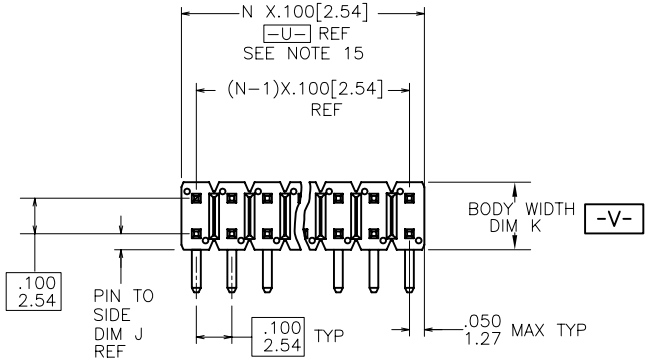
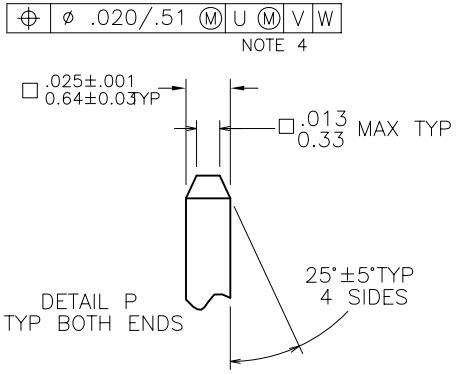
PRODUCT NUMBER

XXXXX–XYY HTLF

- XXXXX – BASE PART NO.
- YY – NO OF POSITIONS SEE NOTE 1
- X – PIN PLATING SEE SHEET 2
- H – HIGH TEMPERATURE PLASTIC SEE NOTE 1
- T – TUBE PACKAGING OPTION SEE NOTE 1
- LF – LEAD FREE OPTION SEE NOTE 1,8

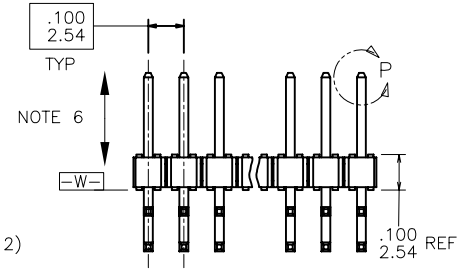


TOP VIEW

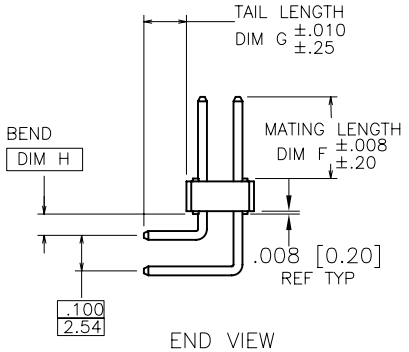


68020–X XX–XXX XXX LF

- X – PIN PLATING (SEE NOTE 9)
  1=0.76µm Au
  4= PURE TIN
  8=0.36µm Au
- XX – TOTAL NUMBER OF POSITION FROM 2(2X1) THRU 72 (2X36) POSITIONS
- XXX – MATTING LENGTH (EXAMPLE BELOW)
  5.0mm=050 25.5mm=255 (SEE NOTE 11 & 12)
- XXX – TAIL LENGTH (EXAMPLE BELOW)
  3.0mm=030 12.8mm=128 (SEE NOTE 11 & 12)
- 68020 – BASE PART NO.



SIDE VIEW



END VIEW

rev	ecn no	dr	date
BK	ELX-N-16105	ZK	2013-10-22
BL	ELX-N-19718	J.H	2014-12-11
BM	ELX-N-20595	J.H	2015-03-30
BG	M08-0331	MHT	12/01/08
BH	M09-0105	MHT	7/10/09
BJ	N11-0118	J.Z	2011-04-12

www.fciconnect.com

surface 6.4 ISO 1302 | tolerance std ISO 406 ISO 1101 | projection | INCH/MM

TOLERANCES UNLESS OTHERWISE SPECIFIED

Dr	D.WIHTING	03/08/93
Eng	T.HANNA	03/08/93
Chr	T.BREWNAKER	03/08/93
Appr	T.HANNA	03/08/93

ANGULAR: 0° ±2°

LINEAR: 0.X ±0.3 | 0.XX ±0.15 | 0.XXX ±0.05

size A4 | Scale 1.000

ECN

Product family BERGSTIK | Spec ref

title: BERGSTIK® II HEADER .100/2.54cc DR R/A

dwg no: 68020 | Rev. BM

catalog no | Product-Customer Drw | sheet 1 of 5

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PIN PLATING CODES:	
XXXXX-1YY	30u"/0.76u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni
XXXXX-2YY	15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni
XXXXX-3YY	50u"/1.27u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni
XXXXX-4YY	100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 10)
XXXXX-4YYHLF	
XXXXX-5YY	15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni
XXXXX-6YY	30u"/0.76u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni
XXXXX-7YY	30u"/0.76u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni
XXXXX-8YY	15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni
XXXXX-9YY	15u"/0.38u MIN (SEE NOTE 9) OVER 50u"/1.27u MIN Ni
XXXXX-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:
   EVEN 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, PCT GLASS FIBER REINFORCED, OR MINERAL FILLED LCP FLAME RETARDENT 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-XYY-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."

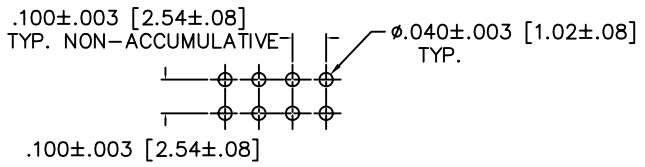
11. THE OAL DON'T EXCEED 31mm
    OAL= MATTING DIM + TAIL DIM +4.0mm<=31mm "WHERE THE SUM OF TAIL LEGTH DON'T EXCEED 27mm" TAIL
    TAIL LENGTH MIN 2.00mm TAIL LENGTH MAX 10.4mm
    MATTING LENGTH MIN 1.5mm MATTING LENGTH MAX 25.4mm

12. INCREMENTS BY 0.1mm IN LENGTH ONLY

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

14. BEND DIMENSION AT 1.5mm ONLY

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



RECOMMENDED HOLE PATTERN

www.fciconnect.com			surface ISO 1302		tolerance std ISO 406 ISO 1101		projection	INCH/MM
			TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	D.WIHTING	03/08/93	ANGULAR	LINEAR	0.X	±0.3	size A4	Scale 1.000
Eng	T.HANNA	03/08/93			0.XX	±0.15		
Chr	T.BREWNAKER	03/08/93	0° ±2°		0.XXX	±0.05	ECN	
Appr	T.HANNA	03/08/93	Product family BERGSTIK				Spec ref	
title	BERGSTIK® II HEADER .100/2.54cc DR R/A						dwg no 68020	Rev. BM
catalog no							Product-Customer Drw	sheet 2 of 5

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REV F - 2006-04-17

PRODUCT NUMBER	MATING LENGTH		TAIL LENGTH		BEND DIM.		PIN TO SIDE		BODY WIDTH		PACKAGING	LF OPTION
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H	DIM J	DIM J	DIM K	DIM K		
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC		
68020-XYY	0.230	5.84	0.095	2.41	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS/TUBES	NOTE 1,8
68021-XYY	0.230	5.84	0.120	3.05	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS	
68022-XYY	0.318	8.08	0.110	2.79	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS	
68025-XYY	0.230	5.84	0.195	4.95	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS	
68405-XYY	0.230	5.84	0.095	2.41	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS	
~~68452-XYY~~	~~0.380~~	~~9.65~~	~~0.110~~	~~2.79~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~POLY BAGS~~	OB
68459-XYY	0.318	8.08	0.150	3.81	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS/TUBES	
~~68462-XYY~~	~~0.400~~	~~10.16~~	~~0.120~~	~~3.05~~	~~0.060~~	~~1.52~~	~~0.045~~	~~1.14~~	~~0.190~~	~~4.83~~	~~POLY BAGS~~	OB
~~68463-XYY~~	~~0.230~~	~~5.84~~	~~0.110~~	~~2.79~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~POLY BAGS~~	OB
68480-XYY	0.318	8.08	0.110	2.79	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS	
68492-XYY	0.230	5.84	0.150	3.81	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS	
68493-XYY				U N A V A I L A B L E								
68695-XYY	0.230	5.84	0.090	2.29	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS	
~~68696-XYY~~	~~0.318~~	~~8.08~~	~~0.125~~	~~3.18~~	~~0.060~~	~~1.52~~	~~0.045~~	~~1.14~~	~~0.190~~	~~4.83~~	~~POLY BAGS~~	OB
68697-XYY	0.230	5.84	0.125	3.18	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS	
68715-XYY	0.138	3.51	0.138	3.51	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS	
68728-XYY				U N A V A I L A B L E								
~~68740-XYY~~	~~0.345~~	~~8.76~~	~~0.110~~	~~2.79~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~POLY BAGS~~	OB
~~68759-XYY~~	~~0.275~~	~~6.99~~	~~0.120~~	~~3.05~~	~~0.060~~	~~1.52~~	~~0.045~~	~~1.14~~	~~0.190~~	~~4.83~~	~~POLY BAGS~~	OB
~~68780-XYY~~	~~0.230~~	~~5.84~~	~~0.039~~	~~0.99~~	~~0.060~~	~~1.52~~	~~0.045~~	~~1.14~~	~~0.190~~	~~4.83~~	~~POLY BAGS~~	OB
~~69147-XYY~~	~~0.540~~	~~13.72~~	~~0.260~~	~~6.60~~	~~0.060~~	~~1.52~~	~~0.045~~	~~1.14~~	~~0.190~~	~~4.83~~	~~POLY BAGS~~	OB
69186-XYY				U N A V A I L A B L E								NOTE 1,8
~~72240-XYYH~~	~~0.550~~	~~13.97~~	~~0.120~~	~~3.05~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~POLY BAGS~~	OB
~~72261-XYYH~~	~~0.100~~	~~2.54~~	~~0.100~~	~~2.54~~	~~0.060~~	~~1.52~~	~~0.045~~	~~1.14~~	~~0.190~~	~~4.83~~	~~POLY BAGS~~	OB
~~72324-XYYH~~	~~0.550~~	~~13.97~~	~~0.260~~	~~6.60~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~POLY BAGS~~	OB
~~72410-XYYH~~	~~0.120~~	~~3.05~~	~~0.350~~	~~8.89~~	~~0.120~~	~~3.05~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~POLY BAGS~~	OB
~~74430-XYYH~~	~~0.000~~	~~0.00~~	~~0.233~~	~~5.92~~	~~0.060~~	~~1.52~~	~~0.045~~	~~1.14~~	~~0.190~~	~~4.83~~	~~POLY BAGS~~	OB

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www.fciconnect.com	surface ISO 1302	tolerance std ISO 406 ISO 1101	projection	INCH/MM		
	TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr D.WIHTING 03/08/93	ANGULAR	LINEAR	0.X ±0.3	size A4	Scale 1.000	
Eng T.HANNA 03/08/93			0.XX ±0.15			
Chr T.BREWNAKER 03/08/93	0° ±2°		0.XXX ±0.05	ECN		
Appr T.HANNA 03/08/93	Product family BERGSTIK			Spec ref		
title: BERGSTIK® II HEADER .100/2.54cc DR R/A			dwg no 68020	Rev. BM		
catalog no			Product-Customer Drw	sheet 3 of 5		

REV F - 2006-04-17

PRODUCT NUMBER	MATING LENGTH		TAIL LENGTH		BEND DIM.		PIN TO SIDE		BODY WIDTH		PACKAGING	LF OPTION
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H	DIM J	DIM J	DIM K	DIM K		
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC		
~~78576-XYY~~	~~0.120~~	~~3.05~~	~~0.120~~	~~3.05~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~POLY BAGS~~	OB
~~78923-XYY~~	~~0.240~~	~~6.10~~	~~0.095~~	~~2.41~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~POLY BAGS~~	OB
~~78951-XYY~~	~~0.500~~	~~12.70~~	~~0.120~~	~~3.05~~	~~0.060~~	~~1.52~~	~~0.045~~	~~1.14~~	~~0.190~~	~~4.83~~	~~POLY BAGS~~	OB
~~79200-XYY~~	~~0.155~~	~~3.94~~	~~0.280~~	~~7.11~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~POLY BAGS~~	OB
~~79201-XYY~~	~~0.225~~	~~5.72~~	~~0.280~~	~~7.11~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~POLY BAGS~~	OB
~~79202-XYY~~	~~0.245~~	~~6.22~~	~~0.280~~	~~7.11~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~POLY BAGS~~	OB
~~79203-XYY~~	~~0.315~~	~~8.00~~	~~0.280~~	~~7.11~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~POLY BAGS~~	OB
~~79204-XYY~~	~~0.177~~	~~4.50~~	~~0.410~~	~~10.41~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~POLY BAGS~~	OB
~~79205-XYY~~	~~0.25~~	~~6.35~~	~~0.410~~	~~10.41~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~POLY BAGS~~	OB
~~79206-XYY~~	~~0.315~~	~~8.00~~	~~0.410~~	~~10.41~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~POLY BAGS~~	OB
79248-XYY				U N A V A I L A B L E								NOTE 1,8
79257-XYY	0.230	5.84	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS/TUBES	
79258-XYY	0.318	8.08	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS/TUBES	
79807-XYY				U N A V A I L A B L E								
~~79841-XYY~~	~~0.060~~	~~1.52~~	~~0.230~~	~~5.84~~	~~0.060~~	~~1.52~~	~~0.045~~	~~1.14~~	~~0.190~~	~~4.83~~	~~POLY BAGS~~	OB
~~86385-XYY~~	~~0.260~~	~~6.6~~	~~0.120~~	~~3.05~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~POLY BAGS~~	OB
86840-XYY	0.318	8.08	0.230	5.84	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS	
86867-XYY				U N A V A I L A B L E								
~~88822-XYY~~	~~0.318~~	~~8.08~~	~~0.080~~	~~2.03~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~POLY BAGS~~	OB
~~89292-XYY~~	~~0.120~~	~~3.05~~	~~0.300~~	~~7.62~~	~~0.120~~	~~3.05~~	~~0.045~~	~~1.14~~	~~0.190~~	~~4.83~~	~~POLY BAGS~~	OB
~~90234-XYY~~	~~0.130~~	~~3.30~~	~~0.195~~	~~4.95~~	~~0.060~~	~~1.52~~	~~0.045~~	~~1.14~~	~~0.190~~	~~4.83~~	~~POLY BAGS~~	OB
92634-XYY	0.318	8.08	0.318	8.08	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS	
~~93162-XYY~~	~~0.230~~	~~5.84~~	~~0.400~~	~~10.16~~	~~0.150~~	~~3.81~~	~~0.045~~	~~1.14~~	~~0.190~~	~~4.83~~	~~POLY BAGS~~	OB
~~93932-XYY~~	~~0.200~~	~~5.08~~	~~0.120~~	~~3.05~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~POLY BAGS~~	OB
93939-XYY	0.160	4.06	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS	NOTE 1,8
~~94687-XYYH~~	~~0.430~~	~~10.92~~	~~0.230~~	~~5.84~~	~~0.060~~	~~1.52~~	~~0.045~~	~~1.14~~	~~0.190~~	~~4.83~~	~~POLY BAGS~~	OB
~~94688-XYYH~~	~~0.385~~	~~9.78~~	~~0.280~~	~~7.11~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~POLY BAGS~~	OB

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www.fciconnect.com			surface ISO 1302 √		tolerance std ISO 406 ISO 1101		projection	INCH/MM
			TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	D.WIHTING	03/08/93	ANGULAR	LINEAR	0.X	±0.3	size A4	Scale 1.000
Eng	T.HANNA	03/08/93			0.XX	±0.15		
Chr	T.BREWNAKER	03/08/93	0° ±2°		0.XXX	±0.05	ECN	
Appr	T.HANNA	03/08/93	Product family BERGSTIK				Spec ref	
title	BERGSTIK® II HEADER .100/2.54cc DR R/A				dwg no	68020	Rev.	BM
catalog no					Product-Customer Drw		sheet 4 of 5	

REV F - 2006-04-17

PRODUCT NUMBER	MATING LENGTH		TAIL LENGTH		BEND DIM.		PIN TO SIDE		BODY WIDTH			LF OPTION
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H	DIM J	DIM J	DIM K	DIM K	PACKAGING	
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC		
~~95035-XYYH~~	~~0.230~~	~~5.84~~	~~0.400~~	~~10.16~~	~~0.060~~	~~1.52~~	~~0.045~~	~~1.14~~	~~0.190~~	~~4.83~~	~~POLY BAGS~~	OB
~~95182-XYYH~~	~~0.400~~	~~10.16~~	~~0.110~~	~~2.79~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~POLY BAGS~~	OB NOTE 1,8
~~98358-XYYH~~	~~0.205~~	~~5.21~~	~~0.410~~	~~10.41~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~POLY BAGS~~	OB
~~98359-XYYH~~	~~0.275~~	~~6.99~~	~~0.410~~	~~10.41~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~POLY BAGS~~	OB
68020-144-095030LF	.374	9.50	0.118	3.00	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS	

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			TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	D.WIHTING	03/08/93	ANGULAR	LINEAR	0.X	±0.3	size A4	Scale 1.000
Eng	T.HANNA	03/08/93			0.XX	±0.15		
Chr	T.BREWNAKER	03/08/93	0° ±2°		0.XXX	±0.05	ECN	
Appr	T.HANNA	03/08/93	Product family BERGSTIK				Spec ref	
title	BERGSTIK® II HEADER .100/2.54cc DR R/A				dwg no	68020		Rev. BM
catalog no					Product-Customer Drw		sheet 5 of 5	

REV F - 2006-04-17