

PRODUCT NUMBER

XXXXX-YYYHTLF

LEAD FREE OPTION
SEE NOTE 1,10

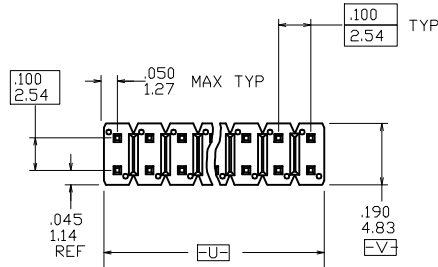
TUBE PACKAGING OPTION
SEE NOTE 1

HIGH TEMPERATURE PLASTIC
SEE NOTE 1

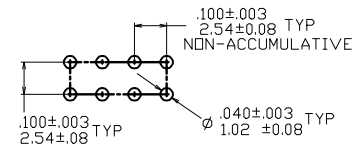
NO OF
POSITIONS
SEE NOTE 1

PIN PLATING
SEE SHEET 2

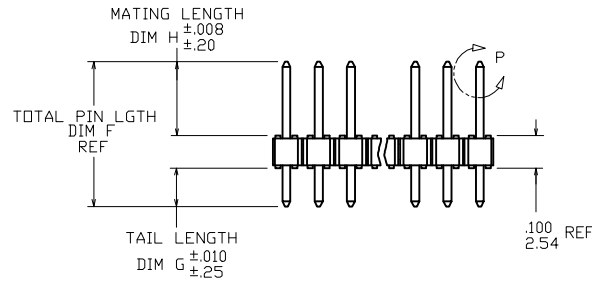
BASE PART NO.



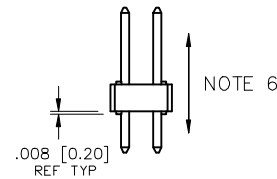
TOP VIEW



RECOMMENDED HOLE PATTERN



SIDE VIEW



END VIEW

⊕ ∅ .020/.51 (M) U (M) V (S)

NOTE 4



DETAIL P
TYP BOTH ENDS

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mat'l. code				surface		tolerance		projection		product family	
NOTES 2 & 3				ISO 406		ISO 1101				BERGSTIK	
ltr	ecn no	dr	date	tolerances unless otherwise specified							
AG	V20801	GIP	4/29/02	angles	.XX±.01/.X±0.3				title		
AH	M04-0234	MHT	12/29/05	linear	.XXX±.006/.XX±0.13				BERGSTIK® II HEADER		
AJ	M05-0072	MHT	5/03/05	0'±2'	.XXX±.0020/.XXX±0.05		scale 2:1		.100/2.54 DR SELF-RET		
AK	M06-0269	MNR	7/17/06	dr	T. BREWBAKER 7/29/94				dwg no		
AL	M06-0346	MHT	9/04/06	engr	T. HANNA 7/29/94		sheet 1 of 4		size		
AM	M08-0291	MHT	10/06/08	chr	J. MURPHY 7/29/94		69192		A3		
				appd	T. HANNA 7/29/94		type		Product Customer Drawing		
sheet	revision	AM	AM	AM	AM	AM					
index	sheet	A	2	3	4						

PIN PLATING CODES:	
XXXX-1YY	30u"/0.76u MIN (SEE NOTE 11) OVER 50u"/1.27u MIN Ni
XXXX-2YY	15u"/0.38u MIN (SEE NOTE 11) 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 12)
XXXX-4YYHLF	
XXXX-5YY	15u"/0.38u MIN (SEE NOTE 11) OVER 50u"/1.27u MIN Ni
XXXX-6YY	30u"/0.76u MIN (SEE NOTE 11) 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.

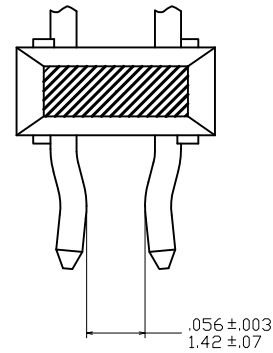
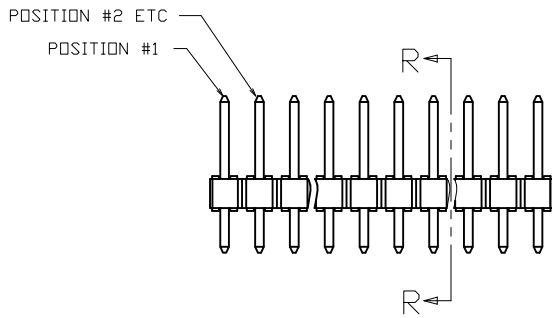
COLOR: BLACK. OR MINERAL FILLED LCP, COLOR BLACK FLAME RETARDANT PER UL-94V-0

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.

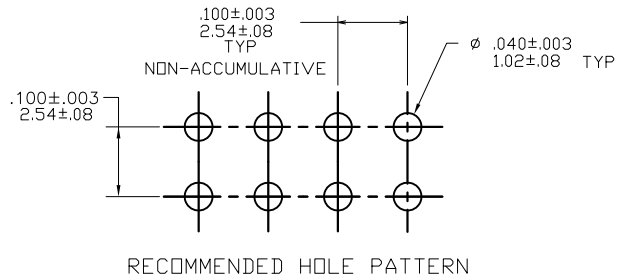
PART NUMBERS WITHOUT "H" SUFFIX WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR WAVE SOLDER PROCESS.

- 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 TO RETENTION PIN POSITIONS ONLY LOCATED AT MANUFACTURES OPTION.
- 9. 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.
- ⑩. THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- ⑪. PLATING OPTIONS: MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.
- ⑫. "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 1902		ISO 406		ISO 1101		BERGSTIK	
ltr	ec'n no	dr	date	tolerances unless otherwise specified				title	
AM				angles	linear	.XX±.01/XX±0.3		BERGSTIK® II HEADER	
				0'±2'		.XXX±.006/XX±0.13		.100/2.54 DR SELF-RET	
						.XXX±.0020/XXX±0.051		scale 2:1	
		dr	T. BREWBAKER	7/29/94			dwg no		
		engr	T. HANNA	7/29/94			sheet 2 of 4		
		chr	J. MURPHY	7/29/94			size		
		appd	T. HANNA	7/29/94			A3		
sheet	revision	type Product Customer Drawing							
index	sheet								



SECTION R-R
NOTE 8



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
AM				angles	linear	scale 2:1	.100/2.54 DR SELF-RET
				0°±2°	.XX±.01/XX±0.3 .XXX±.005/XX±0.13 .XXXX±.0020/XXX±0.051		dwg no 69192
				dr	T. BREWBAKER	7/29/94	sheet 3 of 4 size A3
				enr	T. HANNA	7/29/94	type Product Customer Drawing
				chr	J. MURPHY	7/29/94	
				appd	T. HANNA	7/29/94	
sheet	revision						
index	sheet						

PRODUCT NUMBER	TOTAL PIN LENGTH		TAIL LENGTH		MATING LENGTH		PACKAGING	NOTES	LF OPTION
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H			
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC			
69192-XYX	0.450	11.43	0.120	3.05	0.230	5.84	POLY BAGS/TUBES		NOTE 1,10
78252-XYX		U N A V		A I L A B L E					
78548-XYX	0.538	13.67	0.120	3.05	0.318	8.08	POLY BAGS		
78577-XYX	0.650	16.51	0.120	3.05	0.430	10.92	POLY BAGS		
79214-XYX	0.620	15.75	0.120	3.05	0.400	10.16	POLY BAGS		
79979-XYX	0.450	11.43	0.120	3.05	0.230	5.84	POLY BAGS/TUBES	7	
86380-XYX	0.470	11.94	0.120	3.05	0.250	6.35	POLY BAGS		
86584-XYX	0.760	19.30	0.120	3.05	0.540	13.72	POLY BAGS		
87444-XYX	1.090	27.69	0.125	3.18	0.865	21.97	POLY BAGS		
87456-XYX	0.840	21.34	0.120	3.05	0.620	15.75	POLY BAGS		
87457-XYX	0.990	25.15	0.120	3.05	0.770	19.56	POLY BAGS		
87837-XYX	0.585	14.86	0.120	3.05	0.365	9.27	POLY BAGS		
87920-XYX	0.830	21.08	0.120	3.05	0.610	15.49	POLY BAGS		
88526-XYX	1.340	34.04	0.120	3.05	1.120	28.45	POLY BAGS		
88714-XYX	0.640	16.26	0.120	3.05	0.420	10.67	POLY BAGS		
89580-XYX	0.930	23.62	0.120	3.05	0.710	18.03	POLY BAGS		
90824-XYX	0.420	10.67	0.120	3.05	0.200	5.08	POLY BAGS		
94654-XYXH	0.415	10.54	0.085	2.16	0.230	5.84	POLY BAGS		
95066-XYXH	1.240	31.50	0.120	3.05	1.020	25.91	POLY BAGS		
95654-XYXH	0.880	22.35	0.120	3.05	0.660	16.76	POLY BAGS		
98845-XYXH	0.572	14.54	0.120	3.00	0.354	9.00	POLY BAGS/TUBES		
10002463-XYXH	0.503	12.78	0.085	2.16	0.318	8.08	POLY BAGS	---	NOTE 1,10



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mat'l. code		surface		tolerance		projection		product family	
NOTES 2 & 3		ISO 1302		ISO 406		1st angle		BERGSTIK	
ltr	ecn no	dr	date	tolerances unless otherwise specified				title	
AM				linear	.XX±.01/XX±0.3	INCH/MM		BERGSTIK® II HEADER	
				angles	.XXX±.006/XX±0.13	scale 2:1		.100/2.54 DR SELF-RET	
				0'±2'	.XXX±.0020/XXX±0.05			dwg no	
				dr	T. BREWBAKER	7/29/94	FCJ		sheet 4 of 4 size
				engr	T. HANNA	7/29/94			A3
				chr	J. MURPHY	7/29/94			
				appd	T. HANNA	7/29/94			
sheet	revision		type						
index	sheet	Product Customer Drawing							

form A3