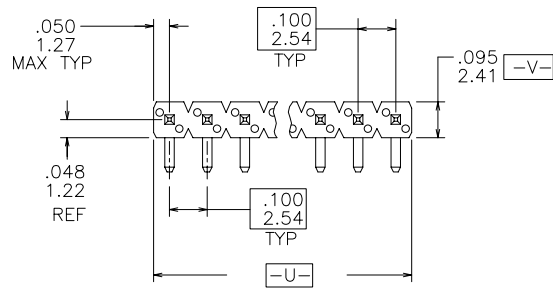


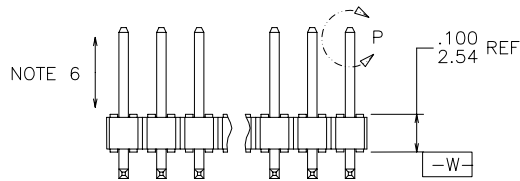
PRODUCT NUMBER

XXXXX-YYY HTLF

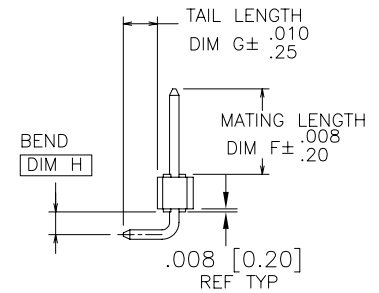
- LEAD FREE OPTION
SEE NOTE 1,11
- TUBE PACKAGING OPTION
SEE NOTE 1
- HIGH TEMPERATURE PLASTIC
SEE NOTE 1
- NO. OF POSITIONS
SEE NOTE 1
- PIN PLATING
SEE SHEET 2
- BASE PART NO.



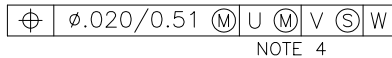
TOP VIEW



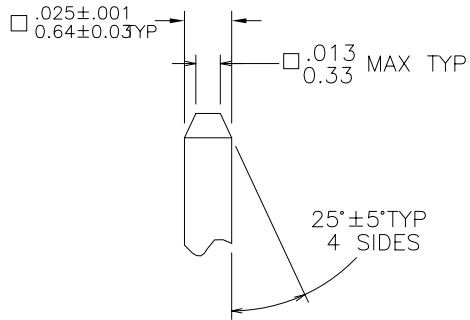
SIDE VIEW



END VIEW



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	ecm	no	dr	date	tolerances unless otherwise specified			title	
AA	V71402	HTB	06/29/97		angles	linear	.xx±.01/0.3	BERGSTIK® II HEADER	
AB	V81816	EPK	10/12/98				.xxx±.005/0.13	.100 SR R/A SELF-RET	
AC	V81876	EPK	10/26/98		0'±2'		.xxx±.0020/0.051	scale 2:1	
AD	V20790	GIP	04/24/02	dr	D.WHITING		04/07/93	dwg no	
AE	M04-0234	MHT	12/29/04	enr	T.HANNA		04/07/93	sheet 1 of 4 size	
AF	M05-0072	MHT	5/03/05	chr	T.HANNA		04/07/93	69191	
AG	M06-0435	MHT	10/31/06	appd	T.HANNA		04/07/93	A3	
sheet	revision	AG	AG	AG	AG			type Product Customer Drawing	
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:

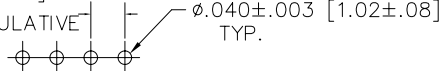
MANUFACTURER'S OPTION OF NYLON OR PCT, GLASS FIBER REINFORCED, FLAME RETARDANT PER UL-94V-0. COLOR: BLACK.

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.

.100±.003 [2.54±.08]

TYP. NON-ACCUMULATIVE



RECOMMENDED HOLE PATTERN

- 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."

mat'l. code		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection ⊕		product family BERGSTIK	
ltr		ecn no		dr		date		title	
AG								BERGSTIK® II HEADER	
				angles		linear		.XX±.01/0.3	
				0'±2'				.XXX±.005/0.13	
								.XXX±.0020/0.051	
				dr		D.WHITING		04/07/93	
				enr		T.HANNA		04/07/93	
				chr		T.HANNA		04/07/93	
				appd		T.HANNA		04/07/93	
sheet		revision							
index		sheet							
								scale 2:1	
								type Product Customer Drawing	
								sheet 2 of 4 size	
								69191 A3	

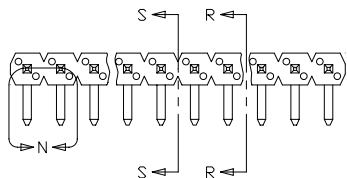
1

2 3

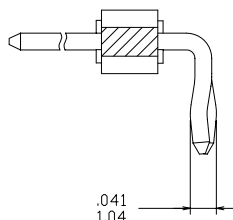
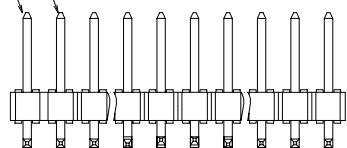
4

5

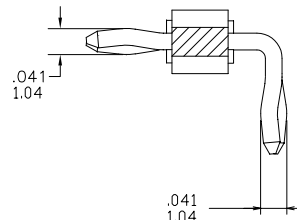
6



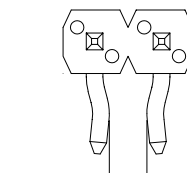
POS. 2 ETC
POS. 1



SECTION R-R
NOTE 9



SECTION S-S
NOTE 10



DETAIL N
NOTE 8



FCIconnect.com

Copyright FCI

mat'l. code		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection ⊕		product family BERGSTIK	
ltr		ecn no dr		date		tolerances unless otherwise specified		title	
AG						.xx±.01/0.3 linear .xxx±.005/0.13 .xxx±.0020/0.051		INCH/MM scale 2:1	
				0°±2'		dr D.WHITING 04/07/93 enr T.HANNA 04/07/93 chr T.HANNA 04/07/93 appd T.HANNA 04/07/93		BERGSTIK® II HEADER .100 SR R/A SELF-RET	
						FCI		dwg no 69191 sheet 3 of 4 size A3	
sheet index		revision sheet						type Product Customer Drawing	

form: A3

1

2

3

4

5

6

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-YYY	0.230	5.84	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS/TUBES	-	NOTE 1,11
72375-YYYH	0.240	6.10	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS	-	
78554-YYY	0.318	8.08	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS/TUBES	-	
78940-YYY	0.120	3.05	0.120	3.05	0.060	1.52	F MATE & G TAIL	POLY BAGS	7	
78952-YYY	0.120	3.05	0.318	8.08	0.135	3.43	F MATE	POLY BAGS	7	
79253-YYY	U N A V		A I L A B L E							
84825-YYYH	0.354	9.00	0.102	2.60	0.060	1.52	G TAIL	POLY BAGS	-	
84851-YYYH	0.140	3.56	0.290	7.37	0.153	3.89	G TAIL	POLY BAGS	-	
86641-YYY	0.120	3.05	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS	-	
87018-YYY	U N A V		A I L A B L E							
87844-YYY	U N A V		A I L A B L E							
87965-YYY	U N A V		A I L A B L E							
88869-YYY	0.120	3.05	0.230	5.84	0.135	3.43	F MATE	POLY BAGS	7	
90304-YYY	0.165	4.19	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS	-	
90604-YYY	U N A V		A I L A B L E							
90609-YYY	U N A V		A I L A B L E							
90638-YYY	0.120	3.05	0.262	6.65	0.060	1.52	F MATE	POLY BAGS/TUBES	7	
90640-YYY	0.120	3.05	0.262	6.65	0.127	3.23	F MATE	POLY BAGS	7	
94669-YYYH	0.230	5.84	0.085	2.16	0.060	1.52	G TAIL	POLY BAGS	-	
94670-YYYH	0.400	10.16	0.085	2.16	0.060	1.52	G TAIL	POLY BAGS	-	



FCJconnect.com

Copyright FCJ

mat'l. code		surface ISO 1302 <input checked="" type="checkbox"/>		tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK	
ltr		ecn no		dr		date		title	
AG								BERGSTIK® II HEADER	
								.100 SR R/A SELF-RET	
								scale 2:1	
								dwg no	
								69191	
								sheet 4 of 4 size	
								A3	
								type Product Customer Drawing	
sheet index		revision sheet							

form: A3