

PRODUCT NUMBER

XXXX-YYY HTLF

LEAD FREE OPTION  
SEE NOTE 1,11

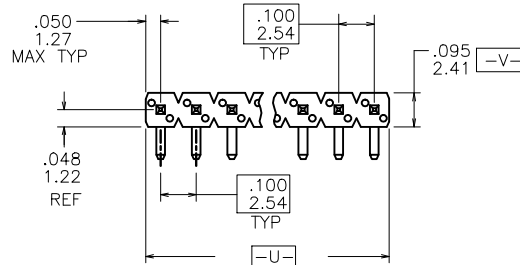
TUBE PACKAGING OPTION  
SEE NOTE 1

HIGH TEMPERATURE PLASTIC  
SEE NOTE 1

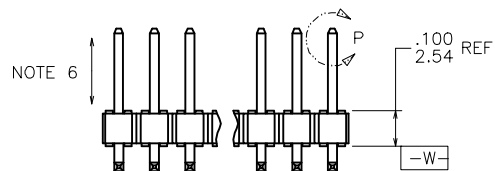
NO. OF  
POSITIONS  
SEE NOTE 1

PIN PLATING  
SEE SHEET 2

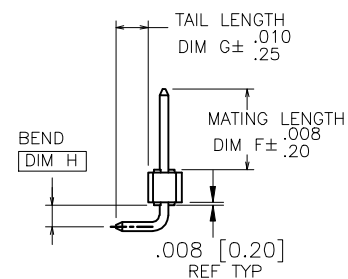
BASE PART NO.



TOP VIEW



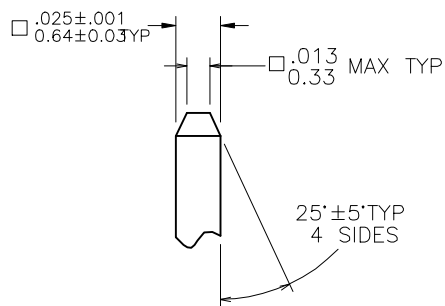
SIDE VIEW



END VIEW

⊕	∅.020/0.51	(M)	U	(M)	V	(S)	W
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NOTE 4



DETAIL P  
TYP BOTH ENDS

mat'l. code	NOTES 2 & 3	surface	ISO 1902	tolerance	ISO 406	projection	ISO 1101	product family	BERGSTIK
ltr	ecn no	dr	date	tolerances unless otherwise specified				title	BERGSTIK® II HEADER
AB	V81816	EPK	10/12/98	angles	linear	.XX±.01/XX±0.3	INCH/MM	100 SR R/A SELF-RET	
AC	V81876	EPK	10/26/98			.XXX±.006/XX±0.13			
AD	V20790	GIP	04/24/02	0°±2'		.XXX±.0020/XXX±0.05	scale 2:1		
AE	M04-0234	MHT	12/29/04	dr	D.WHITING	04/07/93		dwg no	69191
AF	M05-0072	MHT	5/03/05	engr	T.HANNA	04/07/93		sheet 1 of 4	A3
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		type	Product Customer Drawing
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.  $\pm 0.10/0.25$  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

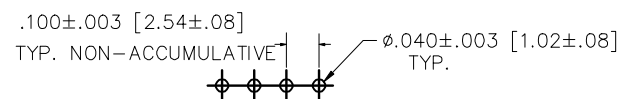
9. SECTION R-R DIMENSIONS ONLY APPLY TO RETENTION. PIN POSITIONS FOR 3 POSITION PARTS AND LARGER. RETENTION PIN POSITIONS LOCATED AT MANUFACTURES OPTION.

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.

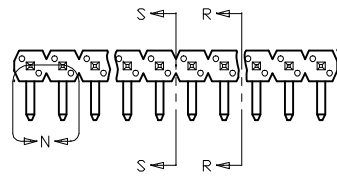
12. PLATING OPTIONS:  
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

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

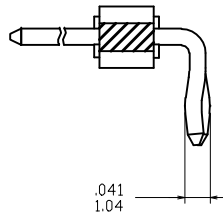
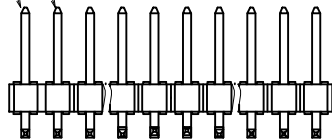


RECOMMENDED HOLE PATTERN

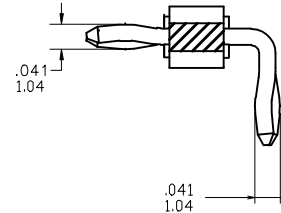
mat'l code				surface ISO 1902	tolerance ISO 406 ISO 1101	projection	product family BERGSTIK
ltr	ecn no	dr	date	tolerances unless otherwise specified			title
AH				angles	linear	INCH/MM	BERGSTIK® II HEADER
						scale 2:1	.100 SR R/A SELF-RET
				dr	D.WHITING 04/07/93		dwg no
				engr	T.HANNA 04/07/93		sheet 2 of 4
				chr	T.HANNA 04/07/93		size
				appd	T.HANNA 04/07/93		A3
sheet	revision						type
index	sheet						Product Customer Drawing



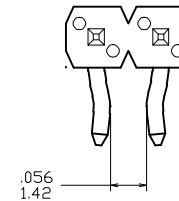
PDS. 2 ETC  
PDS. 1



SECTION R-R  
NOTE 9



SECTION S-S  
NOTE 10



DETAIL N  
NOTE 8

mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family BERGSTIK
ltr	ecp no	dr	date	tolerances unless otherwise specified		 INCH/MM	title
AH				angles	linear		BERGSTIK® II HEADER
						scale 2:1	.100 SR R/A SELF-RET
				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	—	

mat'l. code				surface ISO 1902 <input checked="" type="checkbox"/>		tolerance ISO 406 <input checked="" type="checkbox"/>		projection 		product family BERGSTIK	
ltr	ec'n no	dr	date	tolerances unless otherwise specified							
AH				angles	linear		.XXX±.01/.XXX±.03		INCH/MM		
							.XXX±.005/.XXX±.013				
				0'±2'			.XXX±.0020/.XXX±.005		scale 2:1		
				dr	D.WHITING	04/07/93			title <b>BERGSTIK® II HEADER</b> .100 SR R/A SELF-RET dwg no <b>69191</b> sheet 4 of 4 size <b>A3</b>		
				engr	T.HANNA	04/07/93					
				chr	T.HANNA	04/07/93					
				appd	T.HANNA	04/07/93					
sheet index	revision sheet										