

PRODUCT NUMBER

XXXXX-YYYH 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.

PRODUCT NUMBER

69190-XXXXX HALF

- LEAD FREE OPTION
SEE NOTE 1,11
- PACKAGING OPTION
SEE NOTE 1
- HIGH TEMPERATURE PLASTIC
SEE NOTE 1
- INDICATE DIFFERENT MATING LENGTH
AND TAIL LENGTH
- NO OF POSITIONS
SEE NOTE 1
- PIN PLATING
SEE SHEET 2
- BASE PART NO.

⌀ .020/.51 (M) U (M) V (S)

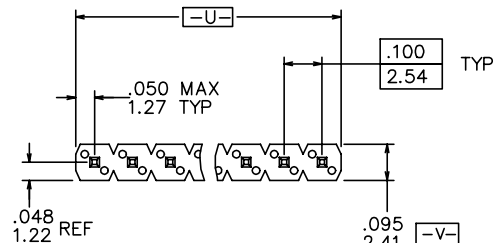
NOTE 4

□ .025±.001
□ .064±.03 TYP

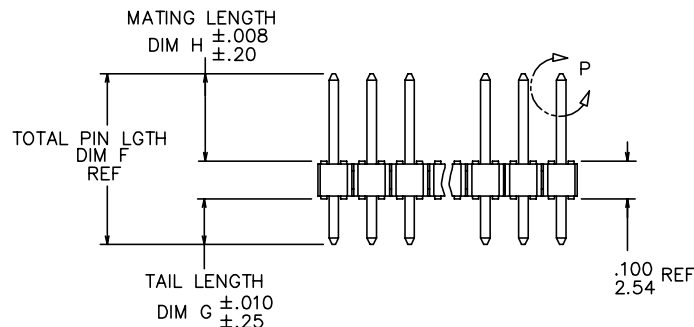
□ .013
□ 0.33 MAX TYP

25°±5° TYP
4 SIDES

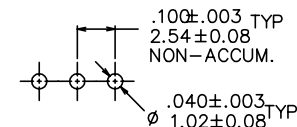
DETAIL P
TYP BOTH ENDS



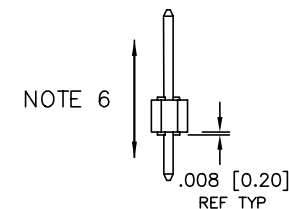
TOP VIEW



SIDE VIEW



RECOMMENDED HOLE PATTERN



END VIEW

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					
AM	ELX-N-13674	DCS	2012-12-12	angles	linear	$\text{XXX} \pm .01 / \text{XXX} \pm .3$				 INCH/MM					
AN	ELX-N-16105	ZK	2013-10-22			$\text{XXX} \pm .005 / \text{XXX} \pm .13$									
						$\text{XXX} \pm .0020 / \text{XXX} \pm .061$									
						0°±2°		scale 1:1		BERGSTIK® II HEADER .100/2.54 SR SELF-RET					
AH	M06-0269	MNR	7/17/06	dr	D. WHITING		4/19/93				dwg no		sheet 1 of 4		size
AJ	M06-0346	MHT	9/04/06	enr	T.HANNA		4/19/93				69190				A3
AK	M08-0291	MHT	10/06/08	chr	T. BREWBAKER		4/19/93								
AL	N11-0118	J.Z	2011-04-11	appd	T.HANNA		4/19/93								
sheet		revision		AN	AN	AN	AN					type		Product Customer Drawing	
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 (SEE NOTE 12) 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 (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXXX-8YY	15u"/0.38u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXXX-9YY	15u"/0.38u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXXX-0YY	30u"/0.76u MIN (SEE NOTE 12) 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.
EIGHT DIGIT PART NUMBERS FOLLOWED BY A "A" ARE PACKAGED IN TAPE AND REEL WITH PICKUP CAPS.
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癢 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癢 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. 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 MANUFACTURER'S 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:
PERFORMANCE PLATING WILL BE EITHER GOLD OR GXT ON POST OR TAIL, OPTIONALLY (78~295u"/2~7.5u) TIN ON TAIL.
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		tolerances unless otherwise specified		title			
AN								linear XX101/XX10.3 XXXX1005/XXXX10.13 XXXX10020/XXXX10.051		BERGSTIK II HEADER .100/2.54 SR SELF-RET			
								0°±2'		INCH/MM			
								dr		D. WHITING 4/19/93			
								enr		T.HANNA 4/19/93			
								chr		T. BREWBAKER 4/19/93			
								appd		T.HANNA 4/19/93			
sheet index		revision sheet								scale 1:1			
										FCCI			
										type Product Customer Drawing			

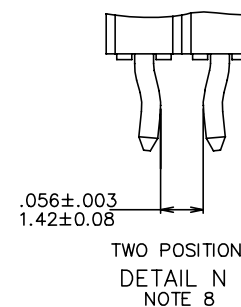
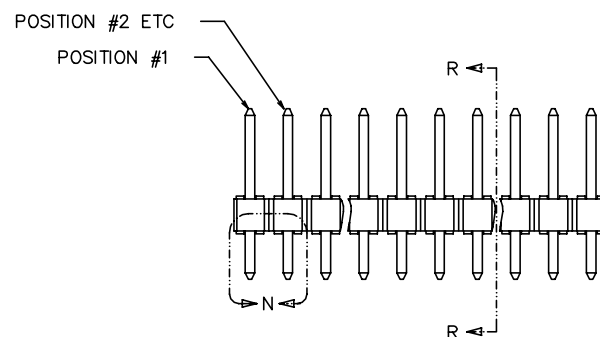
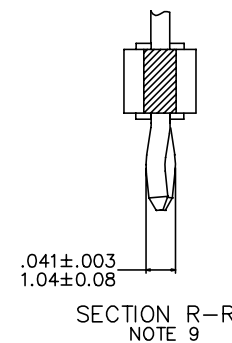
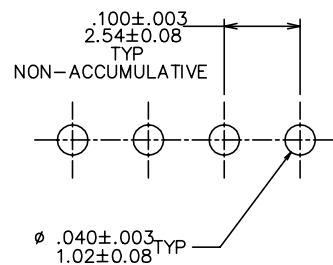
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

2 3

4

5

6



mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection  INCH/MM scale 1:1	product family BERGSTIK			
ltr	ecn	no	dr	date	tolerances unless otherwise specified				title BERGSTIK II HEADER .100/2.54 SR SELF-RET			
AN					angles	linear	.XX±.01/.XX±.03 .XXX±.005/.XXX±.013 .XXXX±.0020/.XXXX±.051		dwg no 69190			
					0°±2°				sheet 3 of 4 size A3			
					dr	D. WHITING	4/19/93		type Product Customer Drawing			
					enr	T.HANNA	4/19/93					
					chr	T. BREWBAKER	4/19/93					
					appd	T.HANNA	4/19/93					
sheet index	revision sheet											

