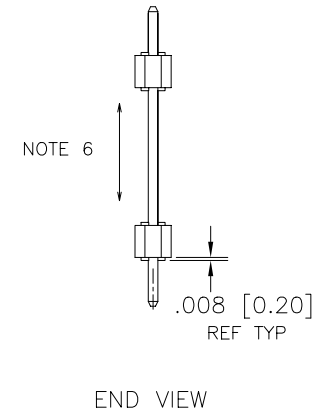
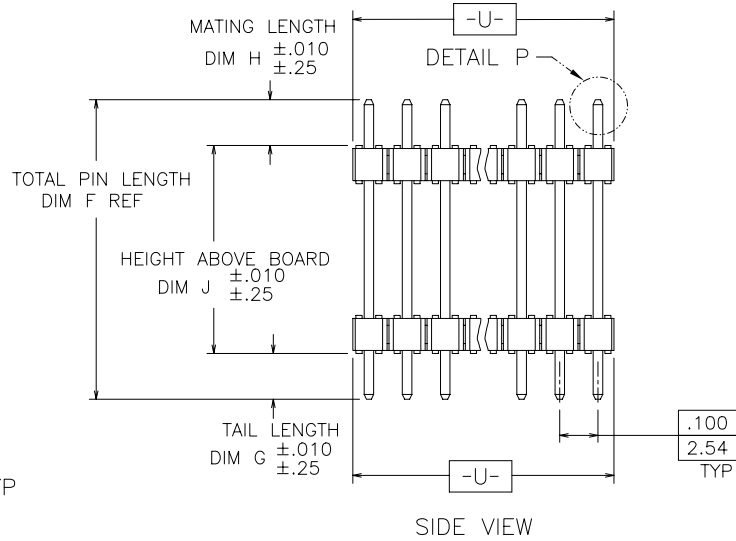
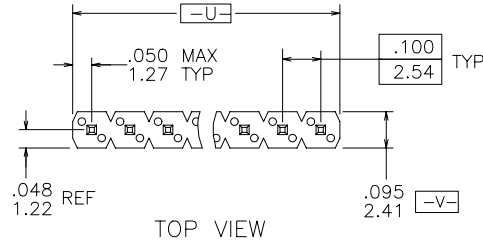


PRODUCT NUMBER

XXXXX-YYY HLF

- LEAD FREE OPTION
SEE NOTE 1,11
- HIGH TEMPERATURE PLASTIC
SEE NOTE 1
- NO OF POSITIONS
SEE NOTE 1
- PIN PLATING
SEE SHEET 2
- BASE PART NO.



⊕ ∅ .020/.51 (M) U (M) V (S)

□ .025±.001
0.64±.03 TYP

□ .013
0.33 MAX TYP

25°±5° TYP
4 SIDES

DETAIL P
TYP BOTH ENDS

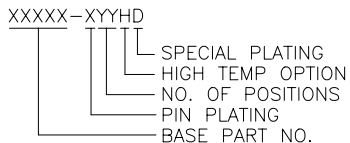
mat'l. code NOTE 2 & 3		surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection ⊕	product family BERGSTIK
ltr	ecn	no	dr	date	tolerances unless otherwise specified
V	v71403	HTB	10/02/97		angles
W	v81367	HTB	7/31/98		linear
X	v81404	HTB	8/12/98		σ±2'
Y	v82031	EPK	11/11/98	dr	T. BREWBAKER 4/22/94
AA	v20792	GIP	4/25/02	engr	T. HANNA 4/22/94
AB	M05-0027	MHT	4/21/05	chr	J. MURPHY 4/22/94
AC	M06-0270	AEA	7/14/06	appd	T. HANNA 4/22/94
sheet	revision	AC	AC	AC	AC
index	sheet	1	2	3	4



title	BERGSTIK® II HEADER
scale	2:1
dwg no	86504
sheet 1 of 4 size	A3
type	Product Customer Drawing

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 Au OVER 50u"/1.27u MIN Ni
XXXX-4YY	
XXXX-4YHLF	100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 1,13)
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 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

- 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. 'D' SUFFIX INDICATES TIN-LEAD DIPPED PLATING OVER STANDARD PLATING ON 'G' DIM TAIL SIDE ONLY.



SOLDER COATING SHOULD BE TIN-LEAD IN ACCORDANCE WITH MIL-P-81728. COATING SHOULD BE SMOOTH, FINE GRAINED, AND CONTINUOUS, AND FREE OF BLISTERS, PITS, NODULES OR EXCESSIVE BUILD-UP. FLUX RESIDUES OR OTHER STAINS, MECHANICAL DAMAGE, UNCOATED OR DEWETTED AREAS (WITH THE EXCEPTION OF TWO TRIMMED SIDES OF PIN TIP) RESIDUAL SALTS, OR OTHER DEFECTS.

COATING SHOULD COVER ALL OF DIMENSION "G" AT A MINIMUM BUT SHOULD NOT EXTEND ABOVE THE PLASTIC HOUSING.

COATING SHOULD PASS SOLDERABILITY PER BUS-19-002 WITH PRETREATMENT.

THERE SHOULD BE NO SIGNS OF HEAT DEFORMATION OF THE PLASTIC. PIN TO HOUSING RETENTION SHOULD BE .5 LBS. MINIMUM.

NOTES

①. PART NUMBER OPTIONS:

PIN PLATING CODES (SEE ABOVE)

HIGH TEMPERATURE MATERIAL:

FOR HIGH-TEMPERATURE APPLICATIONS, SPECIFY AN "H" AT THE END OF THE PART NUMBER, AND PCT WILL BE SUPPLIED.

NUMBER OF POSITIONS :

ANY NUMBER OF POSITIONS FROM 3 THRU 36.

PACKAGING:

PACKAGED IN POLY BAGS.

LEAD FREE:

ADD "HLF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION, NOT AVAILABLE FOR -5YY, -5YH, -6YY & -6YH

②. BODY MATERIAL:

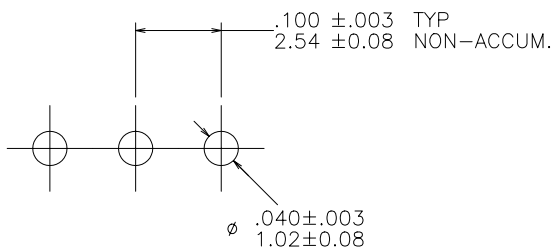
BODY MATERIAL : MANUFACTURER'S OPTION OF NYLON OR PCT, GLASS FIBER REINFORCED, FLAME RETARDANT PER UL-94V-0. COLOR: BLACK

BERGSTRIPTM PRODUCED WITH HIGH TEMPERATURE LCP THERMOPLASTIC, FLAME RETARDANT 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.

- ⑧. SPECIAL 2 POSITION PART NUMBER FOR MOTOROLA ONLY. SEE DETAIL "N".
- ⑨. SECTION R-R DIMENSIONS APPLY TO SPECIFIED ENDS OF RETENTION PIN POSITIONS ONLY. SEE PRODUCT PART NUMBER FOR SINGLE OR DUAL SIDE RETENTION. LOCATED AT MANUFACTURES 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."



SINGLE ROW RECOMMENDED HOLE PATTERN

mat'l. code		surface	tolerance	projection	product family
-		ISO 1302	ISO 406	INCH/MM	BERGSTIK
		✓	ISO 1101		
ltr	ecn no dr	date		title	
AC				BERGSTIK® II HEADER	
		angles	.xx ±.01/.3	.100 SR SELF-RT. RR	
		linear	.xxx ±.005/.13	scale 1:1	
		σ±z'	.xxx ±.0020/.051	dwg no	
		dr	T. BREWBAKER 8/05/94	sheet 2 of 4 size	
		enr	T. HANNA 8/05/94	86504 A3	
		chr	J. MURPHY 8/05/94	type	
		appd	T. HANNA 8/05/94	Product Customer Drawing	
sheet index	revision sheet				



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A

A

B

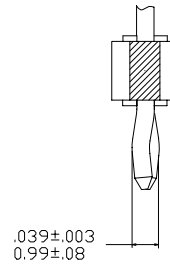
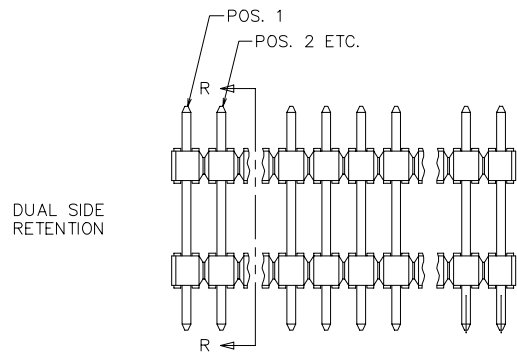
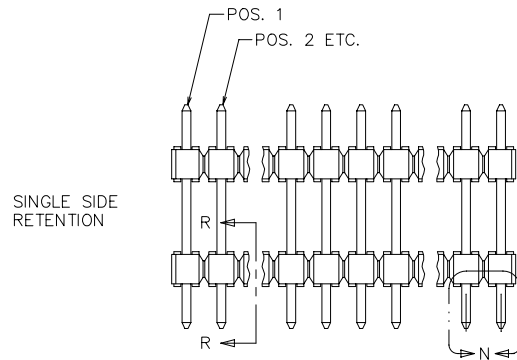
B

C

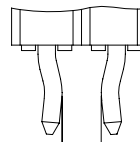
C

D

D



SECTION R-R
NOTE 9



TWO POSITION
DETAIL N
NOTE 8

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	title	
AC					angles	linear	.xx ±.01/.3 .xxx ±.005/.13 .xxxx ±.0020/.051		BERGSTIK® II HEADER .100 SR SELF-RT. RR	
					dr	E. KROPIEWNICKI	7/31/96	scale 1:1	dwg no	sheet 3 of 4 size
					enr	T. BREWBAKER	7/31/96	FCJ	86504 A3	
					chr	T. BREWBAKER	7/31/96		type Product Customer Drawing	
					app	T. BREWBAKER	7/31/96			
sheet index	revision sheet									

form: A3

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PRODUCT NUMBER	TOT. PIN LGTH.		TAIL LENGTH		MATING LENGTH		HEIGHT ABOVE BOARD		RETENTION LOCATION	NOTES	LF OPTION
	DIM F ENGLISH	DIM F METRIC	DIM G ENGLISH	DIM G METRIC	DIM H ENGLISH	DIM H METRIC	DIM J ENGLISH	DIM J METRIC			
71279-YYYH	0.574	14.58	0.120	3.05	0.230	5.84	0.224	5.69	G TAIL	-	NOTE 1,11
72374-YYYH	0.490	12.45	0.120	3.05	0.120	3.05	0.250	6.35	G TAIL	-	
84719-YYYH	0.650	16.51	0.120	3.05	0.210	5.33	0.320	8.13	G TAIL	-	
84868-YYYH	0.740	18.80	0.120	3.05	0.240	6.10	0.380	9.65	G TAIL	-	
84869-YYYH	0.700	17.78	0.120	3.05	0.240	6.10	0.340	8.64	G TAIL	NOTE 10	
86504-XXY	0.440	11.18	0.120	3.05	0.120	3.05	0.200	5.08	G TAIL	-	
87038-XXY	0.830	21.08	0.120	3.05	0.300	7.62	0.410	10.41	G TAIL	-	
87067-XXY	0.535	13.59	0.120	3.05	0.115	2.92	0.300	7.62	G TAIL	-	
87231-XXY	1.000	25.40	0.120	3.05	0.300	7.62	0.580	14.73	G TAIL	-	
87446-XXY	0.840	21.34	0.120	3.05	0.120	3.05	0.600	15.24	G TAIL	-	
87447-XXY	0.990	25.15	0.120	3.05	0.120	3.05	0.750	19.05	G TAIL	-	
87917-XXY	0.730	18.54	0.120	3.05	0.250	6.35	0.360	9.14	G TAIL	-	
89695-XXY	0.940	23.88	0.120	3.05	0.280	7.11	0.540	13.72	G TAIL	-	
90228-XXY	1.450	36.83	0.120	3.05	0.450	11.43	0.880	22.35	G TAIL	-	
93967-102	0.813	20.65	0.120	3.05	0.318	8.08	0.375	9.53	G TAIL	NOTE 8	
94510-YYYH	0.822	20.88	0.120	3.05	0.112	2.84	0.590	14.99	G TAIL	-	
94619-YYYH	0.820	20.83	0.120	3.05	0.400	10.16	0.300	7.62	G TAIL	-	
95179-YYYH	0.640	16.26	0.120	3.05	0.110	2.79	0.410	10.41	G TAIL	-	
95611-YYYH	0.500	12.70	0.120	3.05	0.110	2.79	0.270	6.86	G TAIL	-	



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mat'l. code		surface		tolerance		projection		product family	
-		ISO 1302 ✓		ISO 406 ISO 1101				BERGSTIK	
ltr		ecn no dr		date		tolerances unless otherwise specified		title	
AC						.xx ±.01/.3 .xxx ±.005/.13 .xxxx ±.0020/.051		BERGSTIK® II HEADER .100 SR SELF-RT. RR	
						INCH/MM scale 1:1		dwg no sheet 4 of 4 size	
								86504 A3	
						dr T. BREWBAKER 7/31/96 engr T. BREWBAKER 7/31/96 chr E. KROPIEWICKI 7/31/96 appd T. BREWBAKER 7/31/96		type Product Customer Drawing	
sheet index		revision sheet							

form: A3 1 2 3 4 5 6