

HSF

NOTES:

Current Rating: 3.2AMP Per
Pin(2 Pins Powered)

Voltage Rating: 250VAC

Contact Resistance: 30mΩ Max

Withstand Voltage: 750V AC

Insulation Resistance: 1000MΩ Min

Operation Temperature: -55℃ to +125℃

Contact Material: Copper Alloy

Contact plating:

xxu" Gold On Contact Area, (See Ordering Information)

100u" Matte Tin On Solder Area

50u" Nickel Underplating Overall

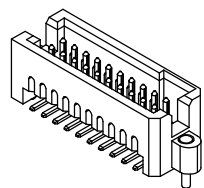
Insulator And Cap Material: LCP, G.F, UL94V-0, Black

Recommended Process:

Wave Soldering, Peak Temperature: 260±5℃

For 10+/-1s

VOID ON HOUSING SIDE,
JUST APPLIED FOR
LEAD STYLE -02



3D VIEW

TABLE 1

Item	Pitch	Mating
Standard	1.27[.050]	3601-S
Alternative		

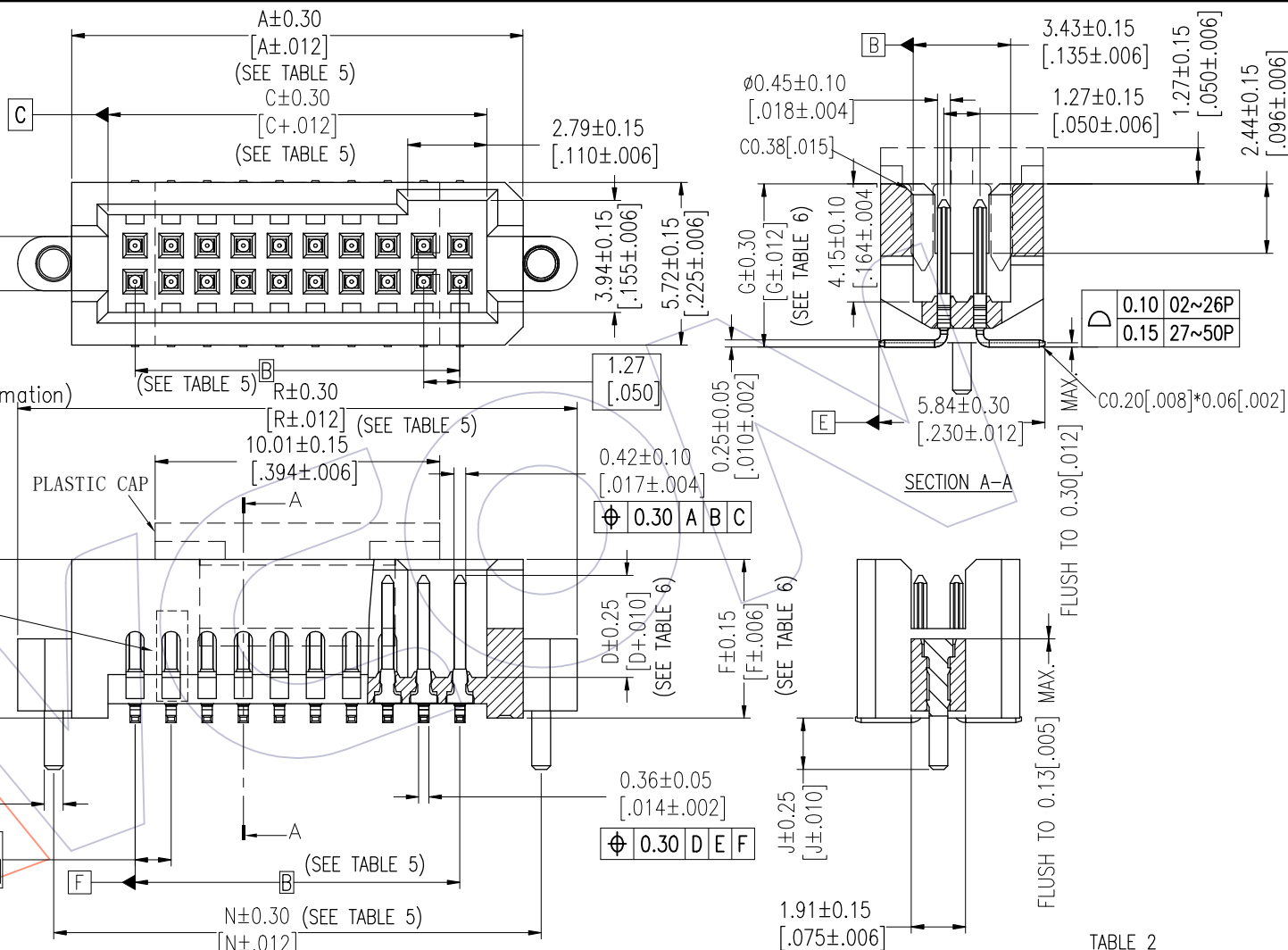


FIG. 1

SURFACE MOUNT

LEAD STYLE: SEE TABLE 5

TABLE 2

Part Number	Dim.J	WELD TAB
3601-PXXX-EX1XXXX01	2.06[.081]	M3601-PXX03
3601-PXXX-EX1XXXX11	2.92[.115]	M3601-PXX04

REV	DATE	MODIFICATION DESCRIPTION	CHANGE	OPERATION	DRAW	DATE	SCALE	FIT	PART NO.
A2	2024/10/07	MODIFY THE TEXT	OHJ	X.X ±0.40	OHJ	2024/10/07	UNIT	mm	3601-PXXX-EX1MXXXX1
A1	2021/07/22	ADD THE PIN NUMBLE DESCRIPTION IN TABLE 3	YE XIAOBING	X.XX ±0.25	CHECK	DATE	SIZE	A4	TITLE:
AO	2020/12/05	NEW	Orwell	X.XXX ±0.15	APPROVE	DATE	SHEET	1/7	1.27mm BTB Male Header
				Angle ± 3°			PROJ.		W=5.72, -STD STYLE, SMT
				DIM TOL					Customer NO.

WCON[Http: www.wcon.com](http://www.wcon.com)

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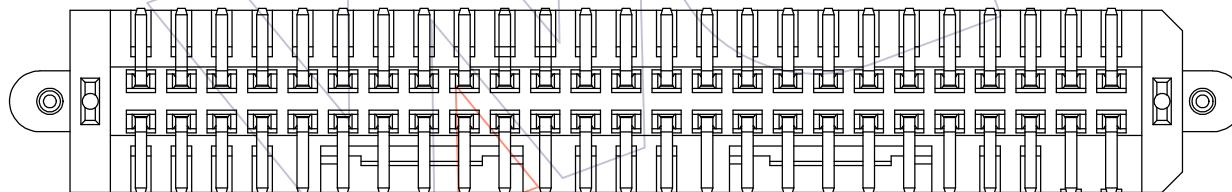
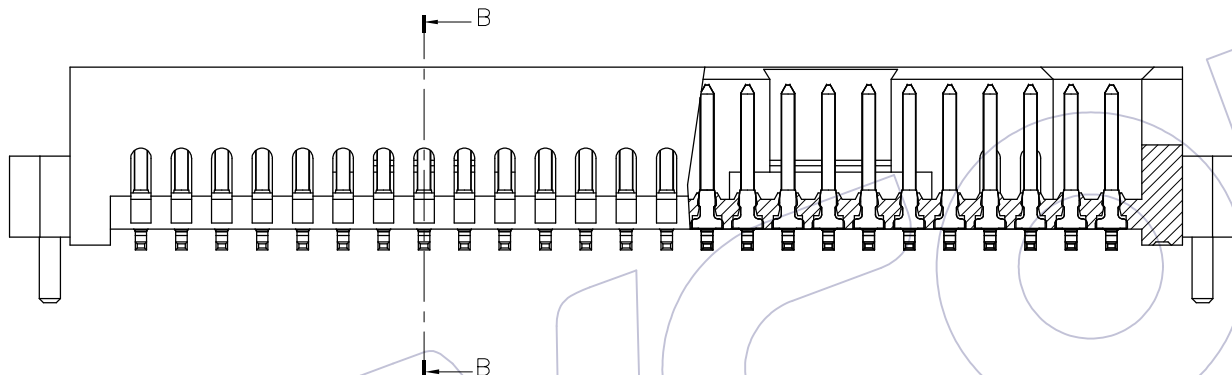
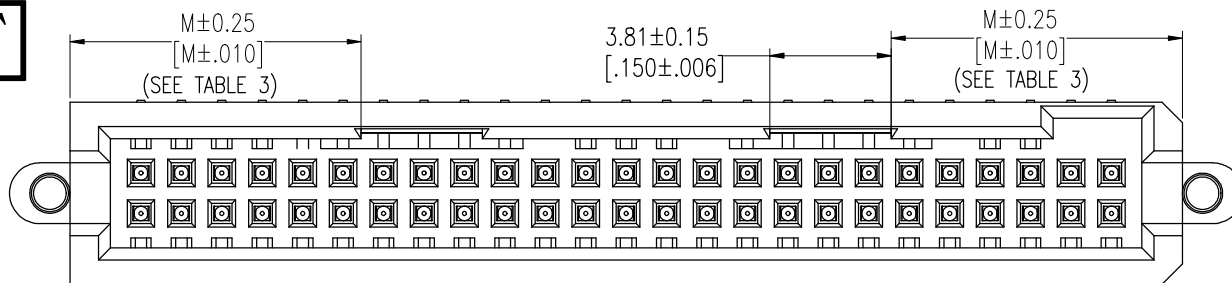


FIG. 2
HOUSING WITH LOCKING
POSITION 25 PER ROW
(SAME AS FIG.1, DIFFERENT AS SHOWN)

TABLE 3

NO. OF POS.	Dim.M
EVEN(EXCEPT 08)	7.87[.310]
ODD(EXCEPT 05, 07)	9.14[.360]
05, 07, 08	2.87[.113]

				OPERATION		DRAW	DATE	SCALE	FIT	PART NO. 3601-PXXX-EX1MXXXX1	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
A2	2024/10/07	MODIFY THE TEXT	OHJ	X.X	±0.40		OHJ	2024/10/07	UNIT		
A1	2021/07/22	ADD THE PIN NUMBLE DESCRIPTION IN TABLE 3	YE XIAOBING	X.XX	±0.25	CHECK	DATE	SIZE	A4	TITLE: 1. 27mm BTB Male Header W=5.72, -STD STYLE, SMT	
A0	2020/12/05	NEW	Orwell	X.XXX	±0.15			SHEET	2/7		
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle	± 3°	APPROVE	DATE	PROJ.		Customer NO.	
				DIM	TOL						

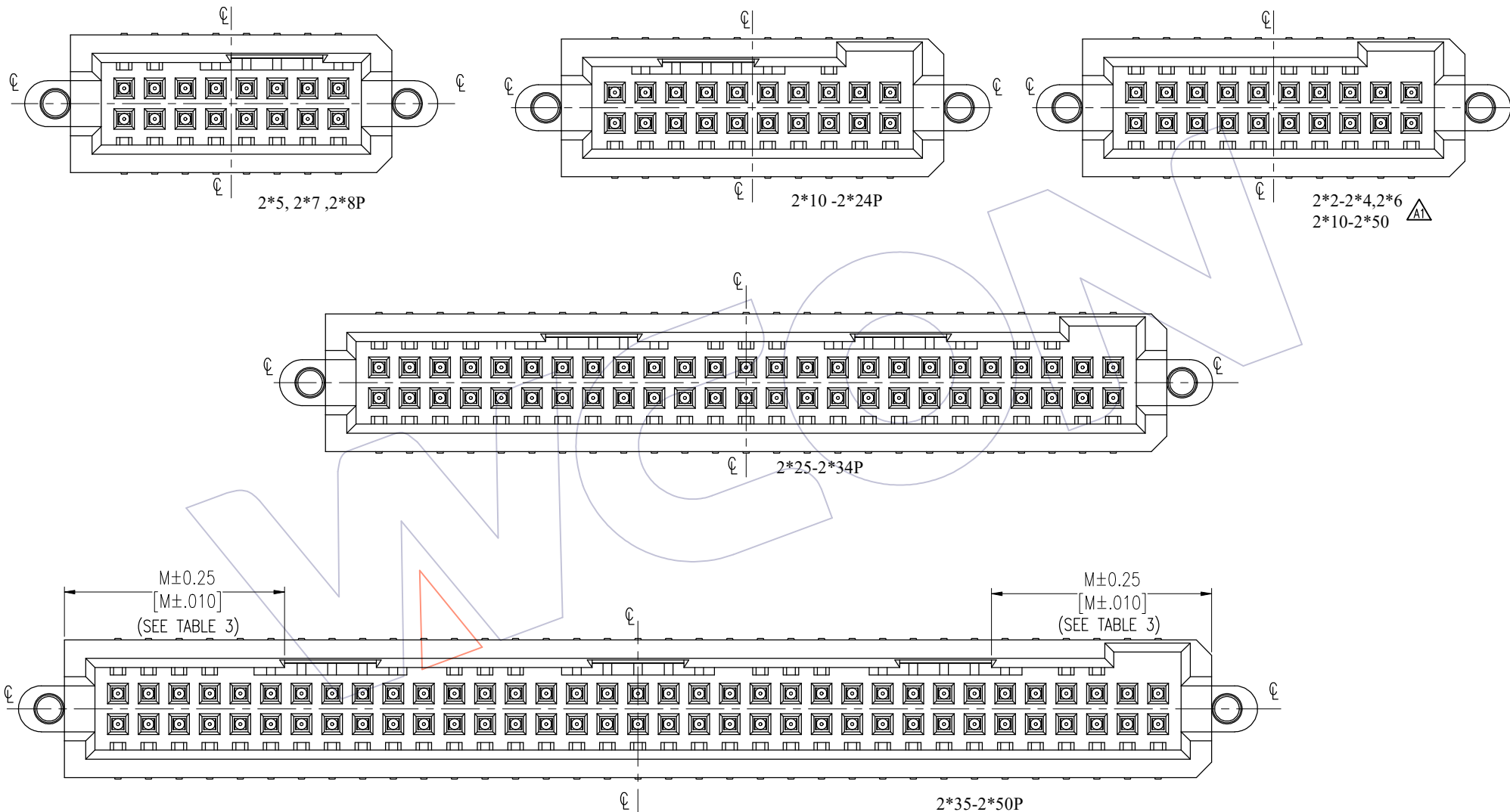
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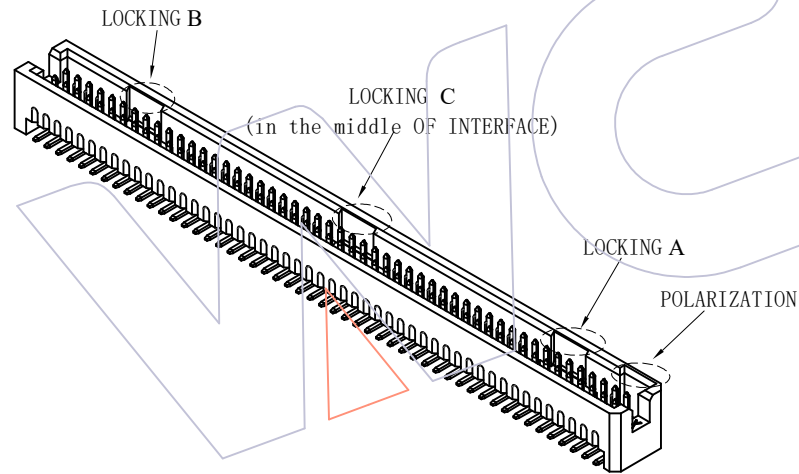
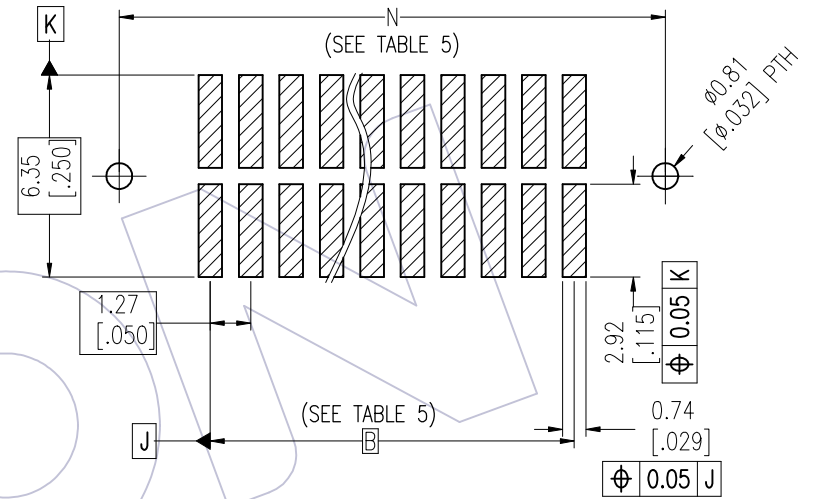


				OPERATION		DRAW	DATE	SCALE	FIT	PART NO.	WCON Http: www.wcon.com WCON-Dongguan Tel: +86 769 85358920 Fax: +86 769 85358915 E-mail: sales@wcon.com WCON-Kunshan Tel: +86 512 57468408 Fax: +86 512 57468468 E-mail: salesks@wcon.com	
A2	2024/10/07	MODIFY THE TEXT	OHJ	X.X	± 0.40	OHJ	2024/10/07	UNIT	mm	3601-PXXX-EX1MXXXX1		
A1	2021/07/22	ADD THE PIN NUMBLE DESCRIPTION IN TABLE 3	YE XIAOBING	X.XX	± 0.25	CHECK	DATE	SIZE	A4	TITLE: 1.27mm BTB Male Header W=5.72, -STD STYLE, SMT		
A0	2020/12/05	NEW	Orwell	X.XXX	± 0.15	APPROVE	DATE	SHEET	3/7	Customer NO.		
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle	$\pm 3^\circ$			PROJ.				
				DIM	TOL							

TABLE 3

No.	Pin Number (Per Row)	POLARIZATION	BUMP LOCKING A	BUMP LOCKING B	BUMP LOCKING C
3	2*5,2*7,2*8	NO	YES	NO	NO
2	2*10-2*24	YES	YES	NO	NO
2	2*25-2*34	YES	YES	YES	NO
2	2*35-2*50	YES	YES	YES	YES
1	2*10-2*50	YES	NO	NO	NO
1	2*2-2*4,2*6	YES	NO	NO	NO

A1

Recommended P.C.B Layout(Top Side)
(PCB BOARD TOLERANCE±0.05)

			OPERATION		DRAW	DATE	SCALE	FIT	PART NO.	WCON Http: www.wcon.com	
A2	2024/10/07	MODIFY THE TEXT	OHJ	X.X ±0.40							
A1	2021/07/22	ADD THE PIN NUMBLE DESCRIPTION IN TABLE 3	YE XIAOBING	X.XX ±0.25	CHECK	DATE	UNIT	mm	TITLE:	WCON-Dongguan	
A0	2020/12/05	NEW	Orwell	X.XXX ±0.15	APPROVE	DATE	SIZE	A4	1.27mm BTB Male Header	Tel: +86 769 85358920	
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle ± 3'			SHEET	4/7	W=5.72, -STD STYLE, SMT	Tel: +86 512 57468408	
				DIM TOL			PROJ.		Customer NO.	Fax: +86 769 85358915	
										E-mail: sales@wcon.com	
										E-mail: salesks@wcon.com	

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Ordering Information

3601 - P XXX- E X X M XX X X1

No.Of Pins:

04-100Pin

(See Table 5)

Housing Locking:

1=Without Locking+ Notch

2=With Locking+Notch

3=With Locking+No Notch

(SEE TABLE 4)

Housing Height:

1=5.588mm,

(See Table 6)

Internal Code:

0= Weld Tab

Tail Length 2.06mm

1= Weld Tab

Tail Length 2.92mm

(See Table 2)

Packaging :

R=Tape & Reel+ Cap

T=Tube

P=Tube + Cap

Contact Plating:

W2=5u" Gold/Matte Tin,

W3=10u" Gold/Matte Tin,

W4=15u" Gold/Matte Tin,

W5=30u" Gold/Matte Tin,

TABLE 5:

PIN No.(HOUSING WITH LOCKING)	PIN No.(HOUSING WITHOUT LOCKING)	Part Number	DIM.A	DIM.B	DIM.C	DIM.N	DIM.R
NA	04	3601-P004-EX1MXXX1	5.72[.225]	1.27[.050]	3.18[.125]	6.99[.275]	9.53[.375]
NA	06	3601-P006-EX1MXXX1	6.99[.275]	2.54[.100]	4.45[.175]	8.26[.325]	10.80[.425]
NA	08	3601-P008-EX1MXXX1	8.26[.325]	3.81[.150]	5.72[.225]	9.53[.375]	12.07[.475]
10	10	3601-P010-DX1MXXX1	9.53[.375]	5.08[.200]	6.99[.275]	10.80[.425]	13.34[.525]
NA	12	3601-P012-DX1MXXX1	10.80[.425]	6.35[.250]	8.26[.325]	12.07[.475]	14.61[.575]
14	14	3601-P014-DX1MXXX1	12.07[.475]	7.62[.300]	9.53[.375]	13.34[.525]	15.88[.625]
16	16	3601-P016-DX1MXXX1	13.34[.525]	8.89[.350]	10.80[.425]	14.61[.575]	17.15[.675]
20	20	3601-P020-DX1MXXX1	15.88[.625]	11.43[.450]	13.34[.525]	17.15[.675]	19.69[.775]
30	30	3601-P030-DX1MXXX1	22.23[.875]	17.78[.700]	19.69[.775]	23.50[.925]	26.04[1.025]
40	40	3601-P040-DX1MXXX1	28.58[1.125]	24.13[.950]	26.04[1.025]	29.85[1.175]	32.39[1.275]
50	50	3601-P050-DX1MXXX1	34.93[1.375]	30.48[1.200]	32.39[1.275]	36.20[1.425]	38.74[1.525]
60	60	3601-P060-DX1MXXX1	41.28[1.625]	36.83[1.450]	38.74[1.525]	42.55[1.675]	45.09[1.775]
70	70	3601-P070-DX1MXXX1	47.63[1.875]	43.18[1.700]	45.09[1.775]	48.90[1.925]	51.44[2.025]
80	80	3601-P080-DX1MXXX1	53.98[2.125]	49.53[1.950]	51.44[2.025]	55.25[2.175]	57.79[2.275]
90	90	3601-P090-DX1MXXX1	60.33[2.375]	55.88[2.200]	57.79[2.275]	61.60[2.425]	64.14[2.525]
100	100	3601-P100-DX1MXXX1	66.68[2.625]	62.23[2.450]	64.14[2.525]	67.95[2.675]	70.49[2.775]

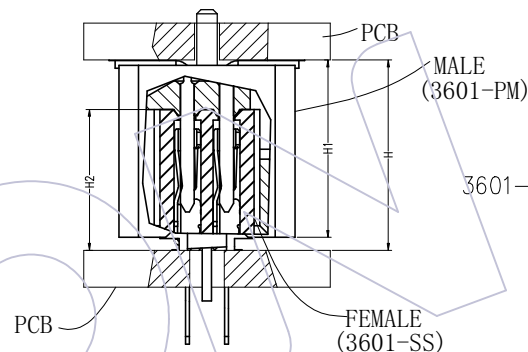
TABLE 6:

LEAD STYLE	Part Number	DIM.F	DIM.D	DIM.E	DIM.G	Overall Length For Pin(Short)
-02	3601-PXXX-EX1MXXX1	5.588[.2200]	3.59[.142]	NA	5.74[.226]	7.12[.280]

				OPERATION	DRAW	DATE	SCALE	FIT	PART NO.	WCON Http: www.wcon.com	
A2	2024/10/07	MODIFY THE TEXT	OHJ	X.X ±0.40	OHJ	2024/10/07	UNIT	mm inch	3601-PXXX-EX1MXXX1		
A1	2021/07/22	ADD THE PIN NUMBLE DESCRIPTION IN TABLE 3	YE XIAOBING	X.XX ±0.25	CHECK	DATE	SIZE	A4	TITLE: 1.27mm BTB Male Header W=5.72, -SN STYLE, SMT	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
A0	2020/12/05	NEW	Orwell	X.XXX ±0.15			SHEET	5/7			
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle DIM TOL	APPROVE	DATE	PROJ.	⚙	Customer NO.		

TABLE 7:

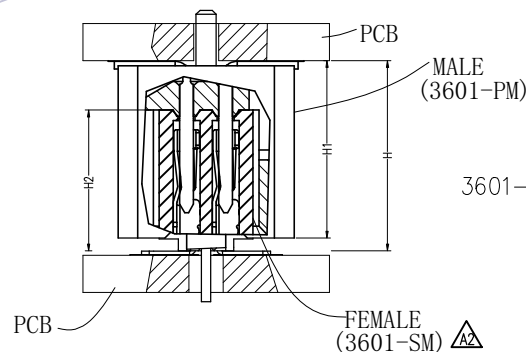
		ASS'Y HIGH(H)		MALE	FEMALE	WIPE	
		3601-SS LEAD STYLE				FULLY MATED	MIN @ H MAX
		-01, -03					
		FULLY MATED	MAX				
3601-PM LEAD STYLE	-02	6.17[.243]	6.63[.261]	5.74[.226]	4.57[.180]	0.84[.033]	0.38[.015]



3601-PM MATED WITH 3601-SS

TABLE 8:

		ASS'Y HIGH(H)		MALE H1	FEMALE H2	WIPE	
		3601-SM LEAD STYLE				FULLY MATED	MIN @ H MAX
		-02					
		FULLY MATED	MAX				
3601-PM LEAD STYLE	-02	6.30[.248]	6.76[.266]	5.74[.226]	4.83[.190]	0.84[.033]	0.38[.015]

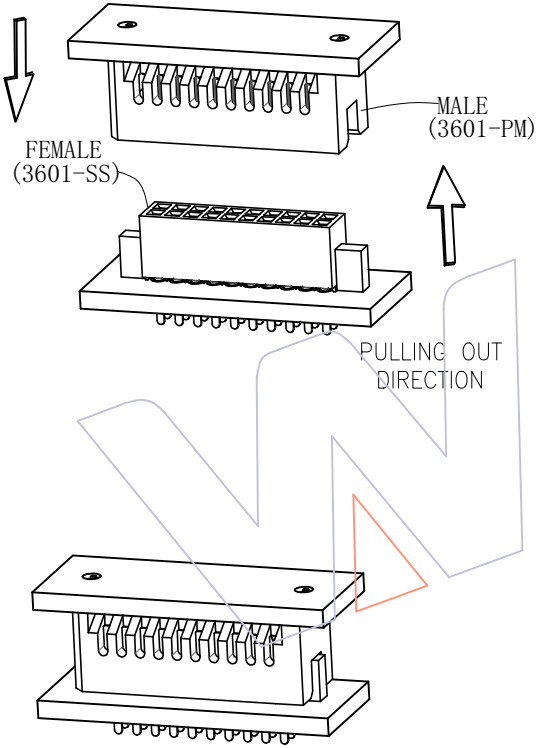


3601-PM MATED WITH 3601-SM $\triangle$

REV	DATE	MODIFICATION DESCRIPTION	CHANGE	OPERATION		DRAW OHJ	DATE 2024/10/07	SCALE	FIT	PART NO. 3601-PXXX-EX1MXXX1	TITLE: 1.27mm BTB Male Header W=5.72, -SN STYLE, SMT	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			UNIT	mm inch				
A2	2024/10/07	MODIFY THE TEXT	OHJ	X.X	± 0.25	CHECK	DATE	SIZE	A4	Customer NO.			
A1	2021/07/22	ADD THE PIN NUMBLE DESCRIPTION IN TABLE 3	YE XIAOBING	X.XX	± 0.15	APPROVE	DATE	SHEET	6/7				
A0	2020/12/05	NEW	Orwell	Angle	$\pm 3^\circ$			PROJ.	ϕ				
				DIM	TOL								

3601-PM MATED WITH 3601-SS

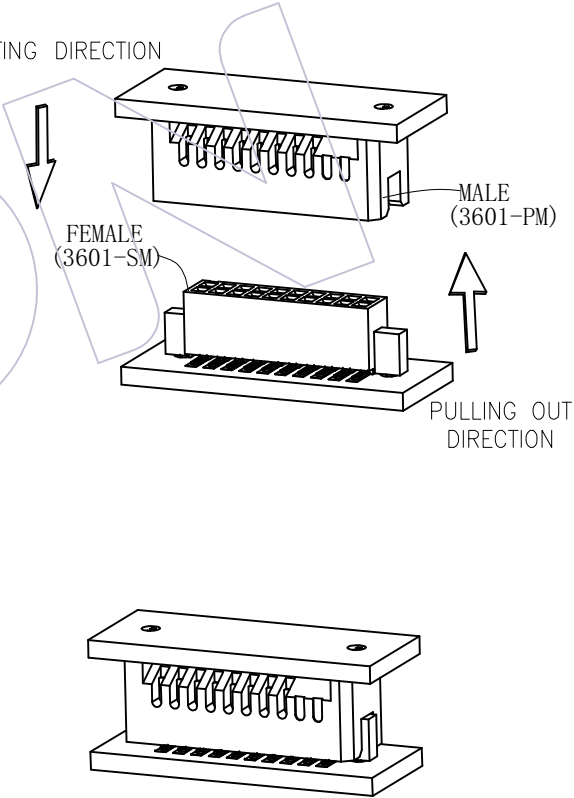
MATING DIRECTION



ASSEMBLY COMPLETION STATUS

3601-PM MATED WITH 3601-SM

MATING DIRECTION



ASSEMBLY COMPLETION STATUS

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A2	2024/10/07	MODIFY THE TEXT	OHJ	X.X	±0.40		CHECK	DATE	UNIT			
A1	2021/07/22	ADD THE PIN NUMBLE DESCRIPTION IN TABLE 3	YE XIAOBING	X.XX	±0.25	APPROVE	DATE	SIZE	A4	Customer NO.		
A0	2020/12/05	NEW	Orwell	X.XXX	±0.15			SHEET	7/7			
REV	DATE	MODIFICATION DESCRIPTION	CHANGE	Angle DIM	± 3' TOL			PROJ.			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