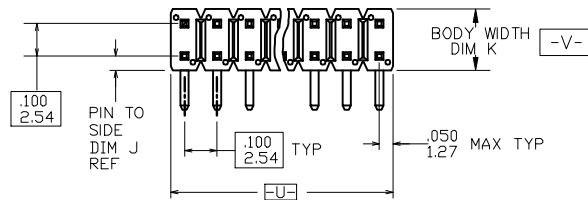
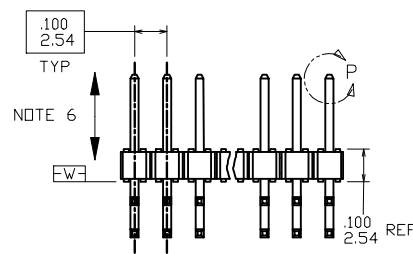


PRODUCT NUMBER
XXXXX-YYH TLF

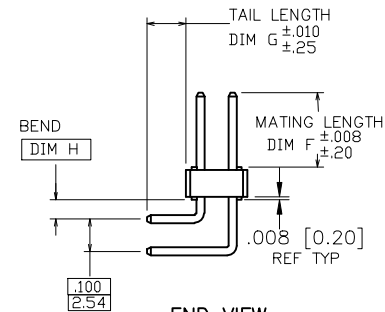
- LEAD FREE OPTION
SEE NOTE 1,11
- TUBE PACKAGING OPTION
SEE NOTE 1
- HIGH TEMPERATURE PLASTIC
SEE NOTE 1
- NO OF
POSITIONS
SEE NOTE 1
- PIN PLATING
SEE SHEET 2
- BASE PART NO.



TOP VIEW

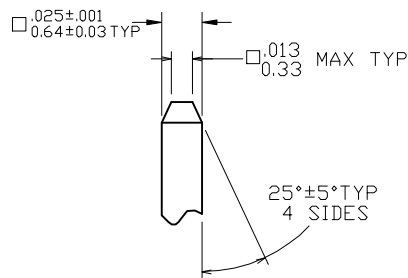


SIDE VIEW



END VIEW

⊕ ∅ .020/.51 (M) U (M) V (S) W
NOTE 4



DETAIL P
TYP BOTH ENDS

mat'l. code NOTES 2 & 3				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	
AA	v71402	HTB	9/29/97	angles	.XX±.01/.XX±0.3			
AB	v20801	GIP	4/29/02	linear	.XXX±.006/.XX±0.13		dwg no 69193	
AC	M04-0234	MHT	12/29/04	0'±2'	.XXX±.0020/.XXX±0.05		sheet 1 of 4	
AD	M05-0072	MHT	5/03/05	dr	D. WITHING		4/08/93	size A3
AE	M06-0269	MNR	7/17/06	engr	T. HANNA		4/08/93	type Product Customer Drawing
AF	M06-0346	MHT	9/04/06	chr	T. HANNA	4/08/93		
AG	M08-0291	MHT	10/06/08	appd	T. HANNA	4/08/93		
sheet	revision	AG	AG	AG	AG			
index	sheet	1	2	3	4			

PIN PLATING CODES:	
XXXXX-1YY	30u"/0.76u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXXX-2YY	15u"/0.38u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXXX-3YY	50u"/1.27u MIN Au OVER 50u"/1.27u MIN Ni
XXXXX-4YY	100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 13)
XXXXX-4YYHLF	
XXXXX-5YY	15u"/0.38u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXXX-6YY	30u"/0.76u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXXX-7YY	30u"/0.76u MIN Au OVER 50u"/1.27u MIN Ni
XXXXX-8YY	15u"/0.38u MIN Au OVER 50u"/1.27u MIN Ni
XXXXX-9YY	15u"/0.38u MIN GXT OVER 50u"/1.27u MIN Ni
XXXXX-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:

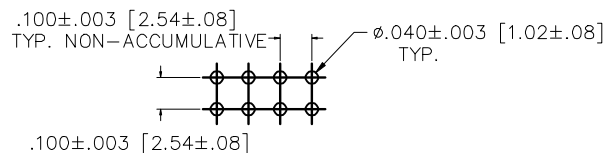
MANUFACTURER'S OPTION OF NYLON OR PCT, GLASS FIBER REINFORCED, FLAME RETARDENT PER UL-94V-0.

COLOR: BLACK OR MINERAL FILLED 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.

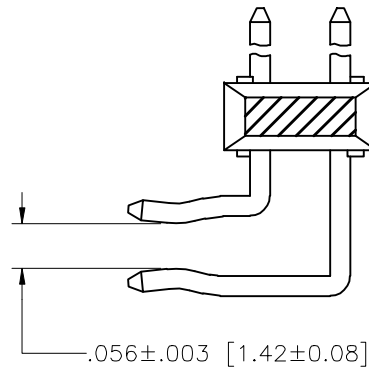
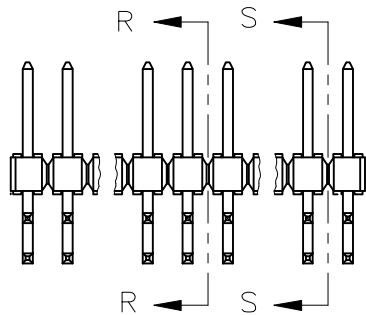
PART NUMBERS WITHOUT "H" SUFFIX WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR WAVE SOLDER PROCESS.

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 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.

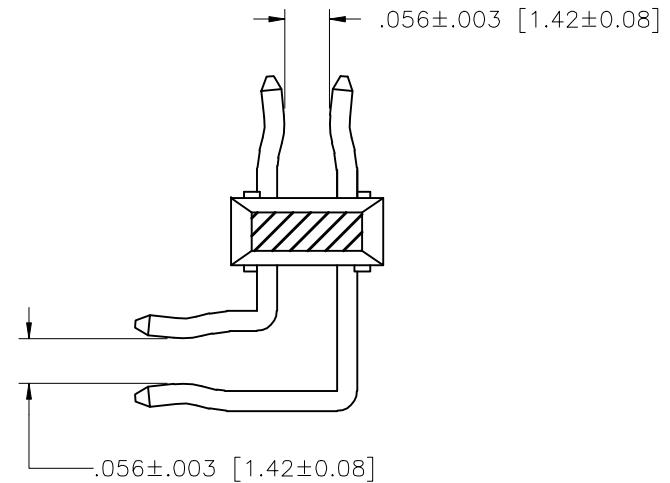


RECOMMENDED HOLE PATTERN

mat'l. code	surface	tolerance	projection	product family
NOTES 2 & 3	ISO 1302	ISO 406 ISO 1101		BERGSTIK
ltr	ecp no	dr	date	title
AG				BERGSTIK® II HEADER
	angles	linear	linear	.100 DR R/A SELF-RET
	0°±2'	.XX±.01/XX±0.3	.XXX±.006/XXX±0.13	scale 2:1
	dr	D. WITHING	4/08/93	dwg no
	engr	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		surface		tolerance		projection		product family	
NOTES 2 & 3		ISO 1302		ISO 406				BERGSTIK	
ltr	ecn no	dr	date	tolerances unless otherwise specified					
AG				linear		INCH/MM		title	
				.XX±.01/XX±0.3				BERGSTIK® II HEADER	
				.XXX±.005/XX±0.13		scale 2:1		.100 DR R/A SELF-RET	
				O'±2'				dwg no	
				XXX±.0020/XXX±0.05				sheet 3 of 4 size	
				dr	D. WITHING	4/08/93			A3
				enr	T. HANNA	4/08/93			69193
				chr	T. HANNA	4/08/93			type
				appd	T. HANNA	4/08/93			Product Customer Drawing
sheet	revision								
index	sheet								

PRODUCT NUMBER	MATING LENGTH		TAIL LENGTH		BEND DIM.		PIN TO SIDE		BODY WIDTH		RETENTION	PACKAGING	NOTES	LF OPTION
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H	DIM J	DIM J	DIM K	DIM K				
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	LOCATION			
69193-YYY	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-YYY	NOT AVAILABLE													
78276-YYY	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-YYY	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-YYY	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-YYY	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-YYY	NOT AVAILABLE													
87845-YYY	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-YYY	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-YYY	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-YYY	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-YYYH	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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mat'l. code NOTES 2 & 3				surface ISO 1302		tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK			
ltr	ecn no	dr	date	tolerances unless otherwise specified								title BERGSTIK® II HEADER .100 DR R/A SELF-RET	
AG				linear		.XX±.01/XX±0.3 .XXX±.006/XX±0.13 XXX±.0020/XXX±0.05		INCH/MM		scale 2:1		dwg no 69193	
				angles		0°±2'		scale 2:1		sheet 4 of 4		size A3	
				dr		D. WITHING 4/08/93				type Product Customer Drawing			
				engr		T. HANNA 4/08/93							
				chr		T. HANNA 4/08/93							
				appd		T. HANNA 4/08/93							
sheet	revision												
index	sheet												