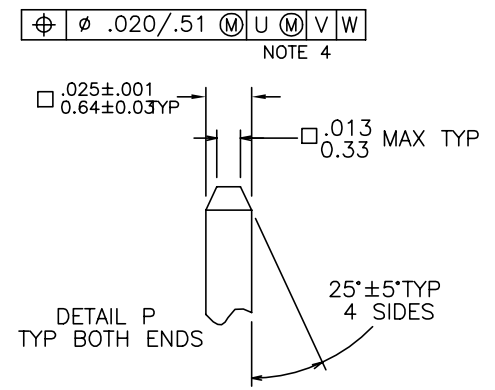
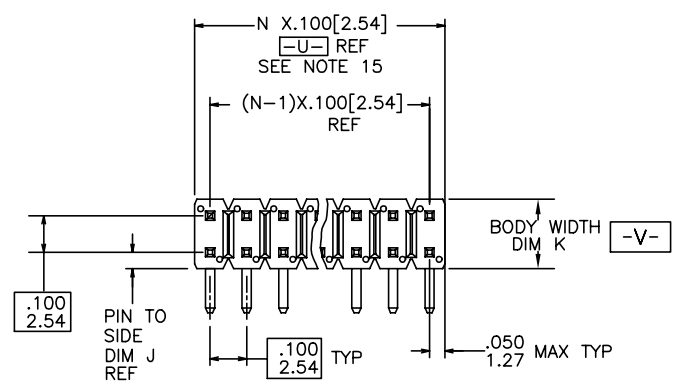
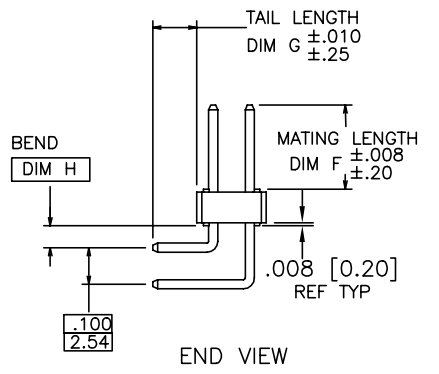


PRODUCT NUMBER  
XXXXX-YYY HTLF

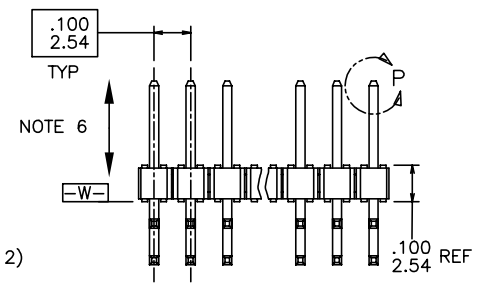
- LEAD FREE OPTION  
SEE NOTE 1,8
- TUBE PACKAGING OPTION  
SEE NOTE 1
- HIGH TEMPERATURE PLASTIC  
SEE NOTE 1
- NO OF POSITIONS  
SEE NOTE 1
- PIN PLATING  
SEE SHEET 2
- BASE PART NO.



TOP VIEW



END VIEW



SIDE VIEW

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.



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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			Scale 1.000																																			
Dr	D.WIHTING	03/08/93	ANGULAR	LINEAR	size A4	ECN																																			
Eng	T.HANNA	03/08/93																																							
Chr	T.BREWNAKER	03/08/93	0° ±2°	0.XX ±0.15	0.XXX ±0.05	Spec ref																																			
Appr	T.HANNA	03/08/93	Product family BERGSTIK		Rev. BK																																				
<table border="1"> <thead> <tr> <th>rev</th> <th>ecn no</th> <th>dr</th> <th>date</th> </tr> </thead> <tbody> <tr> <td>BK</td> <td>ELX-N-16105</td> <td>ZK</td> <td>2013-10-22</td> </tr> <tr> <td>BE</td> <td>M08-0169</td> <td>MHT</td> <td>3/05/07</td> </tr> <tr> <td>BF</td> <td>M08-0267</td> <td>MHT</td> <td>9/25/08</td> </tr> <tr> <td>BG</td> <td>M08-0331</td> <td>MHT</td> <td>12/01/08</td> </tr> <tr> <td>BH</td> <td>M09-0105</td> <td>MHT</td> <td>7/10/09</td> </tr> <tr> <td>BJ</td> <td>N11-0118</td> <td>J.Z</td> <td>2011-04-12</td> </tr> </tbody> </table>			rev	ecn no	dr	date	BK	ELX-N-16105	ZK	2013-10-22	BE	M08-0169	MHT	3/05/07	BF	M08-0267	MHT	9/25/08	BG	M08-0331	MHT	12/01/08	BH	M09-0105	MHT	7/10/09	BJ	N11-0118	J.Z	2011-04-12	<table border="1"> <tr> <td>title</td> <td>BERGSTIK® II HEADER .100/2.54cc DR R/A</td> </tr> <tr> <td>catalog no</td> <td>CUSTOMER</td> </tr> </table>		title	BERGSTIK® II HEADER .100/2.54cc DR R/A	catalog no	CUSTOMER	<table border="1"> <tr> <td>dwg no</td> <td>68020</td> </tr> <tr> <td>sheet</td> <td>1 of 5</td> </tr> </table>	dwg no	68020	sheet	1 of 5
rev	ecn no	dr	date																																						
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catalog no	CUSTOMER																																								
dwg no	68020																																								
sheet	1 of 5																																								

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-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 DAL DON'T EXCEED 31mm  
DAL= 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

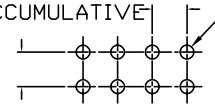
12. INCREMENTS BY 0.1mm IN LENGTH ONLY

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

.100±.003 [2.54±.08]  
TYP. NON-ACCUMULATIVE  
Ø.040±.003 [1.02±.08]  
TYP.



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	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	BERGSTIK® II HEADER .100/2.54cc DR R/A	dwg no 68020
			catalog no	CUSTOMER	Rev. BK
					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-XY	0.230	5.84	0.095	2.41	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS	NOTE 1,8
68021-XY	0.230	5.84	0.120	3.05	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS	
68022-XY	0.318	8.08	0.110	2.79	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS	
68025-XY	0.230	5.84	0.195	4.95	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS	
68405-XY	0.230	5.84	0.095	2.41	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS	
<del>68452-XY</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-XY	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-XY</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-XY</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-XY	0.318	8.08	0.110	2.79	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS	
68492-XY	0.230	5.84	0.150	3.81	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS	
68493-XY				U N A V A I L A B L E								
68695-XY	0.230	5.84	0.090	2.29	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS	
<del>68696-XY</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-XY	0.230	5.84	0.125	3.18	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS	
68715-XY	0.138	3.51	0.138	3.51	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS	
68728-XY				U N A V A I L A B L E								
<del>68740-XY</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-XY</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-XY</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-XY</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-XY				U N A V A I L A B L E								
72240-XYH	0.550	13.97	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS	NOTE 1,8
72261-XYH	0.100	2.54	0.100	2.54	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS	
72324-XYH	0.550	13.97	0.260	6.60	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS	
72410-XYH	0.120	3.05	0.350	8.89	0.120	3.05	0.070	1.78	0.240	6.10	POLY BAGS	
74430-XYH	0.000	0.00	0.233	5.92	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS	



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www.fciconnect.com			surface ISO 1302 <input checked="" type="checkbox"/>	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
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. BK
			catalog no		CUSTOMER		sheet 3 of 5

1

2

3

4

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-XYX	-0.120	-3.05	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB
78923-XYX	-0.240	-6.10	0.095	2.41	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB
78951-XYX	-0.500	-12.70	0.120	3.05	0.060	1.52	0.045	1.14	0.190	4.83	-POLY BAGS	OB
79200-XYX	-0.155	-3.94	0.280	7.11	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB
79201-XYX	-0.225	-5.72	0.280	7.11	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB
79202-XYX	-0.245	-6.22	0.280	7.11	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB
79203-XYX	-0.315	-8.00	0.280	7.11	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB
79204-XYX	-0.177	-4.50	0.410	10.41	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB
79205-XYX	-0.25	-6.35	0.410	10.41	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB
79206-XYX	-0.315	-8.00	0.410	10.41	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB
79248-XYX												NOTE 1,8
79257-XYX	0.230	5.84	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS/TUBES	
79258-XYX	0.318	8.08	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS/TUBES	
79807-XYX												
79841-XYX	-0.060	-1.52	0.230	5.84	0.060	1.52	0.045	1.14	0.190	4.83	-POLY BAGS	OB
86385-XYX	-0.260	-6.6	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB
86840-XYX	0.318	8.08	0.230	5.84	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS	
86867-XYX												
88822-XYX	-0.318	-8.08	0.080	2.03	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB
89292-XYX	-0.120	-3.05	0.300	7.62	0.120	3.05	0.045	1.14	0.190	4.83	-POLY BAGS	OB
90234-XYX	-0.130	-3.30	0.195	4.95	0.060	1.52	0.045	1.14	0.190	4.83	-POLY BAGS	OB
92634-XYX	0.318	8.08	0.318	8.08	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS	
93162-XYX	-0.230	-5.84	0.400	10.16	0.150	3.81	0.045	1.14	0.190	4.83	-POLY BAGS	OB
93932-XYX	-0.200	-5.08	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB
93939-XYX	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-XYXH	-0.430	-10.92	0.230	5.84	0.060	1.52	0.045	1.14	0.190	4.83	-POLY BAGS	OB
94688-XYXH	-0.385	-9.78	0.280	7.11	0.060	1.52	0.070	1.78	0.240	6.10	-POLY BAGS	OB

A

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C

D

A

B

C

D



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www.fciconnect.com			surface ISO 1302 <input checked="" type="checkbox"/>	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. BK
			catalog no		CUSTOMER	sheet 4 of 5

REV F - 2006-04-17

1

2

3

4

PDS: Rev :BK

STATUS:Released

Printed: Oct 29, 2013

1

2

3

4

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		
95035-XXXH	-0.230	-5.84	-0.400	-10.16	-0.060	1.52	0.045	1.14	-0.190	-4.83	-POLY BAGS	OB
95182-XXXH	-0.400	-10.16	-0.110	-2.79	-0.060	1.52	0.070	1.78	-0.240	-6.10	-POLY BAGS	OB NOTE
98358-XXXH	-0.205	-5.21	-0.410	-10.41	-0.060	1.52	0.070	1.78	-0.240	-6.10	-POLY BAGS	OB 1,8
98359-XXXH	-0.275	-6.99	-0.410	-10.41	-0.060	1.52	0.070	1.78	-0.240	-6.10	-POLY BAGS	OB

A

A

B

B

C

C

D

D



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www.fciconnect.com			surface ISO 1302 <input checked="" type="checkbox"/>	tolerance std ISO 406 ISO 1101	projection 	INCH/MM ↔	
TOLERANCES UNLESS OTHERWISE SPECIFIED			TOLERANCES UNLESS OTHERWISE SPECIFIED		size A4		Scale 1.000
Dr	D.WIHTING	03/08/93	ANGULAR	LINEAR	0.X	±0.3	ECN
Eng	T.HANNA	03/08/93	0°	±2°	0.XX	±0.15	
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. BK
catalog no			CUSTOMER		sheet 5 of 5		

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