

PRODUCT NUMBER

XXXXX-YYY HTLF

LEAD FREE OPTION
SEE NOTE 1,8

TUBE PACKAGING OPTION
SEE NOTE 1

HIGH TEMPERATURE PLASTIC
SEE NOTE 1

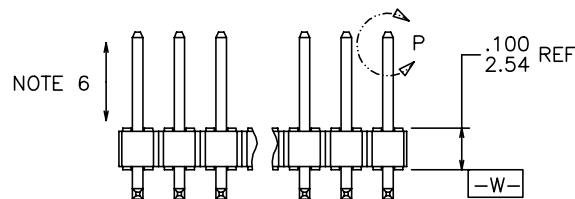
NO OF
POSITIONS
SEE NOTE 1

PIN PLATING
SEE SHEET 2

BASE PART NO.



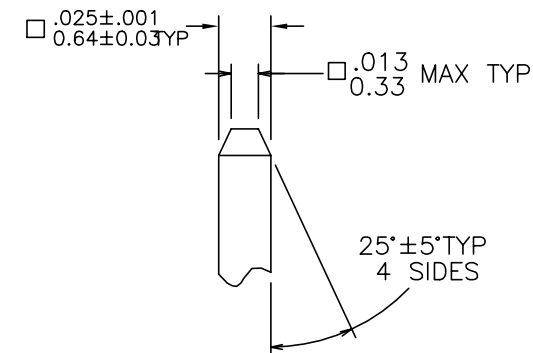
TOP VIEW



SIDE VIEW

$\phi .020/0.51 \text{ (M)} \text{ U (M)} \text{ V (S)} \text{ W}$

NOTE 4



DETAIL P
TYP BOTH ENDS



END VIEW

68015-X XX-XXX XXX LF

TAIL LENGTH (EXAMPLE BELOW)
3.0mm=030 12.8mm=128 (SEE NOTE 11 & 12)

MATING LENGTH (EXAMPLE BELOW)
5.0mm=050 25.5mm=255 (SEE NOTE 11 & 12)

TOTAL NUMBER OF POSITION
FROM 1 THRU 36 POS. (SEE NOTE 1)

PIN PLATING (SEE NOTE 13)
1=0.76µm Au
4= PURE TIN
8=0.36µm Au

BASE PART NO.
SINGLE ROW RIGHT ANGLE

mat'l. code SEE NOTES 2 & 3		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection INCH/MM		product family BERGSTIK	
ltr ecn no dr		date		tolerances unless otherwise specified		title		BERGSTIK® II HEADER	
BB	ELX-N-16105	ZK	10/22/13	angles	linear	XX±.01/XX±0.3	scale 2:1		.100/2.54cc SR R/A
BC	ELX-N-16356	ZK	11/25/13	0°±2°		XXX±.005/XXX±0.13 XXXX±.0020/XXXX±0.051			
AV	M08-0169	MHT	6/16/08	dr	T.BREWBAKER	01/31/95	FCI		dwg no 68015 sheet 1 of 4 size A3
AW	M08-0267	MHT	9/25/08	engr	T.HANNA	01/31/95			
AX	M08-0331	MHT	12/01/08	chr	T.HANNA	01/31/95			
BA	N11-0118	J.Z	04/11/11	appd	T.HANNA	01/31/95			
sheet	revisio	BC	BC	BC	BC		type Product Customer Drawing		
index	sheet	1	2	3	4				

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PIN PLATING CODES:	
XXXX-1YY	30u"/0.76u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni
XXXX-2YY	15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni
XXXX-3YY	50u"/1.27u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni
XXXX-4YY	100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 10)
XXXX-4YYHLF	
XXXX-5YY	15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni
XXXX-6YY	30u"/0.76u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni
XXXX-7YY	30u"/0.76u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni
XXXX-8YY	15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni
XXXX-9YY	15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni
XXXX-0YY	30u"/0.76u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni

NOTES

1. PART NUMBER OPTIONS:

PIN PLATING CODES (SEE ABOVE)

HIGH TEMP. MATERIAL:

PART NUMBERS WITH AND WITHOUT "H" WILL BE SUPPLIED WITH HIGH TEMPERATURE PLASTIC.

NUMBER OF POSITION:

ANY NUMBER OF POSITIONS FROM 1 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, OR LCP MINERAL FIBER FLAME RETARDANT PER UL-94V-0. COLOR: BLACK.

PART NUMBERS WITH AND WITHOUT "H" SUFFIX WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN WAVE SOLDER, INFRA-RED OR VAPOR PHASE 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. MILITARY BERGSTIK HEADER
P/N XXXXX-YYY-MIL
NOT AVAILABLE.

8. THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.

9. PLATING OPTIONS:

PERFORMANCE PLATING WILL BE EITHER GOLD OR GXT ON POST OR TAIL, OPTIONALLY (78~295u"/2~7.5u) TIN ON TAIL.

10. THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS."

11. THE DAL DON'T EXCEED 31mm
DAL= MATTING DIM+4.0mm<31mm WHERE THE SUM OF TAIL AND MATTING LENGTH DON'T EXCEED 27mm

12. INCREMENTS BY 0.1mm IN LENGTHS ONLY

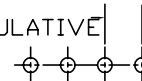
13. FOR SPECIAL PACKAGING REQUEST PLEASE CONTACT PRODUCT MANAGER FOR AVAILABILITY

14. BEND DIMENSIONS AT 1.5mm ONLY

15. TO DETERMINE DIMENSIONS:
N=NUMBER OF POSITION PER ROW
EXAMPLE: 10 POS. N X .100/2.54

.100±.003 [2.54±.08]
TYP. NON-ACCUMULATIVE

Ø.040±.003 [1.02±.08]
TYP.



RECOMMENDED HOLE PATTERN

mat'l. code SEE NOTES 2 & 3		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection INCH/MM		product family BERGSTIK	
ltr/ecn no		date		tolerances unless otherwise specified		title		BERGSTIK® II HEADER	
BC				angles 0°±2'		line XX±.01/XX±.03 XXX±.005/XXX±.013 XXXX±.0020/XXXX±.051		scale 2:1	
				dr T.BREWBAKER 01/31/95		dwg no		sheet 2 of 4	
				enrg T.HANNA 01/31/95		68015		A3	
				chr T.HANNA 01/31/95		type		Product Customer Drawing	
				appd T.HANNA 01/31/95					
sheet index		revision sheet							

1

2 3

4

5

6

PRODUCT NUMBER	MATING LENGTH		TAIL LENGTH		BEND DIM		PACKAGING	LF OPTION
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H		
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC		
68015-YYY	0.230	5.84	0.090	2.29	0.060	1.52	POLY BAGS/TUBES	NOTE 1,8
68016-YYY	0.230	5.84	0.120	3.05	0.060	1.52	POLY BAGS/TUBES	
68023-YYY	0.135	3.43	0.305	7.75	0.135	3.43	POLY BAGS	
68417-YYY	0.230	5.84	0.390	9.91	0.060	1.52	POLY BAGS	
68423-YYY	0.318	8.08	0.120	3.05	0.060	1.52	POLY BAGS/TUBES	
68458-YYY	0.318	8.08	0.110	2.79	0.060	1.52	POLY BAGS	
68461-YYY	0.400	10.16	0.320	8.13	0.260	6.60	POLY BAGS	OB
68468-YYY	0.230	5.84	0.195	4.95	0.160	4.06	POLY BAGS	
68488-YYY	0.230	5.84	0.180	4.57	0.060	1.52	POLY BAGS	
68494-YYY	0.400	10.16	0.110	2.79	0.060	1.52	POLY BAGS	
68498-YYY	0.230	5.84	0.220	5.59	0.160	4.06	POLY BAGS	
68626-YYY	0.230	5.84	0.295	7.49	0.060	1.52	POLY BAGS	
68627-YYY	0.120	3.05	0.185	4.70	0.150	3.81	POLY BAGS	OB
68628-YYY	0.230	5.84	0.590	14.99	0.060	1.52	POLY BAGS	
68641-YYY	0.230	5.84	0.490	12.45	0.060	1.52	POLY BAGS	
68660-YYY	0.110	2.79	0.230	5.84	0.135	3.43	POLY BAGS	
68694-YYY	0.600	15.24	0.120	3.05	0.060	1.52	POLY BAGS	
68757-YYY	0.350	8.89	0.220	5.59	0.100	2.54	POLY BAGS	
68758-YYY	0.275	6.99	0.120	3.05	0.060	1.52	POLY BAGS	OB
68764-YYY	0.100	2.54	0.120	3.05	0.060	1.52	POLY BAGS	
68782-YYY	0.318	8.08	0.180	4.57	0.060	1.52	POLY BAGS	
68798-YYY	0.110	2.79	0.230	5.84	0.160	4.06	POLY BAGS	
69189-YYY	0.310	7.87	0.250	6.35	0.060	1.52	POLY BAGS	
71270-YYY	0.600	15.24	0.189	4.80	0.060	1.52	POLY BAGS	
72342-YYY	0.120	3.05	0.250	6.35	0.060	1.52	POLY BAGS	OB
78230-YYY	0.310	7.87	0.330	8.38	0.060	1.52	POLY BAGS	
78231-YYY	0.310	7.87	0.290	7.37	0.060	1.52	POLY BAGS	

mat'l. code SEE NOTES 2 & 3		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK	
ltr/ecn nodr		date		tolerances unless otherwise specified				title	
BC				angles		linear		INCH/MM	
				0°±2°		XXX±.01/XX±0.3 XXX±.005/XX±0.13 XXX±.0020/XXX±0.051		scale 2:1	
				dr		T.BREWBAKER 01/31/95		dwg no	
				engr		T.HANNA 01/31/95		sheet 3 of 4	
				chr		T.HANNA 01/31/95		size	
				appd		T.HANNA 01/31/95		A3	
sheet index		revision sheet						type Product Customer Drawing	

PRODUCT NUMBER	MATING LENGTH		TAIL LENGTH		BEND DIM				
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H	PACKAGING		LF
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC			OPTION
78234-XXY	0.230	5.84	0.140	3.56	0.160	4.06	POLY BAGS		OB
78541-XXY	0.318	8.08	0.080	2.03	0.060	1.52	POLY BAGS		OB
78587-XXX			UNAVAILABLE						
78938-XXY	0.120	3.05	0.120	3.05	0.060	1.52	POLY BAGS		NOTE 1,8
78955-XXY	0.075	1.91	0.090	2.29	0.060	1.52	POLY BAGS		OB
78978-XXY	0.120	3.05	0.318	8.08	0.135	3.43	POLY BAGS		OB
79409-XXY			UNAVAILABLE						
84846-XXYH	0.140	3.56	0.290	7.37	0.153	3.89	POLY BAGS		OB
84917-XXYH	0.090	2.29	0.195	4.95	0.190	4.83	POLY BAGS		OB
84935-XXYH	0.450	11.43	0.320	8.13	0.260	6.60	POLY BAGS		OB
84936-XXYH	0.350	8.89	0.120	3.05	0.060	1.52	POLY BAGS		OB
87532-XXYH	0.230	5.84	0.890	22.61	0.060	1.52	POLY BAGS		OB
88813-XXY	0.230	5.84	0.085	2.16	0.060	1.52	POLY BAGS		OB
92050-XXY	0.162	4.11	0.120	3.05	0.060	1.52	POLY BAGS		OB
92632-XXY	0.100	2.54	0.318	8.08	0.060	1.52	POLY BAGS		OB
92909-XXY	0.400	10.16	0.220	5.59	0.060	1.52	POLY BAGS		OB
94099-XXY	0.157	3.99	0.090	2.29	0.060	1.52	POLY BAGS		OB
94529-XXYH	0.120	3.05	0.295	7.49	0.135	3.43	POLY BAGS		OB
94671-XXYH	0.090	2.29	0.085	2.16	0.180	4.57	POLY BAGS		OB
95653-XXYH	0.330	8.38	0.310	7.87	0.160	4.06	POLY BAGS		OB
95666-XXYH	0.230	5.84	0.145	3.68	0.060	1.52	POLY BAGS		OB
10089061-XXY	0.125	3.18	0.318	8.08	0.135	3.43	POLY BAGS		OB

mat'l. code SEE NOTES 2 & 3		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK	
ltr ecn nodr		date		tolerances unless otherwise specified				title	
BC				angles	linear	$XX \pm .01 / XX \pm .03$	INCH/MM	BERGSTIK® II HEADER .100/2.54cc SR R/A	
				0° ± 2'		$XXX \pm .005 / XXX \pm .013$ $XXXX \pm .002 / XXX \pm .051$			
				dr	T.BREWBAKER	01/31/95	FCI 	dwg no	
				engr	T.HANNA	01/31/95		sheet 4 of 4	
				chr	T.HANNA	01/31/95		68015	
				appd	T.HANNA	01/31/95		A3	
sheet	revision							type Product Customer Drawing	
index	sheet								