

PRODUCT NUMBER

XXXXX-YYYHTLF

LEAD FREE OPTION
SEE NOTE 1,11

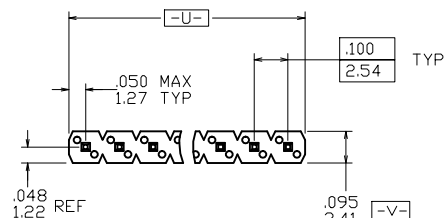
TUBE PACKAGING OPTION
SEE NOTE 1

HIGH TEMPERATURE PLASTIC
SEE NOTE 1

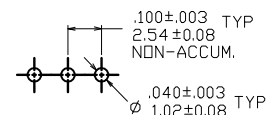
NO OF
POSITIONS
SEE NOTE 1

PIN PLATING
SEE SHEET 2

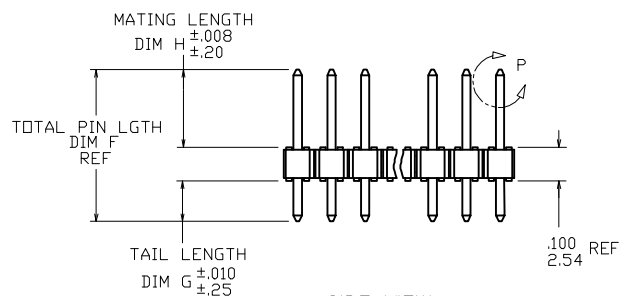
BASE PART NO.



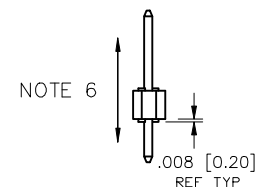
TOP VIEW



RECOMMENDED HOLE PATTERN



SIDE VIEW



END VIEW

⊕ ∅ .020/.51 (M) U (M) V (S)

NOTE 4



DETAIL P
TYP BOTH ENDS

mat'l. code	NOTES 2 & 3	Surface	ISO 1302	tolerance	ISO 406	projection	product family
ltr	ecn no	dr	date	tolerances unless otherwise specified	ISO 1101	INCH/MM	BERGSTIK
AD	V71402	HTB	9/25/97	angles	.XX±.01/XX±.03	scale 2:1	title
AE	V20790	GIP	4/24/02	linear	.XXX±.005/XXX±.013		BERGSTIK® II HEADER
AF	M04-0234	MHT	12/19/04	0°±2°	.XXX±.0020/XXX±0.051		.100 SR SELF-RET
AG	M05-0072	MHT	5/03/05	dr	D. WHITING	4/19/93	dwg no
AH	M06-0269	MNR	7/17/06	engr	T. HANNA	4/19/93	sheet 1 of 4
AJ	M06-0346	MHT	9/04/06	chr	T. BREWBAKER	4/19/93	size
AK	M08-0291	MHT	10/06/08	appd	T. HANNA	4/19/93	A3
sheet	revision	AK	AK	AK	AK	AK	type
index	sheet	1	2	3	4		Product Customer Drawing

PIN PLATING CODES:

XXXX-1YY	30u"/0.76u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-2YY	15u"/0.38u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-3YY	50u"/1.27u MIN Au OVER 50u"/1.27u MIN Ni
XXXX-4YY	100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 13)
XXXX-4YYHLF	
XXXX-5YY	15u"/0.38u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-6YY	30u"/0.76u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-7YY	30u"/0.76u MIN Au OVER 50u"/1.27u MIN Ni
XXXX-8YY	15u"/0.38u MIN Au OVER 50u"/1.27u MIN Ni
XXXX-9YY	15u"/0.38u MIN GXT OVER 50u"/1.27u MIN Ni
XXXX-0YY	30u"/0.76u MIN GXT OVER 50u"/1.27u MIN Ni

NOTES

①. PART NUMBER OPTIONS:

PIN PLATING CODES (SEE ABOVE)

HIGH TEMP. MATERIAL:

FOR HIGH-TEMPERATURE APPLICATIONS, SPECIFY AN "H" AT THE END OF THE PART NUMBER, AND PCT WILL BE SUPPLIED.

NUMBER OF POSITION:

ANY NUMBER OF POSITIONS FROM 2 THRU 36.

PACKAGING:

PACKAGED IN POLY BAGS.

EIGHT DIGIT PART NUMBERS FOLLOWED BY A "T" ARE PACKAGED IN TUBES. SEE SPECIFIC PART NUMBERS FOR AVAILABILITY.

LEAD FREE:

ADD "HLF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION, NOT AVAILABLE FOR -5YY, -5YYH, -6YY & -6YYH.

②. BODY MATERIAL:

MANUFACTURER'S OPTION OF NYLON OR PCT, GLASS FIBER REINFORCED, FLAME RETARDANT PER UL-94V-0.

COLOR: BLACK. OR

MINERAL FILLED LCP, COLOR BLACK

FLAME RETARDANT PER UL-94V-0.

PART NUMBERS WITH "H" SUFFIX WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN WAVE SOLDER, INFRA-RED OR VAPOR PHASE SOLDER PROCESS.

PART NUMBERS WITHOUT "H" SUFFIX WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR WAVE SOLDER PROCESS.

③. PIN MATERIAL: PHOS-BRONZE.

④. MEASURED WITH PART IN RESTRAINED CONDITION.

5. TWO SIDES OF PIN TIPS NOT PLATED. TYPICAL BOTH ENDS.

⑥. 2LBS/0.9KG MIN PIN RETENTION IN EITHER DIRECTION.

⑦. ±.010/0.25 TOL APPLIES TO ALL 'G' TAILS EXCEPT INDICATED PARTS ON TABLE WHERE +.010/0.25 -.000/0.00 APPLIES.

⑧. DETAIL N DIMENSIONS APPLY TO 2 POSITION PARTS ONLY

⑨. SECTION R-R DIMENSIONS ONLY APPLY TO RETENTION. PIN POSITIONS FOR 3 POSITION PARTS AND LARGER. RETENTION PIN POSITIONS LOCATED AT MANUFACTURER'S OPTION.

10. 5LB/2.3KG MAX INSERTION FORCE AND .25LB/.1KG MIN RETENTION FORCE PER RETENTIVE PIN USING .062/1.57 THICK CIRCUIT BOARDS AND RECOMMENDED HOLE PATTERN.

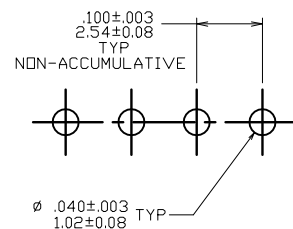
⑪. THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.

⑫. PLATING OPTIONS:
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

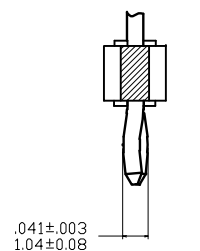
⑬. "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS."

mat'l. code		surface		tolerance		projection		product family	
NOTES 2 & 3		ISO 1302		ISO 406		ISO 1101		BERGSTIK	
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM		title	
AK				angles	linear	.XXX±.01/XX±.03		BERGSTIK® II HEADER	
						.XXX±.005/XX±.013		.100 SR SELF-RET	
				0°±2°		.XXX±.0020/XXX±0.051		scale 2:1	
		dr	D. WHITING	4/19/93			dwg no		sheet 2 of 4 size
		engr	T. HANNA	4/19/93			69190		A3
		chr	T. BREWBAKER	4/19/93			type		Product Customer Drawing
		appd	T. HANNA	4/19/93					
sheet	revision								
index	sheet								

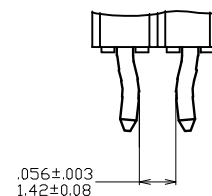
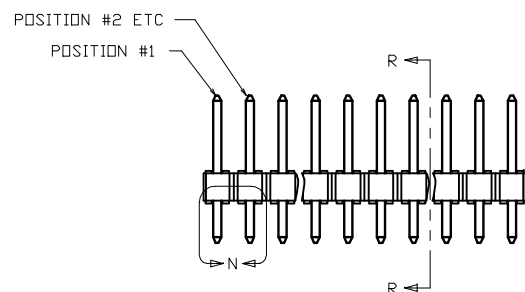
1 2 3 4 5 6



RECOMMENDED HOLE PATTERN



SECTION R-R
NOTE 9



TWO POSITION
DETAIL N
NOTE 8

mat'l code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family BERGSTIK
ltn	ecn no	dr	date	tolerances unless otherwise specified		 INCH/MM scale 2:1	title
AK				angles	linear		BERGSTIK® II HEADER
				0° ± 2°			.100 SR SELF-RET
				dr	D. WHITING	4/19/93	dwg no
				engr	T. HANNA	4/19/93	sheet 3 of 4
				chr	T. BREWBAKER	4/19/93	size
				appd	T. HANNA	4/19/93	A3
sheet	revision						type
index	sheet						Product Customer Drawing

PRODUCT NUMBER	TOTAL PIN LENGTH		TAIL LENGTH		MATING LENGTH		PACKAGING	NOTE	LF OPTION
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H			
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC			
69190-YYY	0.450	11.43	0.120	3.05	0.230	5.84	POLY BAGS/TUBES	—	NOTE 1,11 ↓
72348-YYYH	0.515	13.08	0.120	3.05	0.295	7.49	POLY BAGS	—	
78229-YYY	0.538	13.67	0.120	3.05	0.318	8.08	POLY BAGS/TUBES	—	
78250-YYY	U N A V		A I L A B L E					—	
78538-YYY	0.620	15.75	0.120	3.05	0.400	10.16	POLY BAGS	—	
78594-YYY	0.760	19.30	0.120	3.05	0.540	13.72	POLY BAGS	—	
79429-YYY	0.695	17.65	0.120	3.05	0.475	12.07	POLY BAGS	—	
79978-YYY	0.450	11.43	0.120	3.05	0.230	5.84	POLY BAGS/TUBES	7	
86505-YYY	0.440	11.18	0.120	3.05	0.220	5.59	POLY BAGS	—	
87036-YYY	0.830	21.08	0.120	3.05	0.610	15.49	POLY BAGS	—	
87068-YYY	0.530	13.46	0.115	2.92	0.315	8.00	POLY BAGS	—	
87280-YYY	1.000	25.40	0.120	3.05	0.780	19.81	POLY BAGS	—	
87452-YYY	0.840	21.34	0.120	3.05	0.620	15.75	POLY BAGS	—	
87453-YYY	0.990	25.15	0.120	3.05	0.770	19.56	POLY BAGS	—	
87918-YYY	0.730	18.54	0.120	3.05	0.510	12.95	POLY BAGS	—	
90603-YYY	0.430	10.92	0.100	2.54	0.230	5.84	POLY BAGS	—	
90610-YYY	0.927	23.55	0.100	2.54	0.727	18.47	POLY BAGS	—	
94549-YYYH	0.415	10.54	0.085	2.16	0.230	5.84	POLY BAGS	—	
									NOTE 1,11

mat'l. code				surface ISO 1902 <input checked="" type="checkbox"/>		tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK			
title AK				tolerances unless otherwise specified		linear XX±.01/XX±.03 XXX±.005/XX±.013 XXXX±.0020/XXX±0.051		INCH/MM scale 2:1		title BERGSTIK® II HEADER .100 SR SELF-RET			
dr D. WHITING 4/19/93				engr T. HANNA 4/19/93		chr T. BREWBAKER 4/19/93		appd T. HANNA 4/19/93		dwg no 69190		sheet 4 of 4 size A3	
sheet index				revision sheet		type Product Customer Drawing							