu peng	X.XX	±0.25	CHECK	2023.11.25	UNIT	mm	37505-PMXXX-030WXRXX	Http: www.wcon.com WCON-Dongguan Tel: +86 769 85358920 WCON-Kunshan Tel: +86 512 57468408 Fax: +86 769 85358915 E-mail: sales@wcon.com	
AO	2023.11.25	NEW	houfu peng	X.XXX	±0.15	APPROVE	DATE	SIZE	A4	TITLE: 0.8mm B TO B High Speed Connector Plug SMT TYPE H1=2.6 (S TYPE H3.0)		
				Angle	± 3°			SHEET	3/3	Customer NO.		
				DIM	TOL			PROJ.				