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PRODUCT NUMBER
XXXXX-YYY HTLF

- LEAD FREE OPTION (SEE NOTE 9, 10)
- TUBE PACKAGING OPTION (SEE NOTE 7)
- HIGH TEMPERATURE PLASTIC (SEE NOTE 1)
- NO. OF POSITIONS OER ROW (SEE NOTE 3)
- PIN PLATING (SEE SHEET 2)
- BASE PART NO. (SEE SHEET 3)

⌀ .020/.51 (M) U (M) V (S)

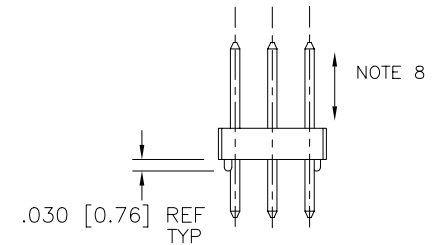
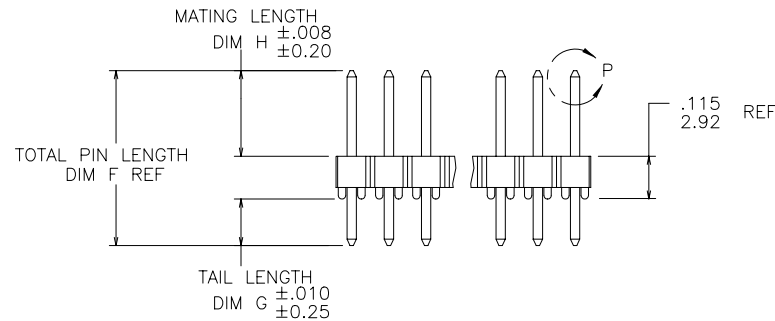
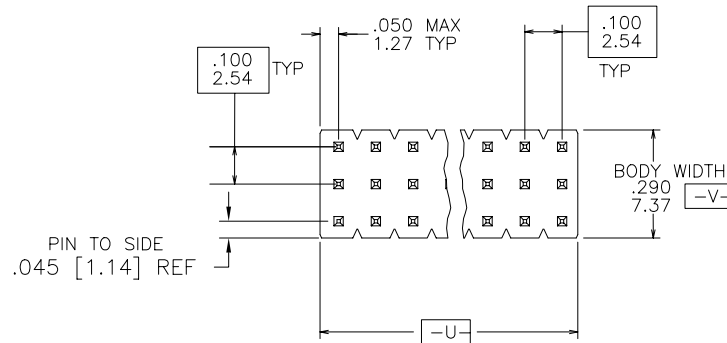
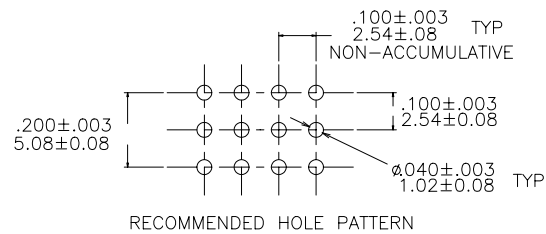
□ .025 ±.001
0.64 ±.03
TYP

NOTE 4

□ .013
0.33 MAX TYP

25°±5° TYP
4 SIDES

SCALE 5:1
DETAIL P
TYP BOTH ENDS



mat'l. code SEE NOTES 1 & 2				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family BERGSTIK
ltr	ecn	no	dr	date	tolerances unless otherwise specified	scale 1:1	title
U	V70863	HTB		9/29/97	angles linear .XX±.01/.3		BERGSTIK® II HEADER
V	V71402	HTB		9/29/97	.XXX±.005/.13		.100/2.54CC TRIPLE ROW
W	V80947	HTB		6/05/98	.XXXX±.0020/.051		dwg no
X	V90546	EPK	2/16/99	dr	T. BREWBAKER	8/08/94	sheet 1 of 3 size
Y	V20805	GIP	7/11/02	enr	T. HANNA	8/08/94	A3
AA	M05-0175	ERE	8/10/05	chr	J. MURPHY	8/08/94	
AB	M06-0269	MNR	7/17/06	appd	T. HANNA	8/08/94	
sheet	revision	AB	AB	AB			type Product Customer Drawing
index	sheet	1	2	3			

1

2 3

4

5

6

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
	LEAD FREE OPTION	100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 9, 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	

NOTES

- ① BODY MATERIAL: PCT, GLASS FIBER REINFORCED, FLAME RETARDANT PER UL-94V-0.
COLOR: BLACK.
FOR HIGH TEMPERATURE APPLICATIONS, SPECIFY AN "H" AT THE END OF THE PART NUMBER TO INDICATE HIGH TEMPERATURE PLASTIC IS SUPPLIED.
- ② PIN MATERIAL: PHOS. BRONZE.
- ③ NUMBER OF POSITIONS PER ROW FROM 3 (3X3) THROUGH 36 (3X36).
- ④ MEASURED WITH PART IN RESTRAINED CONDITION.
5. TWO SIDES OF PIN TIPS NOT PLATED, TYPICAL (BOTH ENDS).
6. PACKAGED IN POLYBAGS.
- ⑦ EIGHT DIGIT P/N'S FOLLOWED BY "T" ARE PACKAGED IN TUBES. SEE SPECIFIC PART NUMBERS FOR AVAILABILITY.
- ⑧ 2 Lbs/0.9 Kg MIN PIN RETENTION IN EITHER DIRECTION.
- ⑨ PART NUMBERS WITH "HLF" SUFFIX AT THE END ARE LEAD FREE.
- ⑩ THESE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
11. 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.
- 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		tolerance	projection	product family	
-				ISO 1302 ✓		ISO 406 ISO 1101		BERGSTIK	
ltr	ecr	no	dr	date	tolerances unless otherwise specified		 INCH/MM scale 1:1 	title	
AB					angles	linear		BERGSTIK® II HEADER	
						.XX±.01/.3		.100/2.54CC TRIPLE ROW	
					0'±2'	.XXX±.005/.13 .XXXX±.0020/.051		dwg no	
					dr	T. BREWBAKER	8/08/94	sheet 2 of 3 size	
					enfr	T. HANNA	8/08/94	68702	
					chr	J. MURPHY	8/08/94	A3	
					appd	T. HANNA	8/08/94	type Product Customer Drawing	
sheet	revision								
index	sheet								

form: A3

1

2

3

4

5

6



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PRODUCT NO. NOTE 9	TOTAL PIN LGTH		TAIL LENGTH		MATING LENGTH		PACKAGING
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H	
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	
68702-YYY	0.465	11.81	0.120	3.05	0.230	5.84	POLY BAGS/TUBES
69164-YYY		U	N A V	A I L A	B L E		
78535-YYY	0.553	14.05	0.120	3.05	0.318	8.08	POLY BAGS/TUBES
78536-YYY	0.495	12.57	0.150	3.81	0.230	5.84	POLY BAGS/TUBES
78537-YYY	0.440	11.18	0.095	2.41	0.230	5.84	POLY BAGS/TUBES
84600-YYYH	0.415	10.54	0.130	3.30	0.170	4.32	POLY BAGS
84977-YYYH	0.730	18.54	0.400	10.16	0.230	5.84	POLY BAGS
86807-YYY		U	N A V	A I L A	B L E		
86881-YYY		U	N A V	A I L A	B L E		
91278-YYY		U	N A V	A I L A	B L E		
95660-YYYH	0.615	15.62	0.250	6.35	0.250	6.35	POLY BAGS
68702-YYYHLF	0.465	11.81	0.120	3.05	0.230	5.84	POLY BAGS/TUBES
69164-YYYHLF		U	N A V	A I L A	B L E		
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ltr ecn no dr date					tolerances unless otherwise specified				title						
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					chr	J. MURPHY		8/08/94							
					appd	T. HANNA		8/08/94			type		Product Customer Drawing		
sheet index		revision sheet													

form: A3