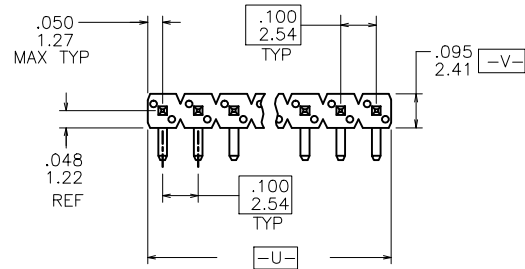


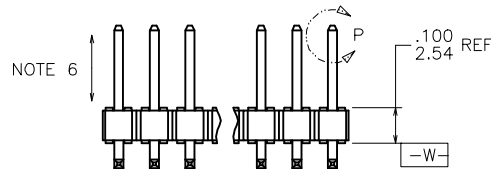
PRODUCT NUMBER

XXXXX-YYY HTLF

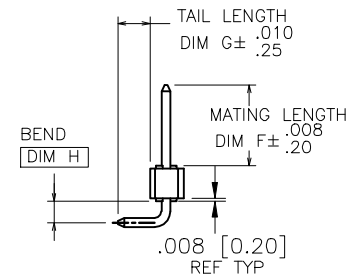
- LEAD FREE OPTION
SEE NOTE 1,11
- TUBE PACKAGING OPTION
SEE NOTE 1
- HIGH TEMPERATURE PLASTIC
SEE NOTE 1
- NO. OF POSITIONS
SEE NOTE 1
- PIN PLATING
SEE SHEET 2
- BASE PART NO.



TOP VIEW



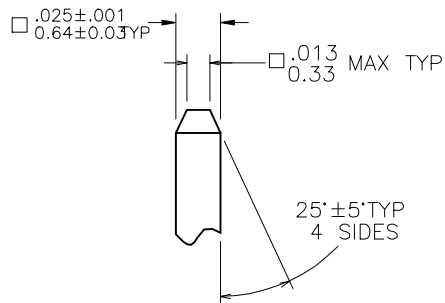
SIDE VIEW



END VIEW

⊕	∅.020/0.51	M	U	M	V	S	W
---	------------	---	---	---	---	---	---

NOTE 4



DETAIL P
TYP BOTH ENDS

mat'l. code NOTES 2 & 3				surface ISO 1302	tolerance ISO 406 ISO 1101	projection INCH/MM	product family BERGSTIK
ltr	ecn no	dr	date	tolerances unless otherwise specified		scale 2:1	title BERGSTIK® II HEADER .100 SR R/A SELF-RET
AB	V81816	EPK	10/12/98	angles	.XX±.01/XX±.03		
AC	V81876	EPK	10/26/98	linear	.XXX±.006/XXX±0.13		dwg no 69191
AD	V20790	GIP	04/24/02	0°±2'	.XXX±.0020/XXX±0.051		sheet 1 of 4 size A3
AE	M04-0234	MHT	12/29/04	dr	D.WHITING	04/07/93	type Product Customer Drawing
AF	M05-0072	MHT	5/03/05	engr	T.HANNA	04/07/93	
AG	M06-0435	MHT	10/31/06	chr	T.HANNA	04/07/93	
AH	M08-0291	MHT	10/06/08	appd	T.HANNA	04/07/93	
sheet	revision	AH	AH	AH	AH		
index	sheet	1	2	3	4		

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 1,13)
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 RETARDENT PER UL-94V-0.

COLOR: BLACK. OR

MINERAL FILLES LCP, COLOR BLACK

FLAME RETARDENT 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 ON DIM "F" APPLIES TO THIS PART ONLY.
- 8. 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.
- 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 MANUFACTURES OPTION.
- 10. SECTION S-S DIMENSIONS APPLY TO DUAL RETENTION PIN POSITIONS ONLY. SEE PRODUCT PART NUMBER FOR SINGLE OR DUAL SIDE RETENTION. LOCATED AT MANUFACTURER'S OPTION.
- 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."

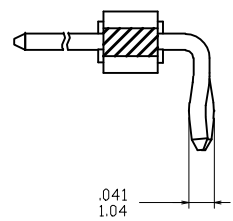
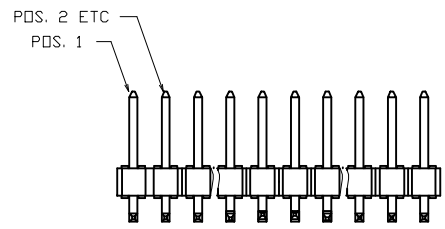
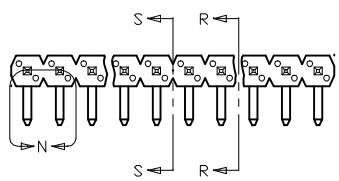
.100±.003 [2.54±.08]
TYP. NON-ACCUMULATIVE

∅.040±.003 [1.02±.08]
TYP.

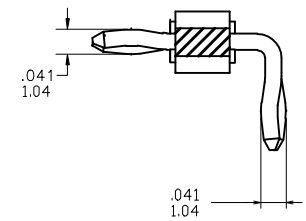


RECOMMENDED HOLE PATTERN

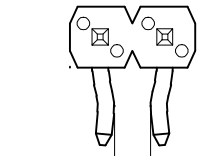
mat'l. code		surface	tolerance	projection	product family
		ISO 1302	ISO 406 ISO 1101		BERGSTIK
ltr	ecn no	dr	date	title	
AH				BERGSTIK® II HEADER	
angles				linear	INCH/MM
				linear	scale 2:1
0'±2'				linear	
dr		D.WHITING 04/07/93		dwg no	
engr		T.HANNA 04/07/93		sheet 2 of 4 size	
chr		T.HANNA 04/07/93		69191 A3	
appd		T.HANNA 04/07/93		type Product Customer Drawing	
sheet	revision				
index	sheet				



SECTION R-R
NOTE 9



SECTION S-S
NOTE 10



DETAIL N
NOTE 8

mat'l. code		surface		tolerance		projection		product family	
		ISO 1302		ISO 406		FIRST ANGLE		BERGSTIK	
itr		ecn no		date		tolerances unless otherwise specified		title	
AH						linear .XX±.01/XX±0.3		BERGSTIK® II HEADER	
						linear .XXX±.005/XXX±0.13		.100 SR R/A SELF-RET	
						linear .XXX±.0020/XXX±0.051		scale 2:1	
				dr		D.WHITING 04/07/93		dwg no	
				engr		T.HANNA 04/07/93		sheet 3 of 4	
				chr		T.HANNA 04/07/93		size	
				appd		T.HANNA 04/07/93		A3	
sheet		revision				type		Product Customer Drawing	
index		sheet							

PRODUCT NUMBER	MATING LENGTH		TAIL LENGTH		BEND DIM		RETENTION LOCATION	PACKAGING	NOTES	LF OPTION	
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H					
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC					
69191-XYX	0.230	5.84	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS/TUBES	-	NOTE 1,11	
72375-XYXH	0.240	6.10	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS	-		
78554-XYX	0.318	8.08	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS/TUBES	-		
78940-XYX	0.120	3.05	0.120	3.05	0.060	1.52	F MATE & G TAIL	POLY BAGS	7		
78952-XYX	0.120	3.05	0.318	8.08	0.135	3.43	F MATE	POLY BAGS	7		
79253-XYX	U N A V A I L A B L E										
84825-XYXH	0.354	9.00	0.102	2.60	0.060	1.52	G TAIL	POLY BAGS	-		
84851-XYXH	0.140	3.56	0.290	7.37	0.153	3.89	G TAIL	POLY BAGS	-		
86641-XYX	0.120	3.05	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS	-		
87018-XYX	U N A V A I L A B L E										
87844-XYX	U N A V A I L A B L E										
87965-XYX	U N A V A I L A B L E										
88869-XYX	0.120	3.05	0.230	5.84	0.135	3.43	F MATE	POLY BAGS	7		
90304-XYX	0.165	4.19	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS	-		
90604-XYX	U N A V A I L A B L E										
90609-XYX	U N A V A I L A B L E										
90638-XYX	0.120	3.05	0.262	6.65	0.060	1.52	F MATE	POLY BAGS/TUBES	7		
90640-XYX	0.120	3.05	0.262	6.65	0.127	3.23	F MATE	POLY BAGS	7		
94669-XYXH	0.230	5.84	0.085	2.16	0.060	1.52	G TAIL	POLY BAGS	-		
94670-XYXH	0.400	10.16	0.085	2.16	0.060	1.52	G TAIL	POLY BAGS	-		NOTE 1,11



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mat'l. code		surface	tolerance	projection	product family
		ISO 1302	ISO 406	1st angle	BERGSTIK
		tolerances unless otherwise specified		INCH/MM	title
ltr	ecn no	dr	date	linear	BERGSTIK® II HEADER
AH				0'±2'	.100 SR R/A SELF-RET
				scale 2:1	dwg no
		dr	D.WHITING	04/07/93	sheet 4 of 4
		engr	T.HANNA	04/07/93	size
		chr	T.HANNA	04/07/93	A3
		appd	T.HANNA	04/07/93	type
sheet	revision	Product Customer Drawing			
index	sheet				

form A3 1 2 3 4 5 6