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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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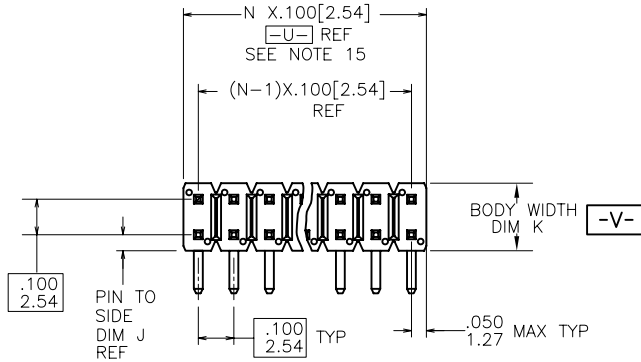
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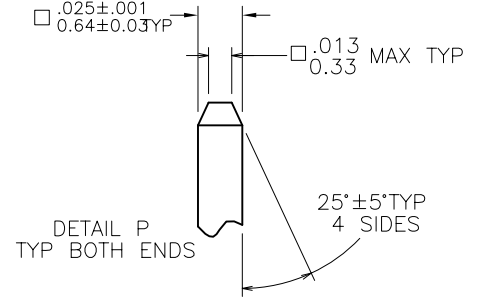
PRODUCT NUMBER  
XXXXX-YYY HTLF

- 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

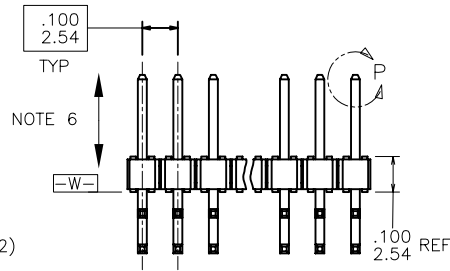
⊕ ∅ .020/.51 (M) U (M) V W  
NOTE 4



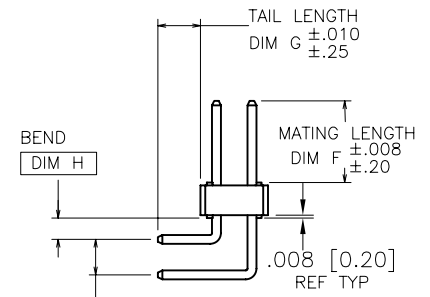
DETAIL P  
TYP BOTH ENDS

68020-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 2(2X1) THRU 72 (2X36) POSITIONS
- PIN PLATING (SEE NOTE 9)  
1=0.76µm Au  
4= PURE TIN  
8=0.36µm Au
- BASE PART NO.



SIDE VIEW



END VIEW



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www.fciconnect.com			surface 6.4 ISO 1302	tolerance std ISO 406 ISO 1101	projection ISO 1101	INCH/MM
TOLERANCES UNLESS OTHERWISE SPECIFIED			ANGULAR	LINEAR	size A4	Scale 1.000
Dr	D.WIHTING	03/08/93	0.X	±0.3	ECN	
Eng	T.HANNA	03/08/93	0.XX	±0.15		
Chr	T.BREWNAKER	03/08/93	0.XXX	±0.05		
Appr	T.HANNA	03/08/93	Product family BERGSTIK		Spec ref	
rev			title BERGSTIK® II HEADER		Rev. BM	
ecn no			.100/2.54cc DR R/A		dwg no 68020	
dr			catalog no		Product-Customer Drw sheet 1 of 5	
date						
BK	ELX-N-16105	ZK	2013-10-22			
BL	ELX-N-19718	JH	2014-12-11			
BM	ELX-N-20595	JH	2015-03-30			
BG	M08-0331	MHT	12/01/08			
BH	M09-0105	MHT	7/10/09			
BJ	N11-0118	JZ	2011-04-12			

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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:

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 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.

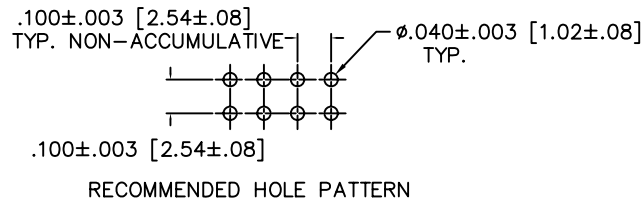
4. MEASURED WITH PART IN RESTRAINED CONDITION.

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 XXXX-XY-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 PDS. N X .100/2.54



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

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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-YYY	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-YYY	0.230	5.84	0.120	3.05	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS		
68022-YYY	0.318	8.08	0.110	2.79	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS		
68025-YYY	0.230	5.84	0.195	4.95	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS		
68405-YYY	0.230	5.84	0.095	2.41	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS		
<del>68452-YYY</del>	<del>0.380</del>	<del>9.65</del>	<del>0.110</del>	<del>2.79</del>	<del>0.060</del>	<del>1.52</del>	<del>0.070</del>	<del>1.78</del>	<del>0.240</del>	<del>6.10</del>	<del>POLY BAGS</del>		
68459-YYY	0.318	8.08	0.150	3.81	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS/TUBES		
<del>68462-YYY</del>	<del>0.400</del>	<del>10.16</del>	<del>0.120</del>	<del>3.05</del>	<del>0.060</del>	<del>1.52</del>	<del>0.045</del>	<del>1.14</del>	<del>0.190</del>	<del>4.83</del>	<del>POLY BAGS</del>		
<del>68463-YYY</del>	<del>0.230</del>	<del>5.84</del>	<del>0.110</del>	<del>2.79</del>	<del>0.060</del>	<del>1.52</del>	<del>0.070</del>	<del>1.78</del>	<del>0.240</del>	<del>6.10</del>	<del>POLY BAGS</del>		
68480-YYY	0.318	8.08	0.110	2.79	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS		
68492-YYY	0.230	5.84	0.150	3.81	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS		
68493-YYY				UNAVAILABLE									
68695-YYY	0.230	5.84	0.090	2.29	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS		
<del>68696-YYY</del>	<del>0.318</del>	<del>8.08</del>	<del>0.125</del>	<del>3.18</del>	<del>0.060</del>	<del>1.52</del>	<del>0.045</del>	<del>1.14</del>	<del>0.190</del>	<del>4.83</del>	<del>POLY BAGS</del>		
68697-YYY	0.230	5.84	0.125	3.18	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS		
68715-YYY	0.138	3.51	0.138	3.51	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS		
68728-YYY				UNAVAILABLE									
<del>68740-YYY</del>	<del>0.345</del>	<del>8.76</del>	<del>0.110</del>	<del>2.79</del>	<del>0.060</del>	<del>1.52</del>	<del>0.070</del>	<del>1.78</del>	<del>0.240</del>	<del>6.10</del>	<del>POLY BAGS</del>		
<del>68759-YYY</del>	<del>0.275</del>	<del>6.99</del>	<del>0.120</del>	<del>3.05</del>	<del>0.060</del>	<del>1.52</del>	<del>0.045</del>	<del>1.14</del>	<del>0.190</del>	<del>4.83</del>	<del>POLY BAGS</del>		
<del>68780-YYY</del>	<del>0.230</del>	<del>5.84</del>	<del>0.039</del>	<del>0.99</del>	<del>0.060</del>	<del>1.52</del>	<del>0.045</del>	<del>1.14</del>	<del>0.190</del>	<del>4.83</del>	<del>POLY BAGS</del>		
<del>69147-YYY</del>	<del>0.540</del>	<del>13.72</del>	<del>0.260</del>	<del>6.60</del>	<del>0.060</del>	<del>1.52</del>	<del>0.045</del>	<del>1.14</del>	<del>0.190</del>	<del>4.83</del>	<del>POLY BAGS</del>		
69186-YYY				UNAVAILABLE								NOTE 1,8	
<del>72240-YYYH</del>	<del>0.550</del>	<del>13.97</del>	<del>0.120</del>	<del>3.05</del>	<del>0.060</del>	<del>1.52</del>	<del>0.070</del>	<del>1.78</del>	<del>0.240</del>	<del>6.10</del>	<del>POLY BAGS</del>		
<del>72261-YYYH</del>	<del>0.100</del>	<del>2.54</del>	<del>0.100</del>	<del>2.54</del>	<del>0.060</del>	<del>1.52</del>	<del>0.045</del>	<del>1.14</del>	<del>0.190</del>	<del>4.83</del>	<del>POLY BAGS</del>		
<del>72324-YYYH</del>	<del>0.550</del>	<del>13.97</del>	<del>0.260</del>	<del>6.60</del>	<del>0.060</del>	<del>1.52</del>	<del>0.070</del>	<del>1.78</del>	<del>0.240</del>	<del>6.10</del>	<del>POLY BAGS</del>		
<del>72410-YYYH</del>	<del>0.120</del>	<del>3.05</del>	<del>0.350</del>	<del>8.89</del>	<del>0.120</del>	<del>3.05</del>	<del>0.070</del>	<del>1.78</del>	<del>0.240</del>	<del>6.10</del>	<del>POLY BAGS</del>		
<del>74430-YYYH</del>	<del>0.000</del>	<del>0.00</del>	<del>0.233</del>	<del>5.92</del>	<del>0.060</del>	<del>1.52</del>	<del>0.045</del>	<del>1.14</del>	<del>0.190</del>	<del>4.83</del>	<del>POLY BAGS</del>		

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www.fciconnect.com			surface ISD 1302 ✓	tolerance std ISD 406 ISD 1101	projection 	INCH/MM ↔
			TOLERANCES UNLESS OTHERWISE SPECIFIED			Scale 1.000
Dr	D.WIHTING	03/08/93	ANGULAR	LINEAR	size A4	
Eng	T.HANNA	03/08/93	0.X	±0.3		
Chr	T.BREWNAKER	03/08/93	0.XX	±0.15		
Appr	T.HANNA	03/08/93	0.XXX	±0.05	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 3 of 5	

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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-XXX	0.120	3.05	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB
78923-XXX	0.240	6.10	0.095	2.41	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB
78951-XXX	0.500	12.70	0.120	3.05	0.060	1.52	0.045	1.14	0.190	4.83	-POLY BAGS	OB
79200-XXX	0.155	3.94	0.280	7.11	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB
79201-XXX	0.225	5.72	0.280	7.11	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB
79202-XXX	0.245	6.22	0.280	7.11	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB
79203-XXX	0.315	8.00	0.280	7.11	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB
79204-XXX	0.177	4.50	0.410	10.41	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB
79205-XXX	0.25	6.35	0.410	10.41	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB
79206-XXX	0.315	8.00	0.410	10.41	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB
79248-XXX												NOTE 1,8
79257-XXX	0.230	5.84	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS/TUBES	
79258-XXX	0.318	8.08	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS/TUBES	
79807-XXX												
79841-XXX	0.060	1.52	0.230	5.84	0.060	1.52	0.045	1.14	0.190	4.83	-POLY BAGS	OB
86385-XXX	0.260	6.6	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB
86840-XXX	0.318	8.08	0.230	5.84	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS	
86867-XXX												
88822-XXX	0.318	8.08	0.080	2.03	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB
89292-XXX	0.120	3.05	0.300	7.62	0.120	3.05	0.045	1.14	0.190	4.83	-POLY BAGS	OB
90234-XXX	0.130	3.30	0.195	4.95	0.060	1.52	0.045	1.14	0.190	4.83	-POLY BAGS	OB
92634-XXX	0.318	8.08	0.318	8.08	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS	
93162-XXX	0.230	5.84	0.400	10.16	0.150	3.81	0.045	1.14	0.190	4.83	-POLY BAGS	OB
93932-XXX	0.200	5.08	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB
93939-XXX	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-XXX	0.430	10.92	0.230	5.84	0.060	1.52	0.045	1.14	0.190	4.83	-POLY BAGS	OB
94688-XXX	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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			TOLERANCES UNLESS OTHERWISE SPECIFIED			Scale 1.000
Dr	D.WIHTING	03/08/93	ANGULAR	LINEAR	0.X ±0.3 0.XX ±0.15 0.XXX ±0.05	size A4
Eng	T.HANNA	03/08/93	0° ±2°			ECN
Chr	T.BREWNAKER	03/08/93				
Appr	T.HANNA	03/08/93	Product family	BERGSTIK	Spec ref	
	title	BERGSTIK® II HEADER .100/2.54cc DR R/A		eng n°	68020	Rev. BM
	catalog no			Product-Customer Drw	sheet 4 of 5	

REV F - 2006-04-17

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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		
<del>95035-XYH</del>	<del>0.230</del>	<del>5.84</del>	<del>0.400</del>	<del>10.16</del>	<del>0.060</del>	<del>1.52</del>	<del>0.045</del>	<del>1.14</del>	<del>0.190</del>	<del>4.83</del>	<del>-POLY BAGS</del>	OB
<del>95182-XYH</del>	<del>0.400</del>	<del>10.16</del>	<del>0.110</del>	<del>2.79</del>	<del>0.060</del>	<del>1.52</del>	<del>0.070</del>	<del>1.78</del>	<del>0.240</del>	<del>6.10</del>	<del>-POLY BAGS</del>	OB NOTE
<del>98358-XYH</del>	<del>0.205</del>	<del>5.21</del>	<del>0.410</del>	<del>10.41</del>	<del>0.060</del>	<del>1.52</del>	<del>0.070</del>	<del>1.78</del>	<del>0.240</del>	<del>6.10</del>	<del>-POLY BAGS</del>	OB 1,8
<del>98359-XYH</del>	<del>0.275</del>	<del>6.99</del>	<del>0.410</del>	<del>10.41</del>	<del>0.060</del>	<del>1.52</del>	<del>0.070</del>	<del>1.78</del>	<del>0.240</del>	<del>6.10</del>	<del>-POLY BAGS</del>	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			ANGULAR	LINEAR	size A4	Scale 1.000
Dr	D.WIHTING	03/08/93	0.X	±0.3	ECN	
Eng	T.HANNA	03/08/93	0.XX	±0.15	ECN	
Chr	T.BREWNAKER	03/08/93	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