

⊕ .020/.51 (M) U (M) V (S)

PRODUCT NUMBER 69190-XXXXX HALF

LEAD FREE OPTION
SEE NOTE 1,11

TUBE PACKAGING OPTION
SEE NOTE 1

HIGH TEMPERATURE PLASTIC
SEE NOTE 1

INDICATE DIFFERENT MATING LENGTH
AND TAIL LENGTH
SEE NOTE 1

PIN PLATING
SEE SHEET 2

NO OF POSITIONS
SEE NOTE 1

BASE PART NO.

PRODUCT NUMBER XXXXX-YYYH TLF

LEAD FREE OPTION
SEE NOTE 1,11

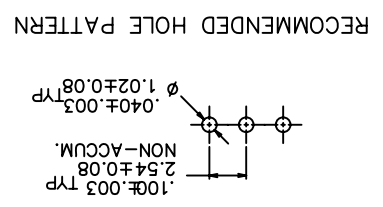
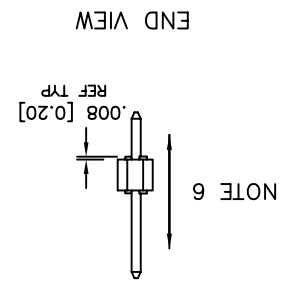
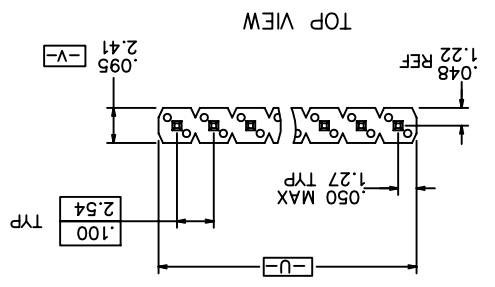
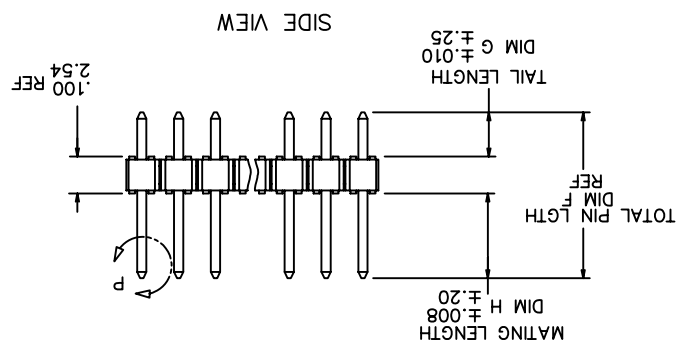
TUBE PACKAGING OPTION
SEE NOTE 1

HIGH TEMPERATURE PLASTIC
SEE NOTE 1

PIN PLATING
SEE SHEET 2

NO OF POSITIONS
SEE NOTE 1

BASE PART NO.



mat'l. code		NOTES 2 & 3		surface tolerance		ISO 1302		tolerance		ISO 406		projection		product family		BERGSTIK	
itr		ecn no		date		tolerances unless otherwise specified		inches		mm		title		BERGSTIK		BERGSTIK	
AM		ELX-N-13674		DCS		2012-12-12		.0010/.0013		.0010/.0013		INCH/MM		BERGSTIK® II HEADER		.100/2.54 SR SELF-RET	
AN		ELX-N-16106		ZK		2013-10-22		.0010/.0013		.0010/.0013		scale 1:1		type		Product Customer Drawing	
AP		ELX-N-19414		HJ		2014-11-13		.0010/.0013		.0010/.0013		dwg no		69190		sheet 1 of 4 size	
AJ		M06-0346		MHT		9/04/06		4/19/93		4/19/93		product family		BERGSTIK		sheet 1 of 4 size	
AK		M08-0291		MHT		10/06/08		4/19/93		4/19/93		product family		BERGSTIK		sheet 1 of 4 size	
AL		N11-0118		JZ		2011-04-11		4/19/93		4/19/93		product family		BERGSTIK		sheet 1 of 4 size	
sheet		revision		AP		index		sheet		1-4		type		Product Customer Drawing		sheet 1 of 4 size	

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-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? 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? PEAK TEMPERATURE FOR WAVE SOLDER PROCESS.

- 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.
- ±.010/0.25 TOL APPLIES TO ALL 'C' TAILS EXCEPT INDICATED PARTS ON TABLE WHERE +.010/0.25 - .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.

mat'l. code		ISO 1302	surface	tolerance	ISO 406	ISO 1101	projection	product family	BERGSTIK	
ltr	ecn no	dr	date	tolerances unless otherwise specified			projection	title	BERGSTIK	
ang	near	in	near	near	near	near	near	near	near	
0.±.2°	XXXXXX/XXXX.13	XXXXXX/XXXX.13	XXXXXX/XXXX.13	XXXXXX/XXXX.13	XXXXXX/XXXX.13	XXXXXX/XXXX.13	XXXXXX/XXXX.13	XXXXXX/XXXX.13	XXXXXX/XXXX.13	
scale 1:1	INCH/MM		projection		projection		projection		projection	
dwg no	69190		sheet 2 of 4 size		sheet 2 of 4 size		sheet 2 of 4 size		sheet 2 of 4 size	
type	Product Customer Drawing		type		Product Customer Drawing		type		Product Customer Drawing	



PRODUCT NUMBER	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H	DIM H	MATING LENGTH	TOTAL PIN LENGTH	TAIL LENGTH	LENGTH
69190-XYX	0.450	11.43	0.120	3.05	0.230	5.84	POLY BAGS/TUBES	NOTE 1,11			
72348-XYXH	0.515	13.08	0.120	3.05	0.295	7.49	POLY BAGS				
78229-XYX	0.538	13.67	0.120	3.05	0.318	8.08	POLY BAGS/TUBES				
78250-XYX											
78538-XYX	0.620	15.75	0.120	3.05	0.400	10.16	POLY BAGS				
78594-XYX	0.760	19.30	0.120	3.05	0.540	13.72	POLY BAGS				
79429-XYX	0.695	17.65	0.120	3.05	0.475	12.07	POLY BAGS				
79978-XYX	0.450	11.43	0.120	3.05	0.230	5.84	POLY BAGS/TUBES				
86505-XYX	0.440	11.18	0.120	3.05	0.220	5.59	POLY BAGS				
87036-XYX	0.830	21.08	0.120	3.05	0.610	15.49	POLY BAGS				
87068-XYX	0.530	13.46	0.115	2.92	0.315	8.00	POLY BAGS				
87280-XYX	1.000	25.40	0.120	3.05	0.780	19.81	POLY BAGS				
87452-XYX	0.840	21.34	0.120	3.05	0.620	15.75	POLY BAGS				
87453-XYX	0.990	25.15	0.120	3.05	0.770	19.56	POLY BAGS				
87918-XYX	0.730	18.54	0.120	3.05	0.510	12.95	POLY BAGS				
90603-XYX	0.430	10.92	0.100	2.54	0.230	5.84	POLY BAGS				
90610-XYX	0.927	23.55	0.100	2.54	0.727	18.47	POLY BAGS				
94549-XYXH	0.415	10.54	0.085	2.16	0.230	5.84	POLY BAGS				
69190-XYX02HLF	0.378	9.59	0.120	3.05	0.157	4.00	POLY BAGS/TUBES				
69190-XYX01HLF	0.425	10.80	0.095	2.41	0.230	5.84	POLY BAGS				

NOTE 1,11

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NOTE 1,11

mat'l. code		surface		tolerance		ISO 1302		ISO 406		ISO 1101	
litr		ecn no		dr		date		tolerances unless otherwise specified		XXMM/XXJ3	
angles		inclin		0.±2°		XXMM/XXJ3		XXMM/XXJ3		XXMM/XXJ3	
scale 1:1		dwg no		sheet no		revision		sheet		index	
product family		BERGSTIK		projection		FCI		type		Product Customer Drawing	
title		BERGSTIK II HEADER		.100/2.54 SR SELF-RET		A3		sheet 4 of 4 size		69190	

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