

PRODUCT NUMBER

XXXXX-YYY HTLF

LEAD FREE OPTION
SEE NOTE 1,11

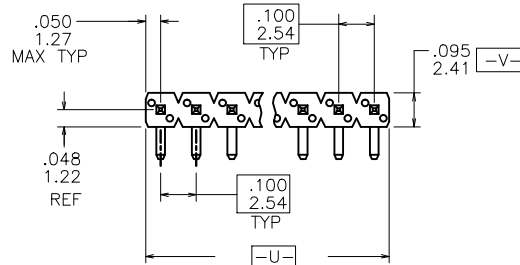
TUBE PACKAGING OPTION
SEE NOTE 1

HIGH TEMPERATURE PLASTIC
SEE NOTE 1

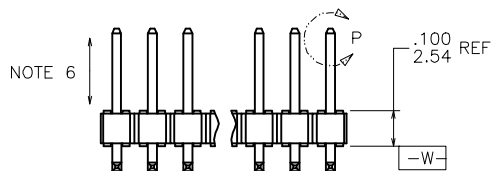
NO. OF
POSITIONS
SEE NOTE 1

PIN PLATING
SEE SHEET 2

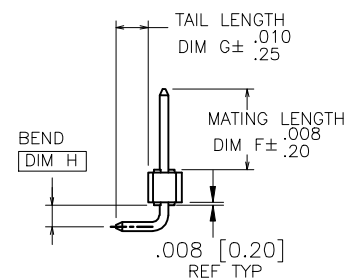
BASE PART NO.



TOP VIEW

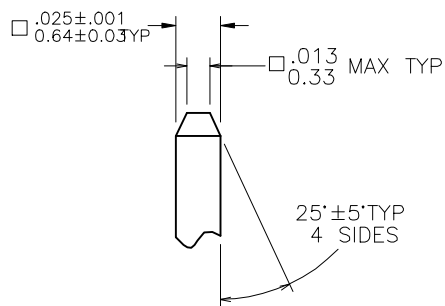


SIDE VIEW



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	projection	product family
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM	BERGSTIK
AB	V81816	EPK	10/12/98	angles	linear	scale 2:1	title
AC	V81876	EPK	10/26/98				BERGSTIK® II HEADER
AD	V20790	GIP	04/24/02	0° ± 2'			.100 SR R/A SELF-RET
AE	M04-0234	MHT	12/29/04	dr	D.WHITING	04/07/93	dwg no
AF	M05-0072	MHT	5/03/05	engr	T.HANNA	04/07/93	sheet 1 of 4
AG	M06-0435	MHT	10/31/06	chr	T.HANNA	04/07/93	size
AH	M08-0291	MHT	10/06/08	appd	T.HANNA	04/07/93	A3
sheet	revision	AH	AH	AH	AH		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 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

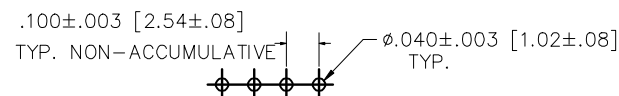
9. SECTION R-R DIMENSIONS ONLY APPLY TO RETENTION. PIN POSITIONS FOR 3 POSITION PARTS AND LARGER. RETENTION PIN POSITIONS LOCATED AT MANUFACTURES OPTION.

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.

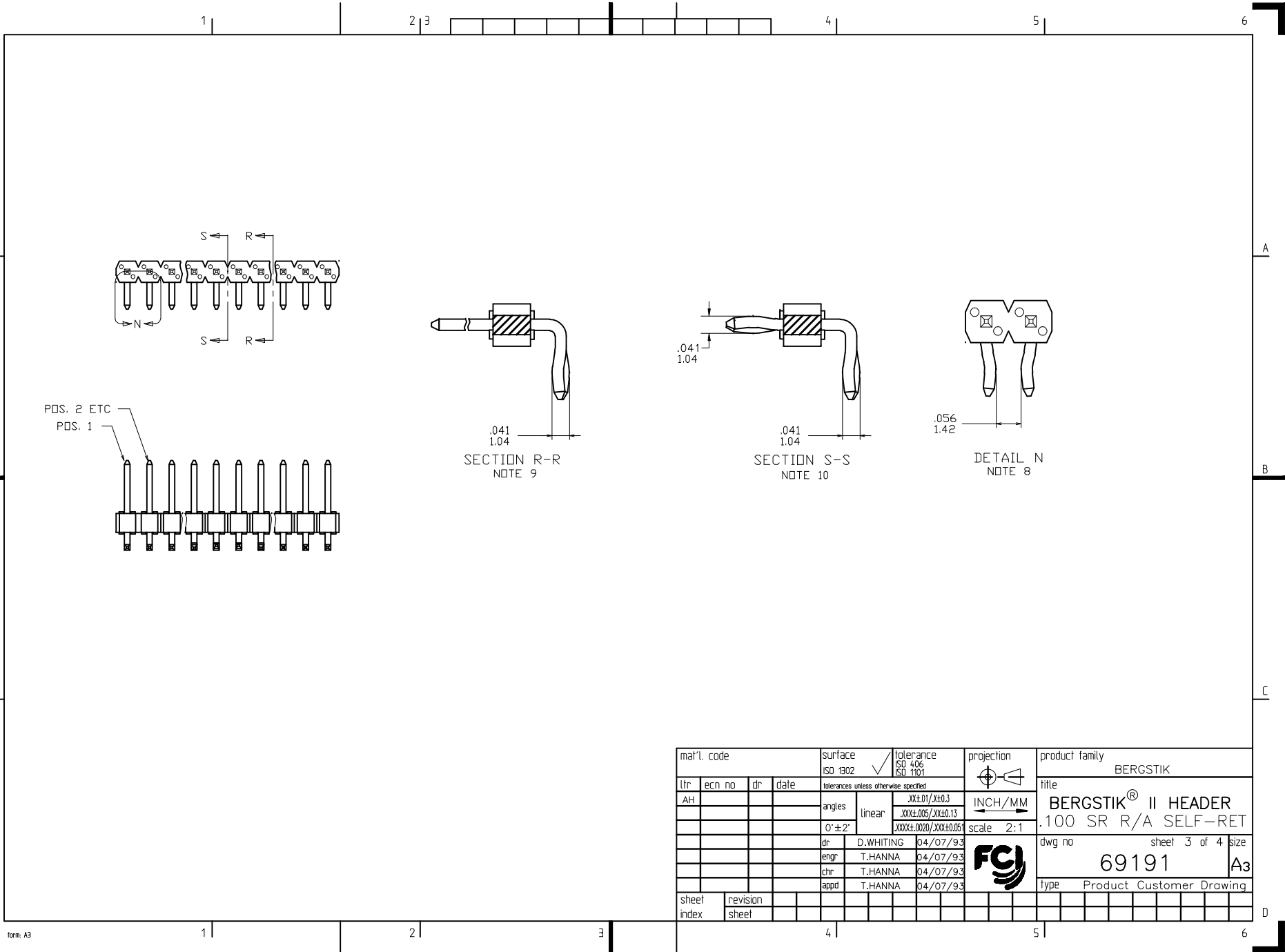
12. PLATING OPTIONS:
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

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



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
				0°±2°	.XX±.01/XX±0.3 .XXX±.006/XXX±0.13 .XXX±.0020/XXX±0.05	scale 2:1	.100 SR R/A SELF-RET
				dr	D.WHITING 04/07/93	FCJ	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



mat'l. code				surface ISO 1302		tolerance ISO 406 ISO 1101		projection		product family BERGSTIK			
ltr		ecrn no		dr		date		tolerances unless otherwise specified				title	
AH								angles		linear		BERGSTIK® II HEADER	
								0° ± 2°		.XXX±.01/.XXX.3 .XXX±.005/.XXX±.0.13 .XXX±.0020/.XXX±0.05		INCH/MM	
								dr		D.WHITING		04/07/93	
								engr		T.HANNA		04/07/93	
								chr		T.HANNA		04/07/93	
								appd		T.HANNA		04/07/93	
sheet index		revision sheet										dwg no	
												sheet 3 of 4 size	
												69191	
												A3	
												type Product Customer Drawing	

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	NOTE 1,11
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 ☒		tolerance ISO 406 ☒		projection 		product family BERGSTIK	
ltr	ecn no	dr	date	tolerances unless otherwise specified						title BERGSTIK® II HEADER .100 SR R/A SELF-RET	
AH				angles	linear	.XX±.01/XX±0.3 .XXX±.005/XX±0.13 .XXX±.0020/XXX±0.05					
				0'±2'				scale 2:1		dwg no	sheet 4 of 4 size
				dr	D.WHITING	04/07/93				69191	A3
				engr	T.HANNA	04/07/93					
				chr	T.HANNA	04/07/93					
				appd	T.HANNA	04/07/93					
sheet index	revision sheet										