

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-O,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 - XXX 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:

050=5.0mm; 070=7.0mm;
090=9.0mm; 100=10.0mm;

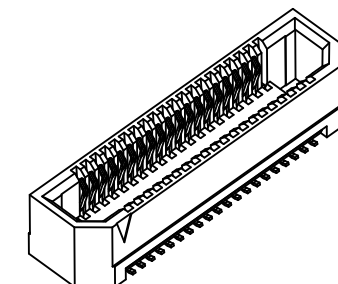
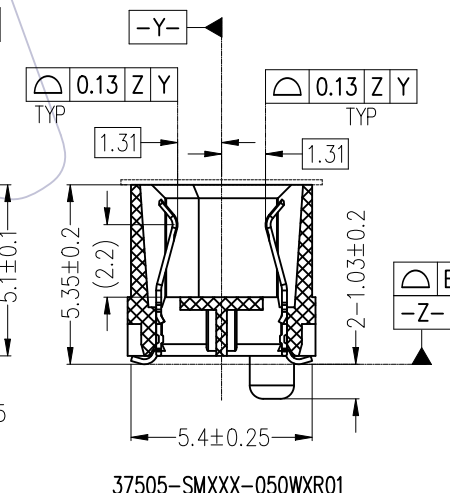
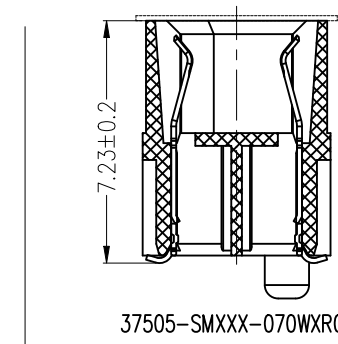
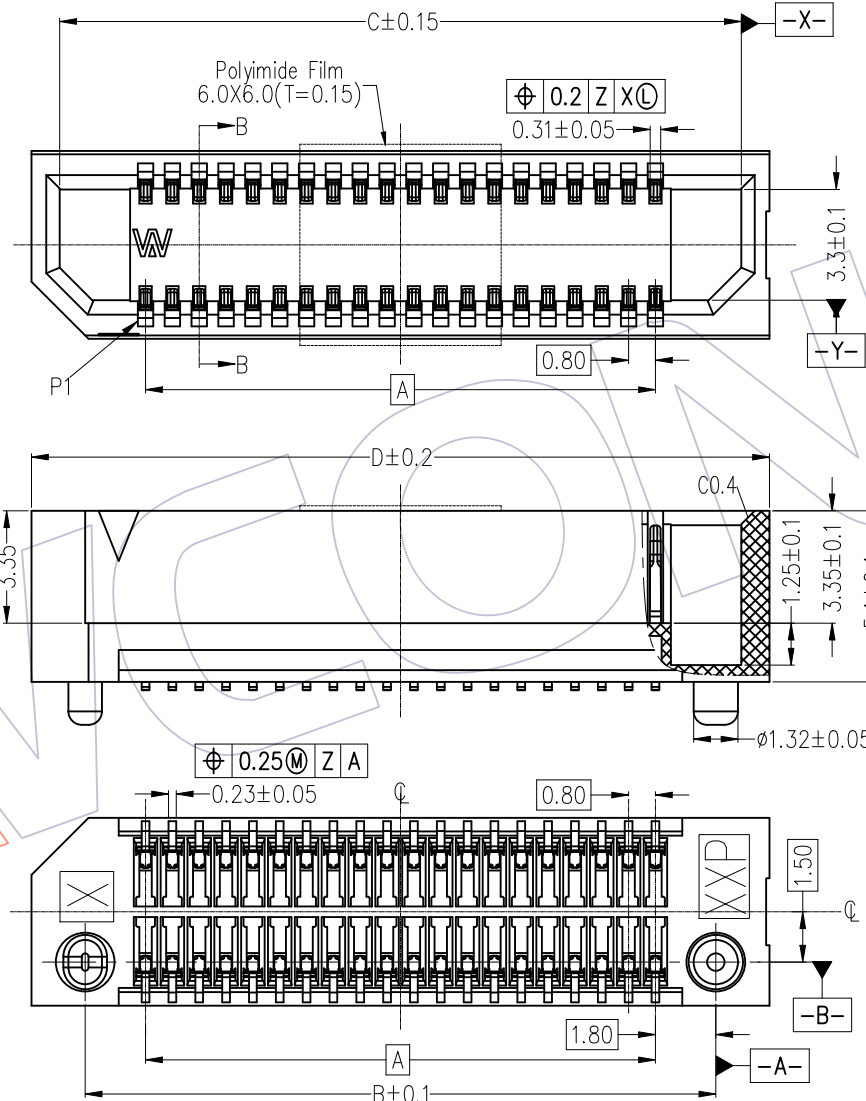
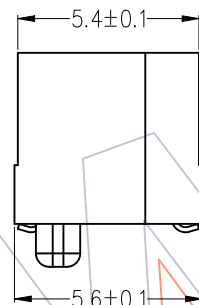
Contact plating:

W3=10u" Gold/Matte Sn

W5=30u" Gold/Matte Sn

Packing: R=Tape & Reel

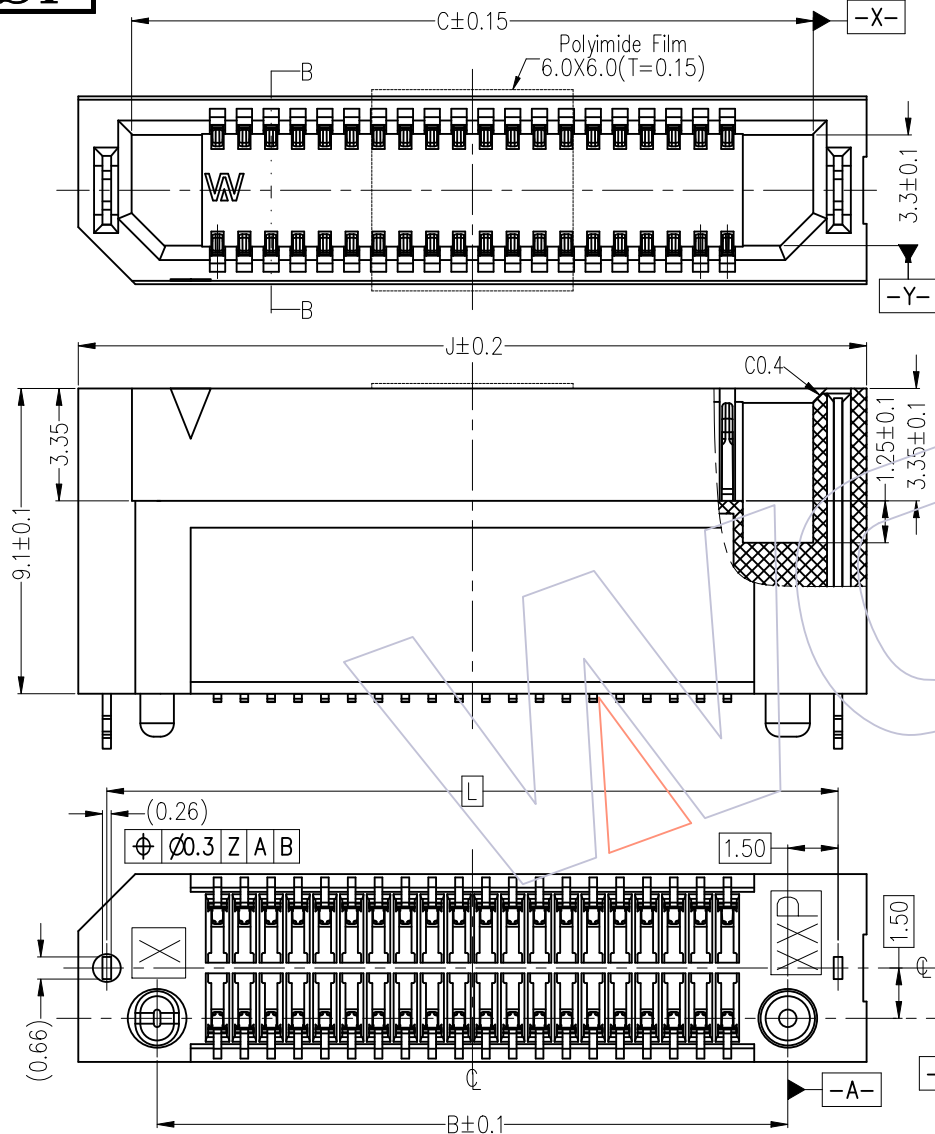
WCON internal code



				OPERATION		DRAW houfu peng	DATE 2022.09.05	SCALE	FIT	PART NO. 37505-SMXXX-XXXWXR01	 Http: www.wcon.com
				X.X	±0.40			UNIT	mm		
A1	2022.12.15	ADD COMMENTS	houfu peng	X.XX	±0.25	CHECK	DATE	SIZE	A4	SMT TYPE	
A0	2022.09.05	NEW	houfu peng	X.XXX	±0.15			SHEET	1/4	Customer NO.	
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle	± 3°	APPROVE	DATE	PROJ.			
				DIM	TOL						

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

HSF



NOT TOOLED → 37505-SMXXX-100WXR01

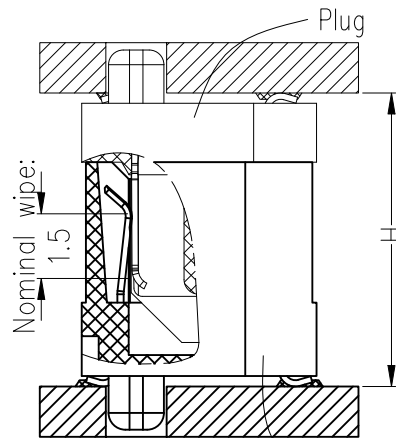
TABLE 1

PART NO.	PIN	A	B	C	D	J	L	E
37505-SM010-XXXWXR01	10	3.2	6.8	8.32	10.0	11.5	9.80	0.10
37505-SM020-XXXWXR01	20	7.2	10.8	12.32	14.0	15.5	13.8	
37505-SM022-XXXWXR01	22	8.0	11.6	13.12	14.8	16.3	14.6	
37505-SM026-XXXWXR01	26	9.6	13.2	14.72	16.4	17.9	16.2	
37505-SM040-XXXWXR01	40	15.2	18.8	20.32	22.0	23.5	21.8	
37505-SM046-XXXWXR01	46	17.6	21.2	22.72	24.4	25.9	24.2	
37505-SM050-XXXWXR01	50	19.2	22.8	24.32	26.0	27.5	25.8	0.12
37505-SM060-XXXWXR01	60	23.2	26.8	28.32	30.0	31.5	29.8	
37505-SM070-XXXWXR01	70	27.2	30.8	32.32	34.0	35.5	33.8	
37505-SM080-XXXWXR01	80	31.2	34.8	36.32	38.0	39.5	37.8	
37505-SM098-XXXWXR01	98	38.4	42.0	43.52	45.2	46.7	45.0	
37505-SM100-XXXWXR01	100	39.2	42.8	44.32	46.0	47.5	45.8	0.15
37505-SM120-XXXWXR01	120	47.2	50.8	52.32	54.0	55.5	53.8	
37505-SM140-XXXWXR01	140	55.2	58.8	60.32	62.0	63.5	61.8	
37505-SM150-XXXWXR01	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	

				OPERATION		DRAW houfu peng	DATE	SCALE	FIT	PART NO. 37505-SMXXX-XXXWXR01	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: salesks@wcon.com	
				X.X	±0.40		2022.09.05	UNIT	mm			
A1	2022.12.15	ADD COMMENTS	houfu peng	X.XX	±0.25	CHECK	DATE	SIZE	A4	TITLE: 0.8mm B TO B High Speed Connector Socket 180° SMT TYPE		
A0	2022.09.05	NEW	houfu peng	X.XXX	±0.15							
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle	± 3°	APPROVE	DATE	SHEET	2/4	Customer NO.		
				DIM	TOL			PROJ.				

HSF

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

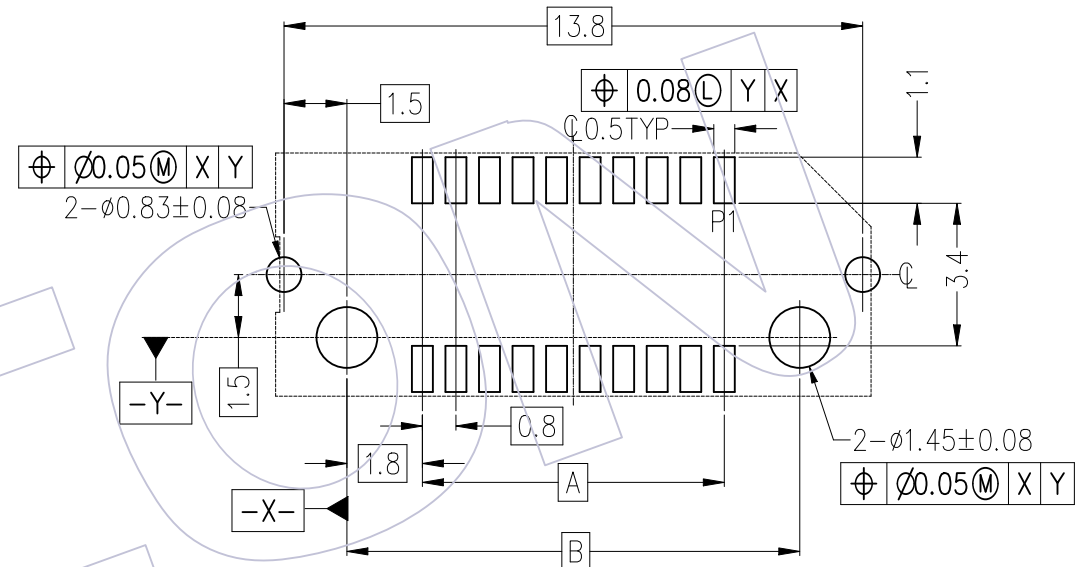


ENGAGEMENT FIGURE

- Socket

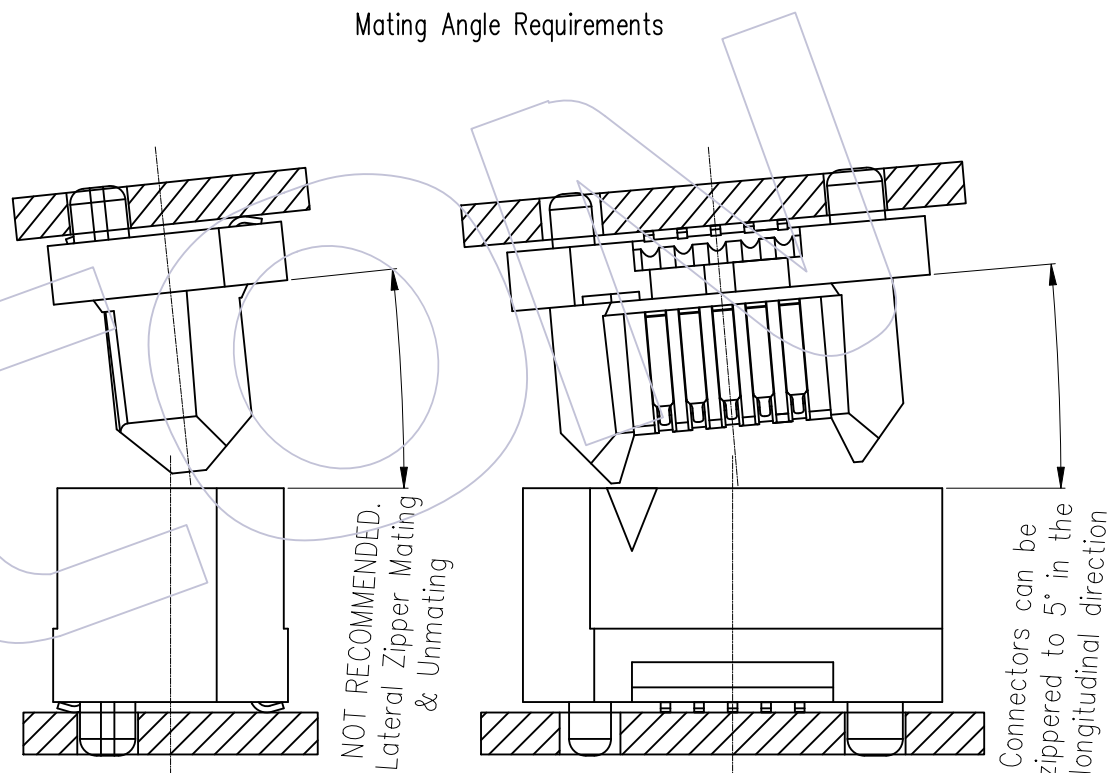
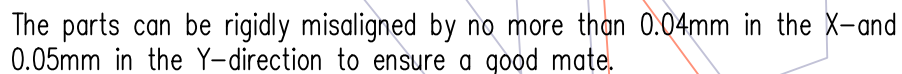
~~A1 NOT TOOLED~~

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



				OPERATION		DRAW houfu peng	DATE 2022.09.05	SCALE	FIT	PART NO. 37505—SMXXX—XXXWXR01	WCON Http: www.wcon.com	
				X.X	±0.40			UNIT	mm			
A1	2022.12.15	ADD COMMENTS	houfu peng	X.XX	±0.25	CHECK	DATE	SIZE	A4	TITLE: 0.8mm B TO B High Speed Connector Socket 180° SMT TYPE	WCON—Dongguan	WCON—Kunshan
A0	2022.09.05	NEW	houfu peng	X.XXX	±0.15			SHEET	3/4		Fax: +86 769 85358920	Tel: +86 512 57468408
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle	± 3°	APPROVE	DATE	SHEET	3/4	Customer NO.	Fax: +86 769 85358915	Fax: +86 512 57468468
				DIM	TOL			PROJ.			E-mail: sales@wcon.com	E-mail: salesks@wcon.com

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



WCON

Http: www.wcon.com

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