

P.C.B LAYOUT

■ Specifications:

- Voltage rating:250V AC/DC
- Current rating:3A AC/DC
- Withstanding voltage:1000V AC/minute
- Temperature range:-25 °C~+85 °C
- Insulation resistance:≥1000MΩ
- Contact resistance:≤20mΩ
- After environmental testing:≤20mΩ
- Male contact Retention force:≥20N

X2509 W V - XXS -N0 SN  
① ② ③ ④ ⑤ ⑥ ⑦

- ① XKB Series No.
- ② Category:W-WAFER
- ③ Welding Board Angle:R-90°
- ④ Row No.-pin No.:2\*XX-04P~20P
- ⑤ S:With positioning column
- ⑥ Material:NO-PA66 94V-0
- ⑦ Plating Category :SN-Bright Tin Plating

Poles	Dimensions(mm)			Poles	Dimensions(mm)		
	A	B	C		A	B	C
02	2.50	7.50	5.70	11	25.00	30.00	28.20
03	5.00	10.00	8.20	12	27.50	32.50	30.70
04	7.50	12.50	10.70	13	30.00	35.00	33.20
05	10.00	15.00	13.20	14	32.50	37.50	35.70
06	12.50	17.50	15.70	15	35.00	40.00	38.20
07	15.00	20.00	18.20				
08	17.50	22.50	20.70				
09	20.00	25.00	23.20				
10	22.50	27.50	25.70				

X2509WV-XXS-N0SN	PA66 UL 94V-0	X2509T	X2509H
PART NO	Material	Suitable XKB Terminal	Suitable XKB Terminal

广东星坤科技股份有限公司

ΔX	日期
生ΔX	
效ΔX	
MARK	

文件工程章

REVISIONS	DATE	REVISED	APPROVED	UNSPECIFIED TOLERANCES
			XKB	ANGLAR ±5°
				L≤4 ±0.2
				4<L≤16 ±0.3
				16<L≤63 ±0.4
				L>63 ±0.5

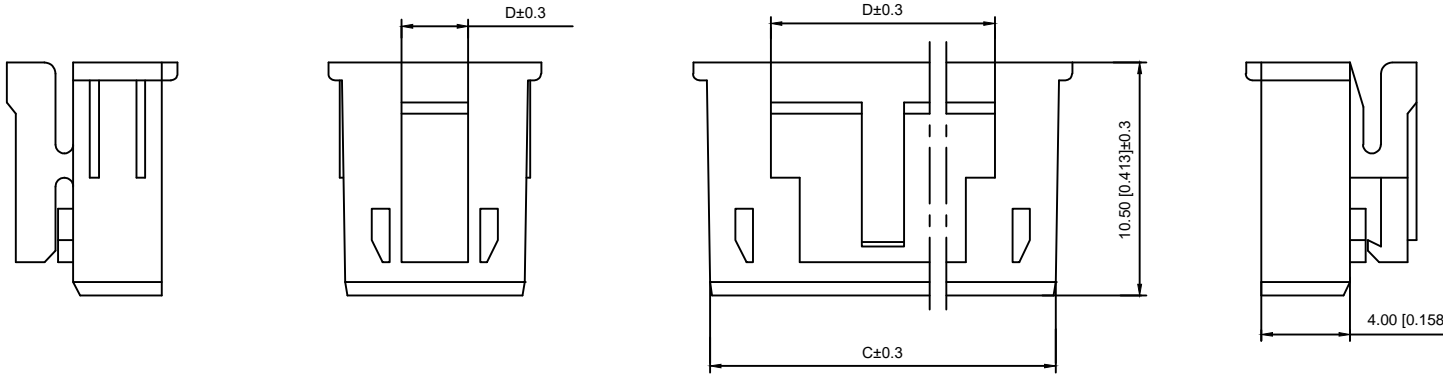
DSND	DATE	SCALE: N/A	MODEL TYPE: X2509WV-XXS-N0SN
DWN	DATE	VIEW:	PART NO.:
CHKD	DATE	UNIT: mm/in	DWG NO.:
APPD	DATE	SIZE: A4	
XKB INDUSTRIAL PRECISION CO.,LIMITED			WEIGHT SHEET REVISION 1/1 A0

2-3PIN

6PIN以上

■ Specifications:

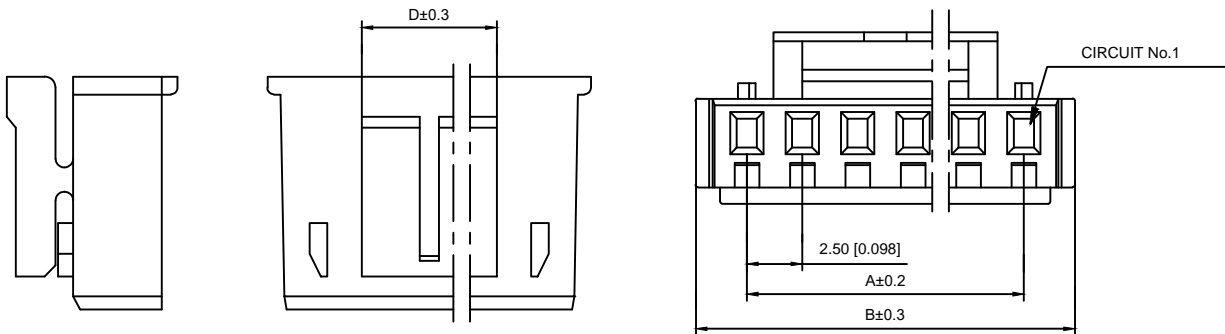
- Voltage rating:250V AC/DC
- Current rating:3A AC/DC
- Withstanding voltage:1000V AC/minute
- Temperature range:-25℃~+85℃
- Insulation resistance:≥1000MΩ
- Contact resistance:≤20mΩ
- After environmental testing:≤20mΩ



X2509 H M - XX -N0

① ②③ ④ ⑤

- ① XKB Series No.
- ② Category:H-HSG
- ③ M-Male
- ④ Row No.-pin No.:XX-02P~15P
- ⑤ Material:N0-PA66 94V-0



4-5PIN

Poles	Dimensions(mm)				Poles	Dimensions(mm)			
	A	B	C	D		A	B	C	D
02	2.50	7.00	5.60	3.00	11	25.00	29.50	28.10	15.00
03	5.00	9.50	8.10	3.00	12	27.50	32.00	30.60	16.00
04	7.50	12.00	10.60	5.00	13	30.00	34.50	33.10	17.00
05	10.00	14.50	13.10	6.00	14	32.50	37.00	35.60	18.00
06	12.50	17.00	15.60	10.00	15	35.00	39.50	37.10	19.00
07	15.00	19.50	18.10	11.00					
08	17.50	22.00	20.60	12.00					
09	20.00	24.50	23.10	13.00					
10	22.50	27.00	25.60	14.00					

X2509HM-XX-N0	PA66 UL 94V-0	X2509TF	X2509W
PART NO	Material	Suitable XKB Terminal	Suitable XKB Terminal

DSND	DATE	SCALE: N/A	MODEL TYPE: X2509HM-XX-N0
DWN	DATE	VIEW:	PART NO.:
CHKD	DATE	UNIT: mm/in	DWG NO.:
APPD	DATE	SIZE: A4	
XKB INDUSTRIAL PRECISION CO.,LIMITED			WEIGHT 1.0g
			SHEET 1/1
			REVISION A0

				XKB	ANGLAR	±5°
ΔX					L ≤ 4	±0.2
ΔX					4 < L ≤ 16	±0.3
ΔX					16 < L ≤ 63	±0.4
MARK					L > 63	±0.5
REVISIONS				UNSPECIFIED TOLERANCES		
www.helloxkb.com						

### Specifications:

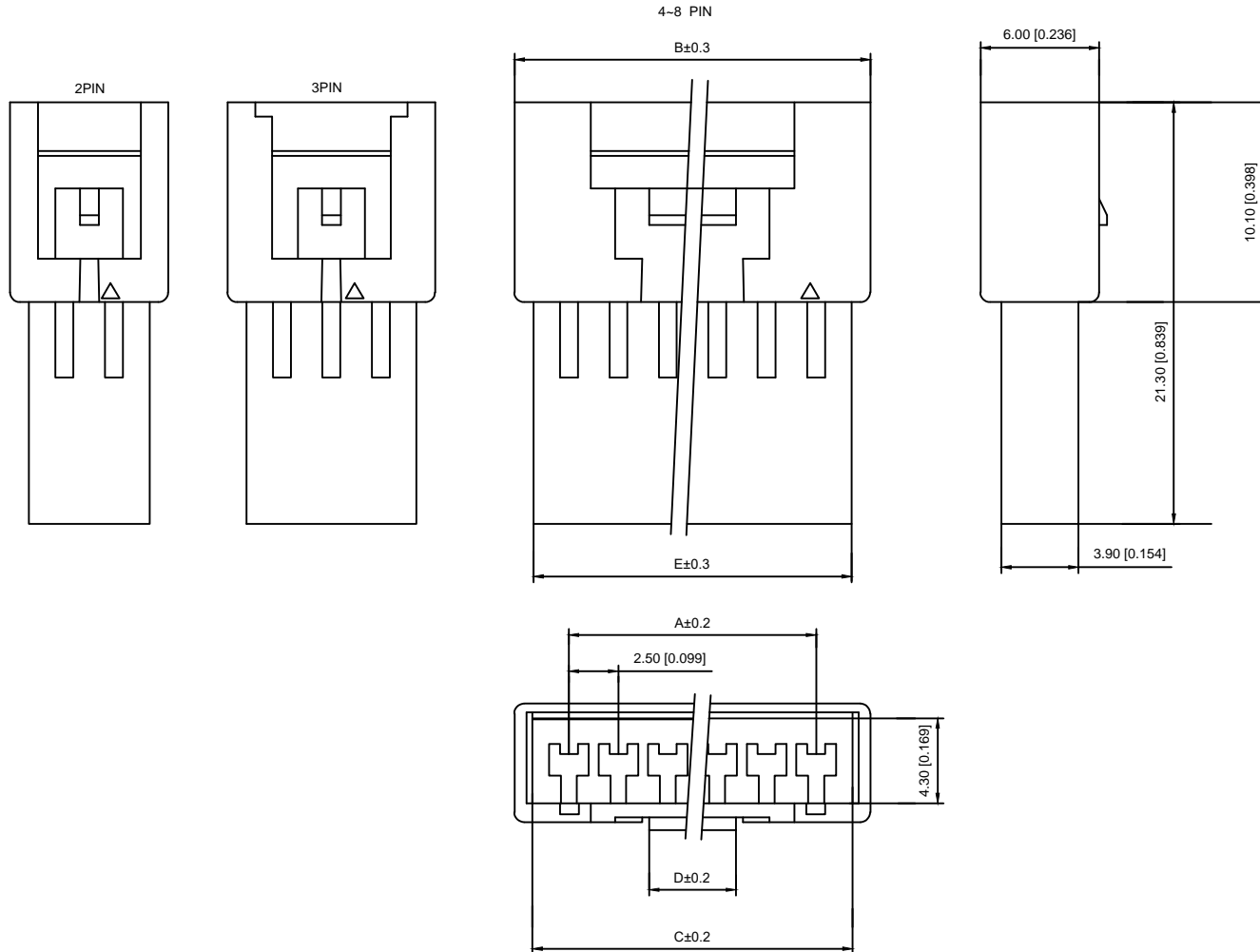
- Voltage rating:250V AC/DC
- Current rating:3A AC/DC
- Withstanding voltage:1000V AC/minute
- Temperature range:-25℃~+85℃
- Insulation resistance:≥1000MΩ
- Contact resistance:≤20mΩ
- After environmental testing:≤20mΩ

X2509 H F - XX -N0

① ②③ ④ ⑤

- ① XKB Series No.
- ② Category:H-HSG
- ③ M-Female
- ④ Row No.-pin No.:XX-02P~15P
- ⑤ Material:N0-PA66 94V-0

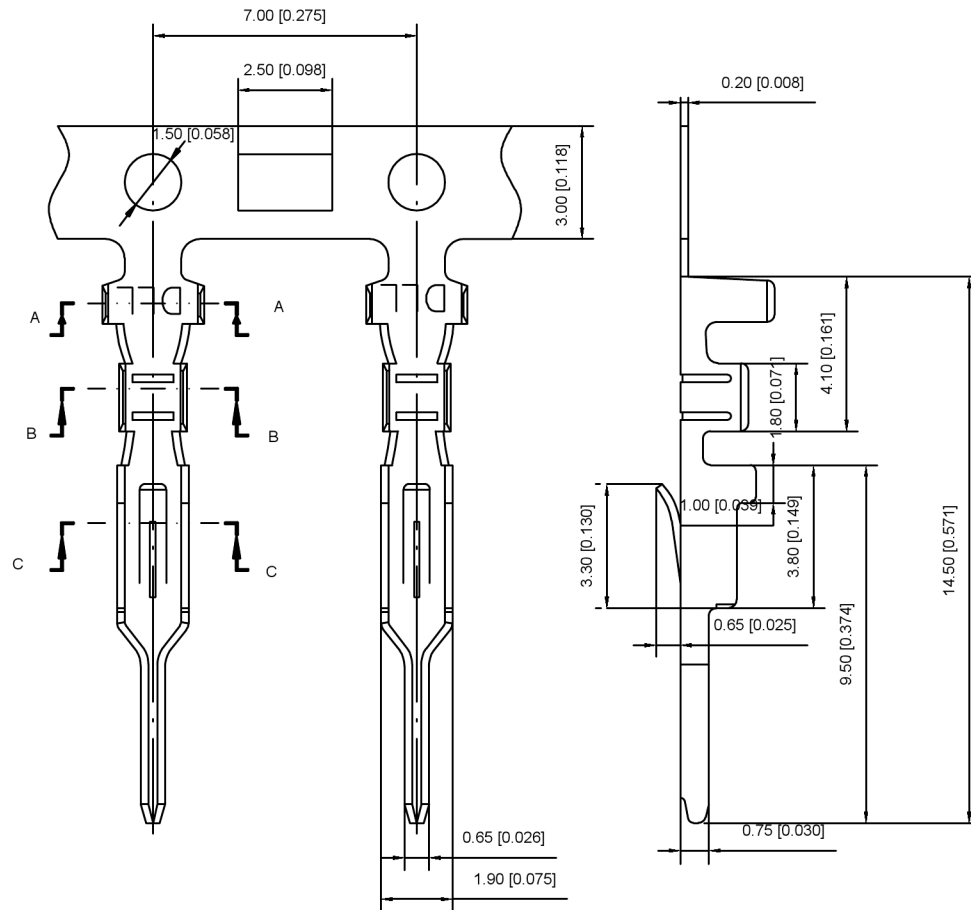
Poles	Dimensions(mm)			
	A	B	C/E	D
02	2.50	8.00	6.10	0.95
03	5.00	10.50	8.60	0.95
04	7.50	13.00	11.10	1.90
05	10.00	15.50	13.60	1.90
06	12.50	18.00	16.10	4.40
07	15.00	20.50	18.60	4.40
08	17.50	23.00	21.10	4.40



X2509HF-XX-N0	PA66 UL 94V-0	X2509TM	X2509W
PART NO	Material	Suitable XKB Terminal	Suitable XKB Terminal

DSND		DATE		SCALE: N/A	MODEL TYPE: X2509HF-XX-N0
DWN		DATE		VIEW:	PART NO.:
CHKD		DATE		UNIT: mm/in	DWG NO.:
APPD		DATE		SIZE: A4	
				XKB INDUSTRIAL PRECISION CO.,LIMITED	WEIGHT 1.0g
					SHEET 1/1
					REVISION A0

MARK	DESCRIPTION	DATE	REVISED	APPROVED	XKB	ANGLAR	±5°
Δx						L ≤ 4	±0.2
Δx						4 < L ≤ 16	±0.3
Δx						16 < L ≤ 63	±0.4
						L > 63	±0.5
REVISIONS						UNSPECIFIED TOLERANCES	
www.helloxkb.com							



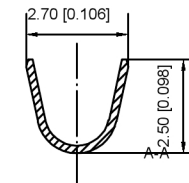
**Specifications:**

- Voltage rating: 250V AC/DC
- Current rating: 3A AC/DC
- Withstanding voltage: 800V AC/minute
- Temperature range: -25 °C ~ +85 °C
- Insulation resistance:  $\geq 1000M\Omega$
- Contact resistance:  $\leq 20m\Omega$
- After environmental testing:  $\leq 20m\Omega$

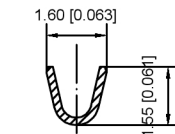
X2509 T M-P SN

① ② ③ ④ ⑤

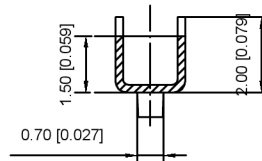
- ① XKB Series No.
- ② Category: T-terminal
- ③ M: male
- ④ Material: P-Phosphor bronze
- ⑤ Plating Category : SN-Bright Tin Plating



SECTION A-A



SECTION B-B



SECTION C-C

X2509TM-PSN	Phosphor bronze	AWG#22~28	1.2~1.9mm(Max)	Stamping Before Pating:30u"NI MIN;70" Sn MIN	X2509HF
PART NO	Material	Wire Range	Insulation O.D.	Finish	Suitable XKB Terminal

DSND		DATE		SCALE: N/A	MODEL TYPE: X2509TM-PSN	
DWN		DATE		VIEW:	PART NO.:	
CHKD		DATE		UNIT: mm/in	DWG NO.:	
APPD		DATE		SIZE: A4		
XKB INDUSTRIAL PRECISION CO.,LIMITED				WEIGHT	SHEET	REVISION
					1/1	A0

广东星坤科技股份有限公司

文件工程章

日期

DESCRIPTION

DATE

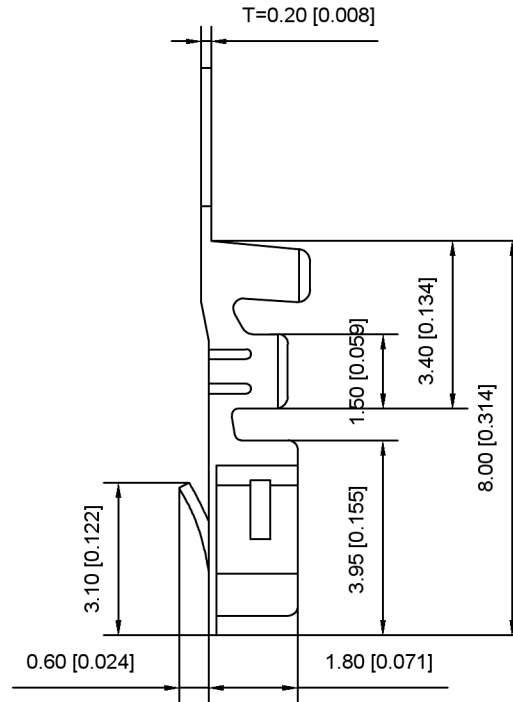
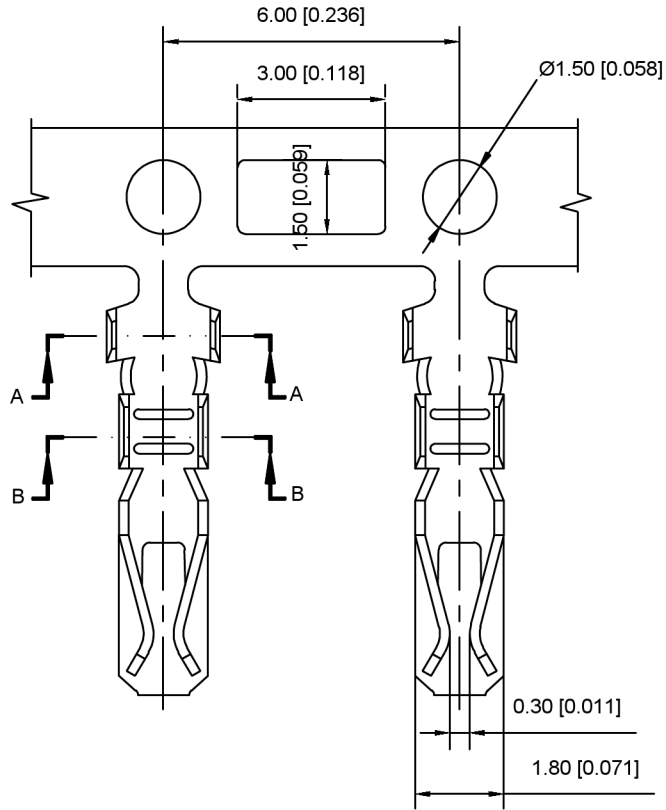
REVISED

APPROVED

UNSPECIFIED TOLERANCES

www.helloxkb.com

XKB	ANGLAR	$\pm 5^\circ$
	$L \leq 4$	$\pm 0.2$
	$4 < L \leq 16$	$\pm 0.3$
	$16 < L \leq 63$	$\pm 0.4$
	$L > 63$	$\pm 0.5$

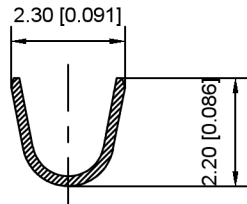


**Specifications:**

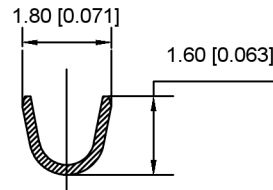
- Voltage rating:250V AC/DC
- Current rating:3A AC/DC
- Withstanding voltage:800V AC/minute
- Temperature range:-25℃~+85℃
- Insulation resistance:≥1000MΩ
- Contact resistance:≤20mΩ
- After environmental testing:≤20mΩ

X2509 T F-P SN  
① ② ③ ④ ⑤

- ① XKB Series No.
- ② Category:T-terminal
- ③ F:Female
- ④ Material:P-Phosphor bronze
- ⑤ Plating Category :SN-Bright Tin Plating



SECTION A-A



SECTION B-B

X2509TF-PSN	Phosphor bronze	AWG#22-28	1.2-1.9mm(Max)	Stamping Before Plating;30u"Ni MIN;70" Sn MIN	X2509HM
PART NO	Material	Wire Range	Insulation O.D.	Finish	Suitable XKB Terminal

广东星坤科技股份有限公司  
 生效  
 日期  
 文件工程章

				XKB	ANGLAR	±5°
					L ≤ 4	±0.2
					4 < L ≤ 16	±0.3
					16 < L ≤ 63	±0.4
					L > 63	±0.5
UNSPECIFIED TOLERANCES						
REVISIONS	DATE	REVISED	APPROVED			
www.helloxkb.com						

DSND		DATE		SCALE: N/A	MODEL TYPE: X2509TF-PSN
DWN		DATE		VIEW:	PART NO.:
CHKD		DATE		UNIT: mm/in	DWG NO.:
APPD		DATE		SIZE: A4	
XKB INDUSTRIAL PRECISION CO.,LIMITED					WEIGHT
					SHEET
					REVISION
					1/1
					A0