

PRODUCT NUMBER

XXXXX-YYYH TLF

LEAD FREE OPTION
SEE NOTE 1,11

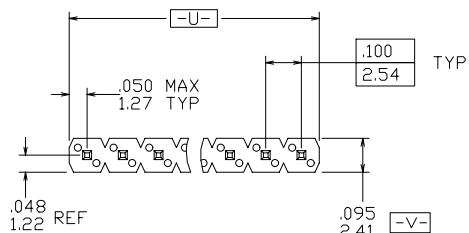
TUBE PACKAGING OPTION
SEE NOTE 1

HIGH TEMPERATURE PLASTIC
SEE NOTE 1

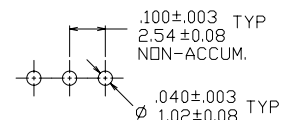
NO. OF
POSITIONS
SEE NOTE 1

PIN PLATING
SEE SHEET 2

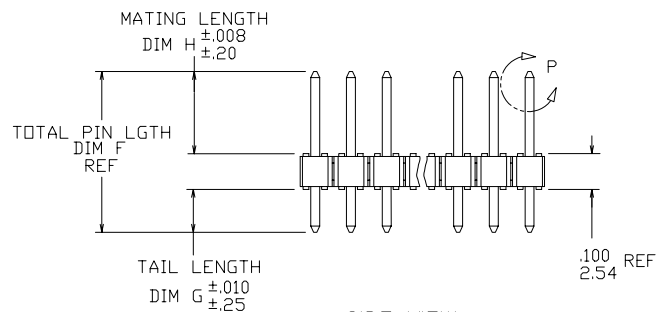
BASE PART NO.



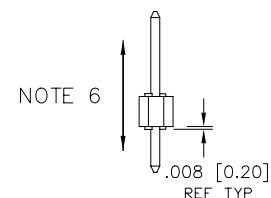
TOP VIEW



RECOMMENDED HOLE PATTERN



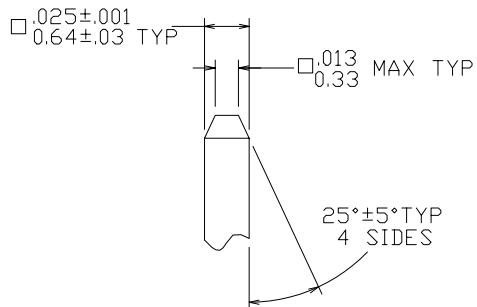
SIDE VIEW



END VIEW

⊕ ∅ .020/.51 (M) U (M) V (S)

NOTE 4



DETAIL P
TYP BOTH ENDS

mat'l. code NOTES 2 & 3				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family BERGSTIK
ltr	ecr	no	dr	date	tolerances unless otherwise specified	scale 2:1	title
AB	V61332	HTB	9/11/96	angles	.XX±.01/.3		BERGSTIK® II HEADER
AC	V70890	HTB	5/04/97	linear	.XXX±.005/.13		.100 SR SELF-RET
AD	V71402	HTB	9/25/97	0'±2'	.XXXX±.0020/.051		
AE	V20790	GIP	4/24/02	dr	D. WHITING	FCI	dwg no
AF	M04-0234	MHT	12/19/04	enrg	T. HANNA		sheet 1 of 4 size
AG	M05-0072	MHT	5/03/05	chr	T. BREWBAKER		69190 A3
AH	M06-0269	MNR	7/17/06	appd	T. HANNA		type Product Customer Drawing
sheet	revision	AH	AH	AH	AH		
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	TIN LEAD OPTION	120u"/3.05u MIN 93/7 SnPb OVER 50u"/1.27u MIN Ni
	LF OPTION	100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 1,13)
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 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 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.

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.

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. 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:
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."

mat'l. code				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family BERGSTIK
ltr	ecn	no	dr	date	tolerances unless otherwise specified	 INCH/MM scale 2:1	title BERGSTIK® II HEADER .100 SR SELF-RET
AH					angles linear .XX±.01/.3		dwg no 69190 sheet 2 of 4 size A3
					0'±2' .XXX±.005/.13		
					.XXX±.0020/.051		
				dr	E. KROPIEWICKI 7/31/95		type Product Customer Drawing
				enr	T. BREWBAKER 7/31/95		
				chr	T. BREWBAKER 7/31/95		
				app	T. BREWBAKER 7/31/95		
sheet index	revision sheet						

1

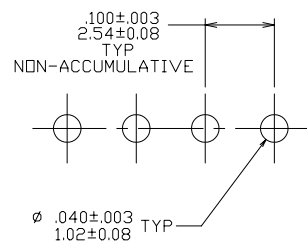
2 3

4

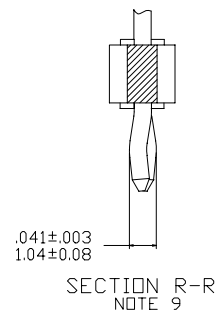
5

6

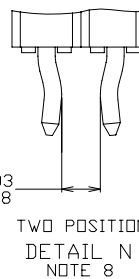
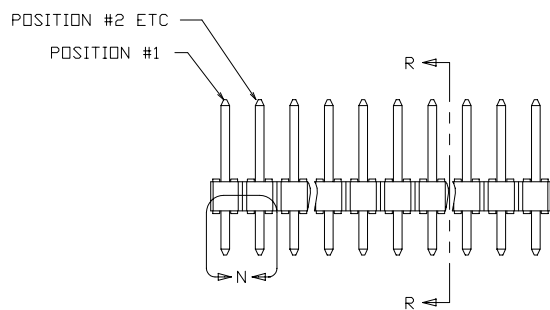
A



RECOMMENDED HOLE PATTERN



A



B

C

C

mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101	projection INCH/MM	product family BERGSTIK			
ltr	ecn	no	dr	date	tolerances unless otherwise specified		scale 2:1	title BERGSTIK® II HEADER .100 SR SELF-RET			
AH					angles	linear		<div>FCJ</div>			
					0°±2'						
					dr	E. KROPIEWNICKI	7/31/95	dwg no			
					enr	T. BREWBAKER	7/31/95	sheet 3 of 4 size			
					chr	T. BREWBAKER	7/31/95	69190 A3			
					app	T. BREWBAKER	7/31/95	type Product Customer Drawing			
sheet	revision										
index	sheet										

D

1

2

3

4

5

6



FCIconnect.com

Copyright FCI

form: A3

PRODUCT NUMBER	TOTAL PIN LENGTH		TAIL LENGTH		MATING LENGTH		PACKAGING	NOTE	LF OPTION
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H			
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC			
69190-YYY	0.450	11.43	0.120	3.05	0.230	5.84	POLY BAGS/TUBES	—	NOTE 1,11 ↓
72348-YYYH	0.515	13.08	0.120	3.05	0.295	7.49	POLY BAGS	—	
78229-YYY	0.538	13.67	0.120	3.05	0.318	8.08	POLY BAGS/TUBES	—	
78250-YYY	U N A V		A I L A B L E					—	
78538-YYY	0.620	15.75	0.120	3.05	0.400	10.16	POLY BAGS	—	
78594-YYY	0.760	19.30	0.120	3.05	0.540	13.72	POLY BAGS	—	
79429-YYY	0.695	17.65	0.120	3.05	0.475	12.07	POLY BAGS	—	
79978-YYY	0.450	11.43	0.120	3.05	0.230	5.84	POLY BAGS/TUBES	7	
86505-YYY	0.440	11.18	0.120	3.05	0.220	5.59	POLY BAGS	—	
87036-YYY	0.830	21.08	0.120	3.05	0.610	15.49	POLY BAGS	—	
87068-YYY	0.530	13.46	0.115	2.92	0.315	8.00	POLY BAGS	—	
87280-YYY	1.000	25.40	0.120	3.05	0.780	19.81	POLY BAGS	—	
87452-YYY	0.840	21.34	0.120	3.05	0.620	15.75	POLY BAGS	—	
87453-YYY	0.990	25.15	0.120	3.05	0.770	19.56	POLY BAGS	—	
87918-YYY	0.730	18.54	0.120	3.05	0.510	12.95	POLY BAGS	—	
90603-YYY	0.430	10.92	0.100	2.54	0.230	5.84	POLY BAGS	—	
90610-YYY	0.927	23.55	0.100	2.54	0.727	18.47	POLY BAGS	—	
94549-YYYH	0.415	10.54	0.085	2.16	0.230	5.84	POLY BAGS	—	
									NOTE 1,11

mat'l. code				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101	projection 	product family BERGSTIK			
ltr	ecn	no	dr	date	tolerances unless otherwise specified		 INCH/MM scale 2:1	title BERGSTIK® II HEADER .100 SR SELF-RET			
AH					angles	linear		dwg no 69190 sheet 4 of 4 size A3			
					0'±2'						
					dr	E. KROPIEWICKI	7/31/95				
					enr	T. BREWBAKER	7/31/95				
					chr	T. BREWBAKER	7/31/95				
					app	T. BREWBAKER	7/31/95				
sheet index	revision sheet										

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[FCI / Amphenol:](#)

[87452-106HLF](#) [87452-108HLF](#)