

PRODUCT NUMBER

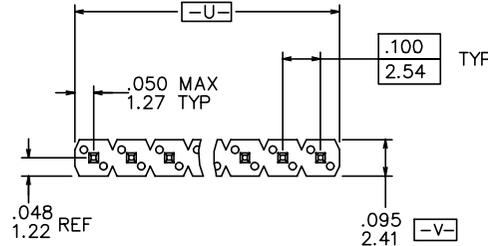
XXXXX-YYYHTLF

- 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.

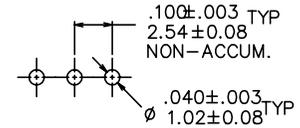
PRODUCT NUMBER

69190-YYYYXX HALF

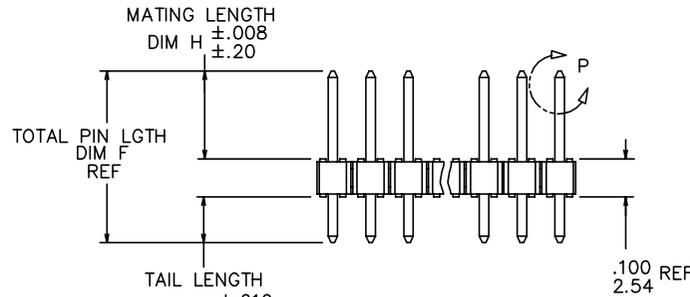
- LEAD FREE OPTION
SEE NOTE 1,11
- PACKAGING OPTION
SEE NOTE 1
- HIGH TEMPERATURE PLASTIC
SEE NOTE 1
- INDICATE DIFFERENT MATING LENGTH
AND TAIL LENGTH
- NO OF POSITIONS
SEE NOTE 1
- PIN PLATING
SEE SHEET 2
- BASE PART NO.



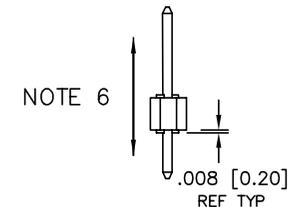
TOP VIEW



RECOMMENDED HOLE PATTERN



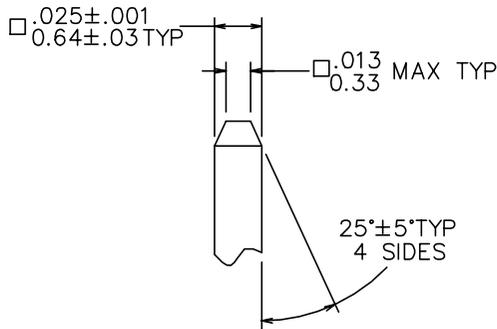
SIDE VIEW



END VIEW

⊕ ∅ .020/.51 (M) U (M) V (S)

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	ecn no	dr	date	tolerances unless otherwise specified						title	
AM	ELX-N-13674	DCS	2012-12-12	angles	linear	.XX±01/.XX±0.3		INCH/MM		BERGSTIK® II HEADER	
AN	ELX-N-16105	ZK	2013-10-22	0°±2'		.XXX±005/.XXX±0.13		scale 1:1		.100/2.54 SR SELF-RET	
						.XXX±0020/.XXX±0.051				dwg no	
AH	M06-0269	MNR	7/17/06	dr	D. WHITING	4/19/93				sheet 1 of 4 size	
AJ	M06-0346	MHT	9/04/06	enr	T.HANNA	4/19/93				69190	
AK	M08-0291	MHT	10/06/08	chr	T. BREWBAKER	4/19/93				A3	
AL	N11-0118	J.Z	2011-04-11	appd	T.HANNA	4/19/93				type Product Customer Drawing	
sheet	revision	AN	AN	AN	AN						
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 (SEE NOTE 12) 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 (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-8YY	15u"/0.38u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-9YY	15u"/0.38u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-0YY	30u"/0.76u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni

- PIN MATERIAL: PHOS-BRONZE.
- MEASURED WITH PART IN RESTRAINED CONDITION.
- TWO SIDES OF PIN TIPS NOT PLATED. TYPICAL BOTH ENDS.
- 2LBS/0.9KG MIN PIN RETENTION IN EITHER DIRECTION.
- $\pm 0.10/0.25$ TOL APPLIES TO ALL 'G' TAILS EXCEPT INDICATED PARTS ON TABLE WHERE $+0.10/0.25 -0.000/0.00$ APPLIES.
- DETAIL N DIMENSIONS APPLY TO 2 POSITION PARTS ONLY
- SECTION R-R DIMENSIONS ONLY APPLY TO RETENTION. PIN POSITIONS FOR 3 POSITION PARTS AND LARGER. RETENTION PIN POSITIONS LOCATED AT MANUFACTURER'S OPTION.
- 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.
- THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- PLATING OPTIONS:
PERFORMANCE PLATING WILL BE EITHER GOLD OR GXT ON POST OR TAIL, OPTIONALLY (78~295u"/2~7.5u) TIN ON TAIL.
- "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS."

NOTES

- 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.

- 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.

mat'l. code		surface ISO 1302 <input checked="" type="checkbox"/>		tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK	
ltr	ecn no	dr	date	tolerances unless otherwise specified		INCH/MM		title	
AN				angles	linear	.XX±01/.XX±0.3		BERGSTIK II HEADER	
				0°±2'		.XXX±005/.XXX±0.13		.100/2.54 SR SELF-RET	
						.XXX±0020/.XXX±0.051		scale 1:1	
		dr	D. WHITING		4/19/93			dwg no sheet 2 of 4 size	
		enr	T.HANNA		4/19/93			69190 A3	
		chr	T. BREWBAKER		4/19/93			type Product Customer Drawing	
		appd	T.HANNA		4/19/93				
sheet index	revision sheet								

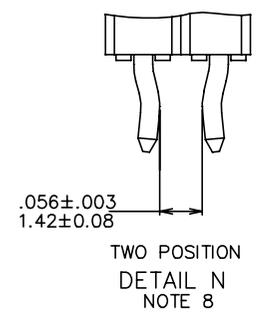
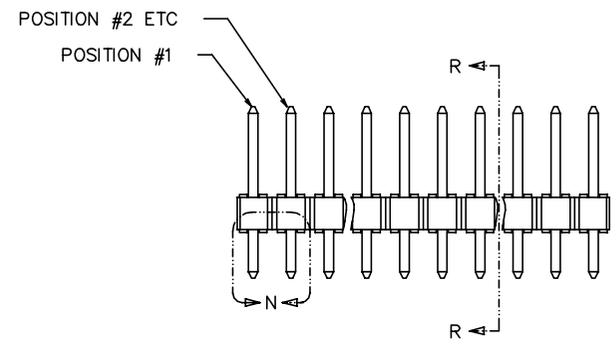
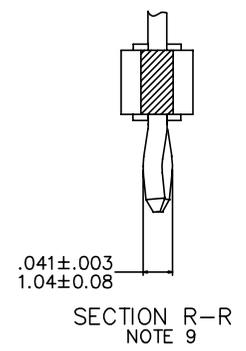
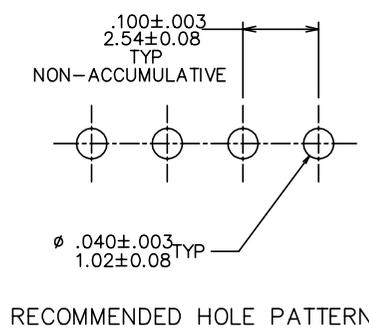
1

2 3

4

5

6



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ltr	ecn	no	dr	date		tolerances unless otherwise specified		title	
AN						angles	linear	INCH/MM	
						0°±2°		scale 1:1	
				dr	D. WHITING	4/19/93			dwg no
				enr	T.HANNA	4/19/93			sheet 3 of 4
				chr	T. BREWBAKER	4/19/93			size
				appd	T.HANNA	4/19/93			A3
sheet index		revision sheet						type Product Customer Drawing	

