

PRODUCT NUMBER

XXXX-YYHTLF

LEAD FREE OPTION
SEE NOTE 1,11

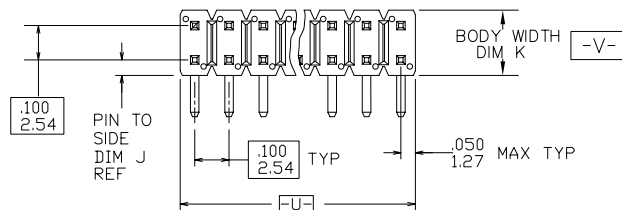
TUBE PACKAGING OPTION
SEE NOTE 1

HIGH TEMPERATURE PLASTIC
SEE NOTE 1

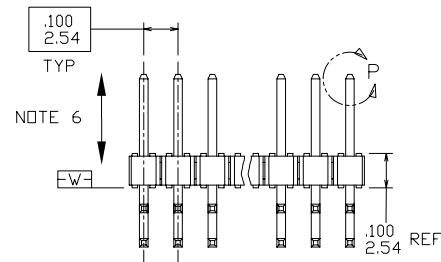
NO OF
POSITIONS
SEE NOTE 1

PIN PLATING
SEE SHEET 2

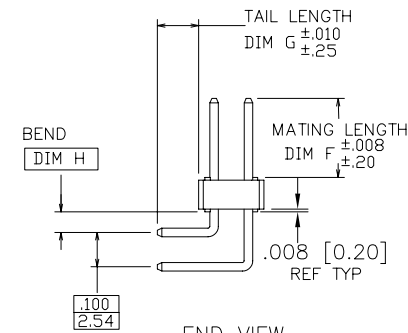
BASE PART NO.



TOP VIEW

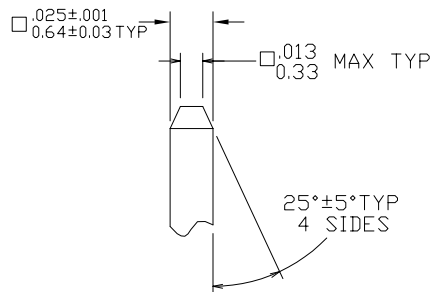


SIDE VIEW



END VIEW

⊕ ∅ .020/.51 (M) U (M) V (S) W
NOTE 4



DETAIL P
TYP BOTH ENDS

mat'l. code				surface		tolerance		projection		product family					
NOTES 2 & 3				ISO 1302 ✓		ISO 406 ISO 1101				BERGSTIK					
ltr	ecr	no	dr	date	tolerances unless otherwise specified				 INCH/MM scale 2:1	title					
AA	V71402	HTB		9/29/97	angles linear	.XX±.01/0.3				BERGSTIK® II HEADER					
AB	V20801	GIP		4/29/02		.XXX±.005/0.13				.100 DR R/A SELF-RET					
AC	M04-0234	MHT		12/29/04		.XXXX±.0020/0.05									
AD	M05-0072	MHT		5/03/05	dr	D. WITHERING	4/08/93			dwg no		sheet 1 of 4	size		
AE	M06-0269	MNR		7/17/06	enr	T. HANNA	4/08/93					69193		A3	
AF	M06-0346	MHT		9/04/06	chr	T. HANNA	4/08/93					type			Product Customer Drawing
				appd	T. HANNA	4/08/93									
sheet index		revision		AF	AF	AF	AF								
		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 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 (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:

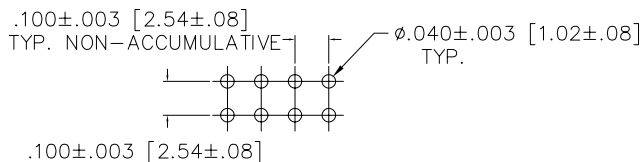
ADD "HLF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION, NOT AVAILABLE FOR -5YY, -5YYH, -6YY & -6YYH.

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.

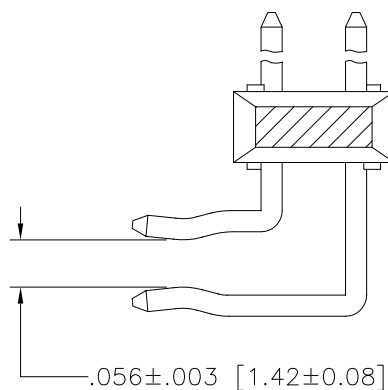
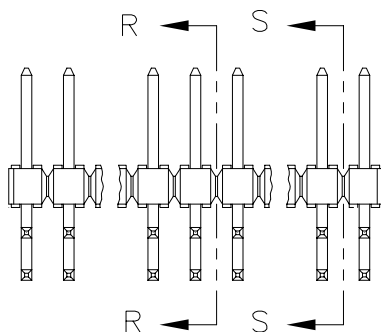
10. 5LB/2.3KG MAX INSERTION FORCE AND .25LB/.1KG MIN RETENTION FORCE PER RETENTIVE PIN USING .062/1.57 THICK CIRCUIT BOARDS AND RECOMMENDED HOLE PATTERN.

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

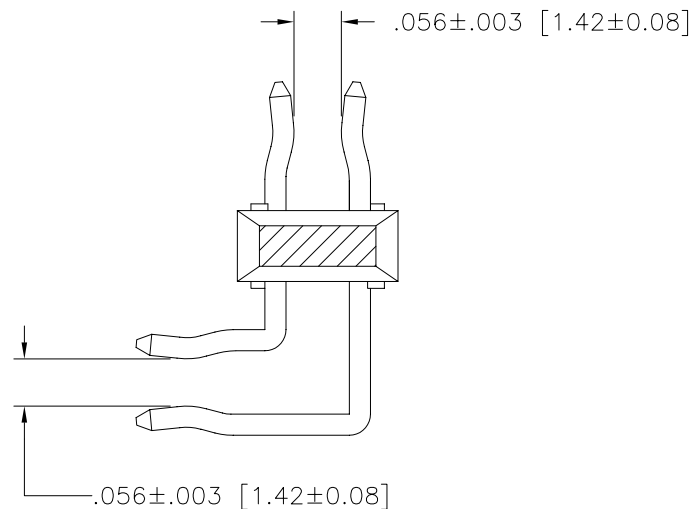
12. PLATING OPTIONS:
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

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		tolerance		projection		product family	
NOTES 2 & 3		ISO 1302 ✓		ISO 406		ISO 1101		BERGSTIK	
ltr	ecr	no	dr	date	tolerances unless otherwise specified		INCH/MM	title	
AF					angles	linear		BERGSTIK® II HEADER	
					0'±2'		.100 DR R/A SELF-RET		
							scale 2:1		
					dr	D. WITHING	4/08/93	dwg no	
					enr	T. HANNA	4/08/93	sheet 2 of 4	
					chr	T. HANNA	4/08/93	size	
					appd	T. HANNA	4/08/93	A3	
sheet	revision							type	
index	sheet							Product Customer Drawing	



SECTION R-R
NOTE 8



SECTION S-S
NOTE 9

mat'l. code NOTES 2 & 3				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family BERGSTIK
ltr	ecr	no	dr	date	tolerances unless otherwise specified	INCH/MM	title
AF					angles linear 0°±2°	scale 2:1	BERGSTIK® II HEADER .100 DR R/A SELF-RET
					dr D. WITHING 4/08/93		dwg no sheet 3 of 4 size
					enr T. HANNA 4/08/93		69193 A3
					chr T. HANNA 4/08/93		
					appd T. HANNA 4/08/93		
sheet index	revision sheet						type Product Customer Drawing

1				2				3				4				5				6	
PRODUCT NUMBER	MATING LENGTH		TAIL LENGTH		BEND DIM.		PIN TO SIDE		BODY WIDTH								LF OPTION				
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H	DIM J	DIM J	DIM K	DIM K	RETENTION										
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	LOCATION	PACKAGING	NOTES								
69193-XXY	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-XXY			N O T A V A I L A B L E																		
78276-XXY	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-XXY	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-XXY	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-XXY	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-XXY			N O T A V A I L A B L E																		
87845-XXY	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-XXY	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-XXY	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-XXY	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-XXYH	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							

mat'l. code				surface		tolerance		projection		product family					
NOTES 2 & 3				ISO 1302 ✓		ISO 406 ISO 1101				BERGSTIK					
ltr		ecn no		dr		date		tolerances unless otherwise specified		title					
AF								INCH/MM		BERGSTIK® II HEADER					
						angles		linear		.100 DR R/A SELF-RET					
										.XXX±.005/0.13					
						0°±2'				.XXXX±.0020/0.05					
								scale 2:1		dwg no					
						dr		D. WITHING		4/08/93		sheet 4 of 4		size	
						engr		T. HANNA		4/08/93		69193		A3	
						chr		T. HANNA		4/08/93		type			
						appd		T. HANNA		4/08/93		Product Customer Drawing			
sheet index		revision sheet													