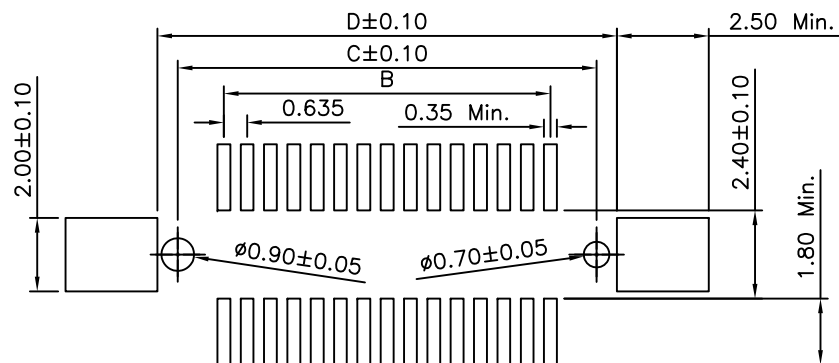
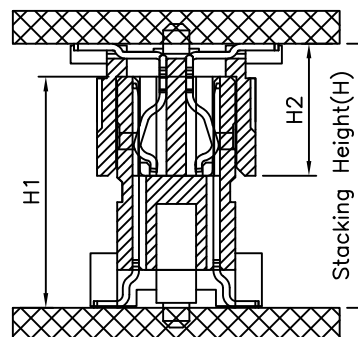




Recommended P.C.B. Layout (Top Side)
(PCB Board Tolerance ± 0.05)



Assembly

Pin	A	B	C	D	HS'G Lock
20	13.22	5.715	8.22	9.32	Yes
30	16.40	8.890	11.40	12.50	
40	19.57	12.065	14.57	15.67	
50	22.75	15.240	17.75	18.85	
60	25.92	18.415	20.92	22.02	
70	29.10	21.590	24.10	25.20	
80	32.27	24.765	27.27	28.37	
90	35.45	27.940	30.45	31.55	No
100	38.62	31.115	33.62	34.72	
120	44.97	37.465	39.97	41.07	
140	51.32	43.815	46.32	47.42	
160	57.67	50.165	52.67	53.77	

△ SPECIFICATION

1. Material & Finish

Insulator: LCP (UL94V-0)

Contact: Phosphor Bronze

Fitting Nail: Brass, Tin Plated Over Nickel

Cap: Stainless Steel

2. Electrical Characteristics

Current Rating: 0.5A At AC 100V

Withstanding Voltage: 250V AC

Contact Resistance:

Stacking Height	Before Test	After Test
6.0~7.0	40 Milliohms Max.	60 Milliohms Max.
8.0~10.0	50 Milliohms Max.	70 Milliohms Max.
11.0~13.0	60 Milliohms Max.	80 Milliohms Max.
14.0~16.0	70 Milliohms Max.	90 Milliohms Max.

Insulation Resistance: 1000 Megaohms Min.

3. Environmental Characteristics

Operation Temperature: $-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$

4. Other

<80 Pins The "M" Is 0.12mm Max.

>80 Pins The "M" Is 0.15mm Max.

5. RoHS Compliant

NPS XXX P XX - XX - SXX - RXXX - H
(1) (2) (3) (4) (5) (6) (7) (8)

(1) NPS: 0.635mm Board To Board SMT Straight

(2) XXX: No. Of Position

(3) P: Male

(4) XX: Stacking Height

50: 6.0/12.0/13.4mm Stacking Height

60: 7.0/13.0/14.4mm Stacking Height

70: 8.0/14.0/15.4mm Stacking Height

80: 9.0/15.0/16.4mm Stacking Height

90: 10.0/16.0/17.4mm Stacking Height

(5) XX: Insulator Color

Blank: Beige Insulator

BK: Black Insulator

(6) SXX: Contact Finish

Blank: Gold Flash On Contact Area, Tin

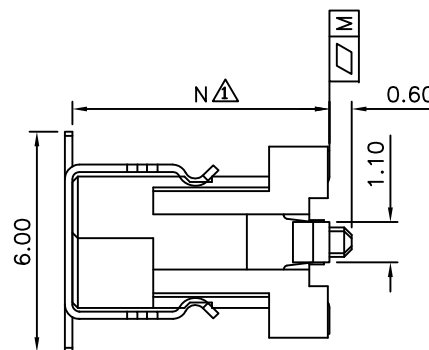
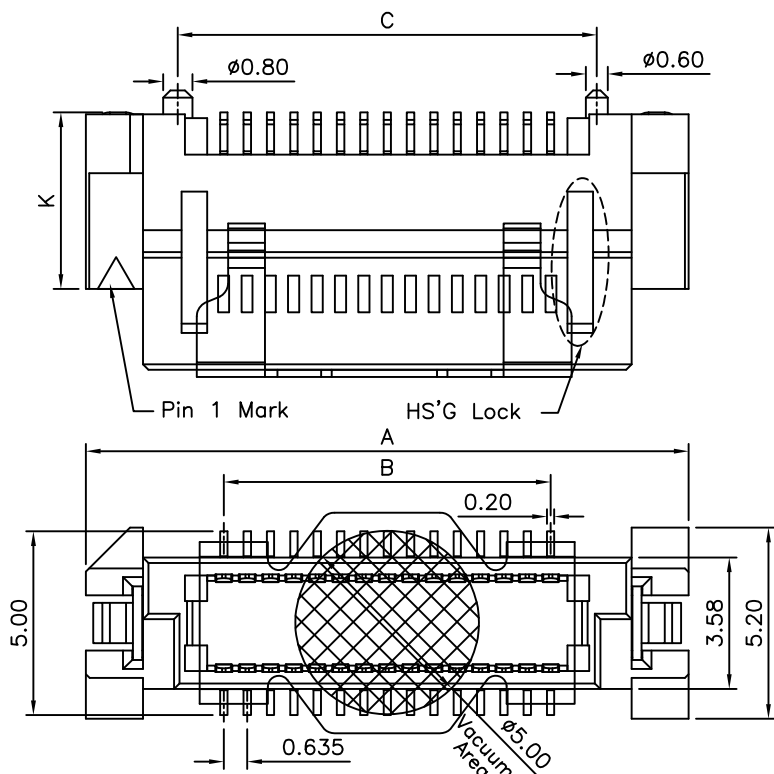
Plated On Solder Tails, Over Nickel

S10: Gold Plated 10u" On Contact Area, Tin

Plated On Solder Tails, Over Nickel

(7) RXXX: Tape & Reel

(8) H: RoHS Compliant



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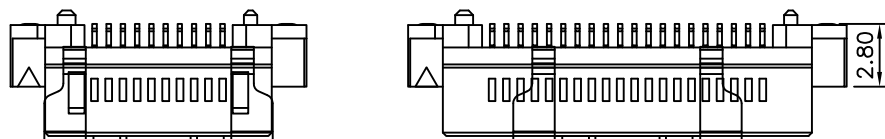
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AUK CONTRACTORS CO., LTD.

CATEGORY	APPROVED BY	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE
PART No.	MEI	.X ± 0.40
NPSXXXPXX-XX-SXX-RXXX-H	CHECKED BY	.XX ± 0.25
DRAWING No.	HZF	.XXX ± 0.15
NPSXXXPXX-XX-SXX-RXXX-H	DRAWING BY	ANG. $\pm 3^{\circ}$
SCALE	CYP	UNIT
NONE	REV.	mm
	A1	

NO.	REV.	REVISIONS	CHK	DATE
△ A1	Modify Data	HZF	01/10/2022	
△ A0	NEW RELEASE	HZF	04/09/2018	

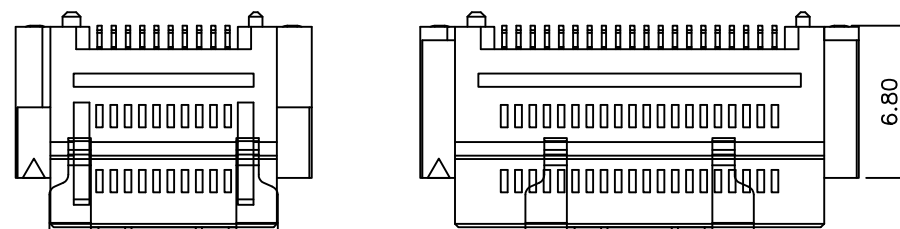
NPSXXXP50-XX-SXX-RXXX-H



Pin<80P

Pin≥80P

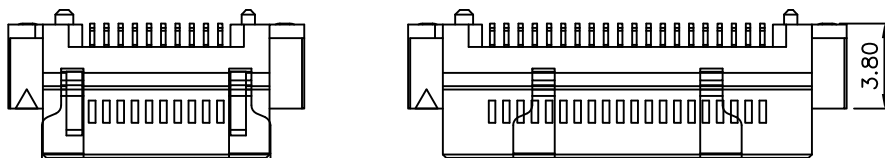
NPSXXXP90-XX-SXX-RXXX-H



Pin<80P

Pin≥80P

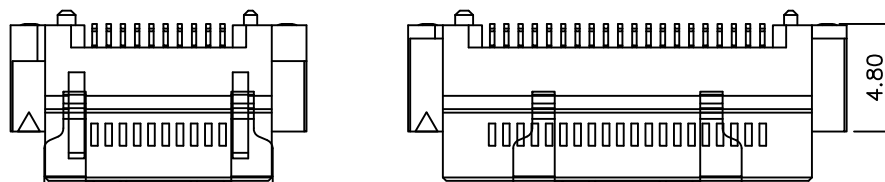
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Pin<80P

Pin≥80P

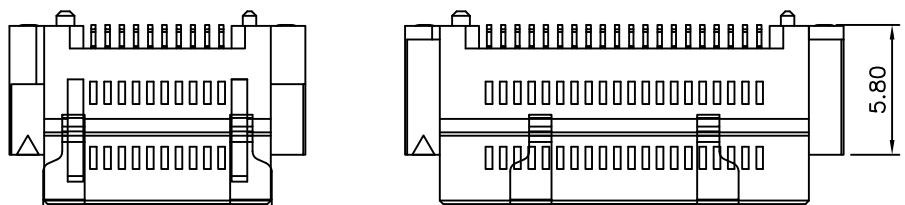
NPSXXXP70-XX-SXX-RXXX-H



Pin<80P

Pin≥80P

NPSXXXP80-XX-SXX-RXXX-H



Pin<80P

Pin≥80P

Q'ty/Reel

P/N	20P	30P	40P	50P	60P	70P	80P	90P	100P	120P
NPSXXXP50-XX-SXX-RXXX-H	850	850	850	--	--	850	850	--	--	--
NPSXXXP60-XX-SXX-RXXX-H	700	700	700	--	--	--	--	--	--	--
NPSXXXP70-XX-SXX-RXXX-H	450	450	450	--	--	--	--	--	--	--
NPSXXXP80-XX-SXX-RXXX-H	--	550	550	--	550	--	--	--	550	--
NPSXXXP90-XX-SXX-RXXX-H	500	350	350	350	--	--	350	--	--	--

Part No.(Plug)	Part No.(Socket)	H1	H2	Stacking Height	N	K
NPSXXXP50-XX-SXX-RXXX-H	NPSXXXS10-XX-SXX-RXXX-H	5.00	4.00	6.00	5.00	2.80
	NPSXXXS70-XX-SXX-RXXX-H		10.00	12.00		
	NPSXXXS84-XX-SXX-RXXX-H		12.40	13.40		
NPSXXXP60-XX-SXX-RXXX-H	NPSXXXS10-XX-SXX-RXXX-H	6.00	4.00	7.00	6.00	3.80
	NPSXXXS70-XX-SXX-RXXX-H		10.00	13.00		
	NPSXXXS84-XX-SXX-RXXX-H		12.40	14.40		
NPSXXXP70-XX-SXX-RXXX-H	NPSXXXS10-XX-SXX-RXXX-H	7.00	4.00	8.00	7.00	4.80
	NPSXXXS70-XX-SXX-RXXX-H		10.00	14.00		
	NPSXXXS84-XX-SXX-RXXX-H		12.40	15.40		
NPSXXXP80-XX-SXX-RXXX-H	NPSXXXS10-XX-SXX-RXXX-H	8.00	4.00	9.00	8.00	5.80
	NPSXXXS70-XX-SXX-RXXX-H		10.00	15.00		
	NPSXXXS84-XX-SXX-RXXX-H		12.40	16.40		
NPSXXXP90-XX-SXX-RXXX-H	NPSXXXS10-XX-SXX-RXXX-H	9.00	4.00	10.00	9.00	6.80
	NPSXXXS70-XX-SXX-RXXX-H		10.00	16.00		
	NPSXXXS84-XX-SXX-RXXX-H		12.40	17.40		

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CATEGORY

APPROVED BY

MEI

PART No.

NPSXXXPXX-XX-SXX-RXXX-H

CHECKED BY

HZF

DRAWING No.

NPSXXXPXX-XX-SXX-RXXX-H

DRAWING BY

CYP

SCALE

NONE

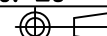
REV.

A1

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

.X ±0.40
.XX ±0.25
.XXX ±0.15
ANG. ±3°

UNIT mm



A1

Modify Data

HZF

01/10/2022

A0

NEW RELEASE

HZF

04/09/2018

NO. REV.

REVISIONS

CHK

DATE