

PRODUCT NUMBER

XXXX-YYHTLF

LEAD FREE OPTION
SEE NOTE 1,11

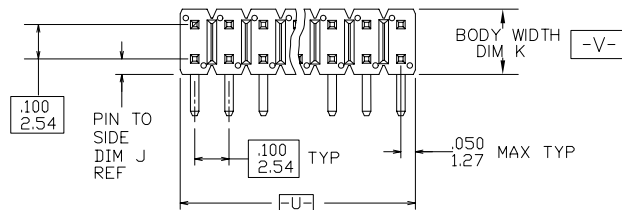
TUBE PACKAGING OPTION
SEE NOTE 1

HIGH TEMPERATURE PLASTIC
SEE NOTE 1

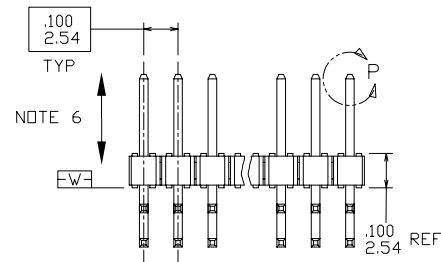
NO OF
POSITIONS
SEE NOTE 1

PIN PLATING
SEE SHEET 2

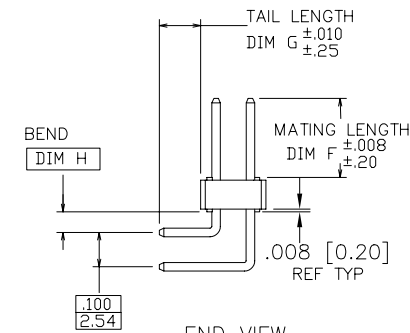
BASE PART NO.



TOP VIEW

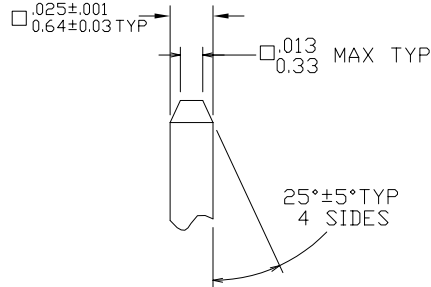


SIDE VIEW



END VIEW

⊕ Ø .020/.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 FCI	title
X	V61654	HTB	11/01/96		angles linear .XX±.01/.3		BERGSTIK® II HEADER
Y	V70891	HTB	6/05/97		.XXX±.005/.13		.100 DR R/A SELF-RET
AA	V71402	HTB	9/29/97	0'±2'	.XXXX±.0020/.051		
AB	V20801	GIP	4/29/02	dr	D. WITHING	4/08/93	dwg no
AC	M04-0234	MHT	12/29/04	enr	T. HANNA	4/08/93	sheet 1 of 4 size
AD	M05-0072	MHT	5/03/05	chr	T. HANNA	4/08/93	69193 A3
AE	M06-0269	MNR	7/17/06	appd	T. HANNA	4/08/93	type Product Customer Drawing
sheet	revision	AE	AE	AE	AE		
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	TIN LEAD OPTION 120u"/3.05u MIN 93/7 SnPb OVER 50u"/1.27u MIN Ni
	LF OPTION 100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 1,13)
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 (2X1) THRU 72 (2X36).

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:

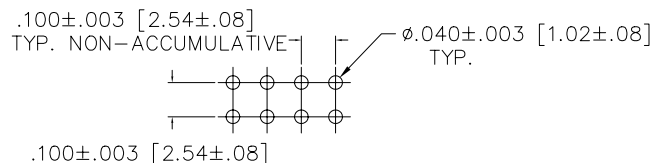
ADD "HLF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION, NOT AVAILABLE FOR -5YY,-5YYH,-6YY & -6YYH.

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.



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

8. SECTION R-R DIMENSIONS APPLY SPECIFIED ENDS OF RETENTION PIN POSITIONS ONLY. SEE PRODUCT PART NUMBER FOR SINGLE OR DUAL SIDE RETENTION LOCATED AT MANUFACTURES OPTION.

9. SECTION S-S DIMENSIONS APPLY TO DUAL RETENTION PIN POSITIONS ONLY, SEE PRODUCT PART NUMBER FOR SINGLE OR DUAL SIDE RETENTION. LOCATED AT MANUFACTURES OPTION.

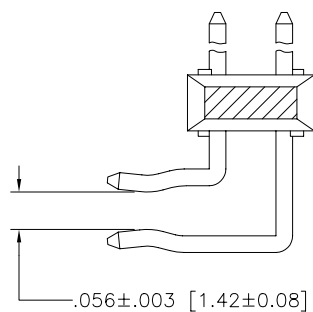
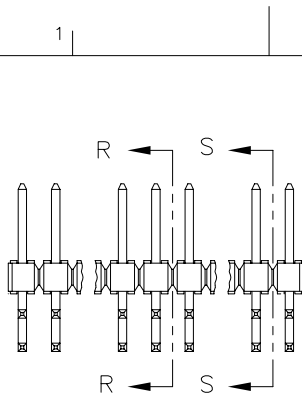
10. 5LB/2.3KG MAX INSERTION FORCE AND .25LB/.1KG MIN RETENTION FORCE PER RETENTIVE PIN USING .062/1.57 THICK CIRCUIT BOARDS AND RECOMMENDED HOLE PATTERN.

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

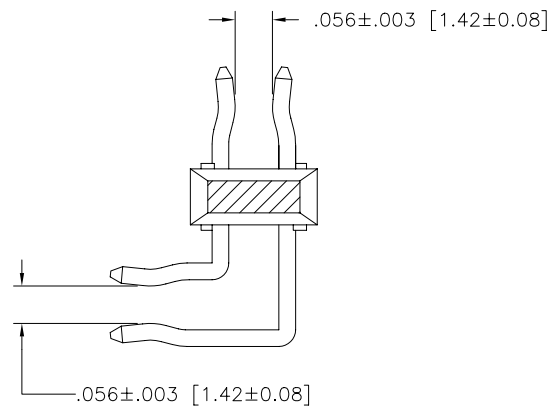
12. PLATING OPTIONS:
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

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 ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family BERGSTIK
ltr	ecn	no	dr	date	tolerances unless otherwise specified		title
AE					angles linear	.XX±.01/.3 .XXX±.005/.13 .XXXX±.0020/.051	BERGSTIK® II HEADER
					0'±2'	scale 1:1	.100 DR R/A SELF-RET
				dr	E. KROPIEWNIK	8/01/96	dwg no
				enr	T. BREWBAKER	8/01/96	sheet 2 of 4 size
				chr	T. BREWBAKER	8/01/96	69193 A3
				app	T. BREWBAKER	8/01/96	type Product Customer Drawing
sheet index	revision sheet						



SECTION R-R
NOTE 8



SECTION S-S
NOTE 9

mat'l. code					surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK								
ltr	ecn	no	dr	date	tolerances unless otherwise specified					INCH/MM		title BERGSTIK® II HEADER .100 DR R/A SELF-RET							
AE					angles	linear	.XX±.01/.3 .XXX±.005/.13 .XXXX±.0020/.051												
					0°±2'					scale 2:1		dwg no sheet3 of 4 size 69193 A3							
					dr	E. KROPIEWICKI	8/01/96												
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					app	T. BREWBAKER	8/01/96												
sheet index		revision sheet																	



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form: A3

PRODUCT NUMBER	1		2				3				4		5		6
	MATING	LENGTH	TAIL LENGTH		BEND DIM.		PIN TO SIDE		BODY WIDTH		RETENTION			LF	
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H	DIM J	DIM J	DIM K	DIM K	LOCATION	PACKAGING	NOTES	OPTION	
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC					
69193-XY	0.230	5.84	0.120	3.05	0.060	1.52	0.045	1.14	0.190	4.83	G TAIL	POLY BAGS	-	NOTE 1,11	
78253-XY			N O T A V A I L A B L E												
78276-XY	0.318	8.08	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	G TAIL	POLY BAGS/TUBES	-		
78299-XY	0.230	5.84	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	G TAIL	POLY BAGS/TUBES	-		
86381-XY	0.250	6.35	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	G TAIL	POLY BAGS	-		
87227-XY	0.318	8.08	0.120	3.05	0.060	1.52	0.045	1.14	0.190	4.83	G TAIL	POLY BAGS	-		
87801-XY			N O T A V A I L A B L E												
87845-XY	0.230	5.84	0.085	2.16	0.060	1.52	0.070	1.78	0.240	6.10	G TAIL	POLY BAGS/TUBES	7		
90305-XY	0.165	4.19	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	G TAIL	POLY BAGS/TUBES	7		
93150-XY	0.275	6.99	0.120	3.05	0.060	1.52	0.045	1.14	0.190	4.83	G TAIL	POLY BAGS	-		
93240-XY	0.338	8.59	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	G TAIL	POLY BAGS	-		
94048-XYH	0.380	9.65	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	G TAIL	POLY BAGS	-	NOTE 1,11	

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					0°±2'		.XXXX±.0020/.051		scale 1:1 	dwg no					sheet4 of 4		size
					dr	E. KROPIEWNICKI 7/31/96		69193							A3		
					engr	T. BREWBAKER 7/31/96											
					chr	. BREWBAKER 7/31/96											
					appd	. BREWBAKER 7/31/96							type		Product Customer Drawing		
sheet index		revision sheet															