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PRODUCT NUMBER
XXXXX-YYY HTLF

LEAD FREE OPTION
SEE NOTE 1,8

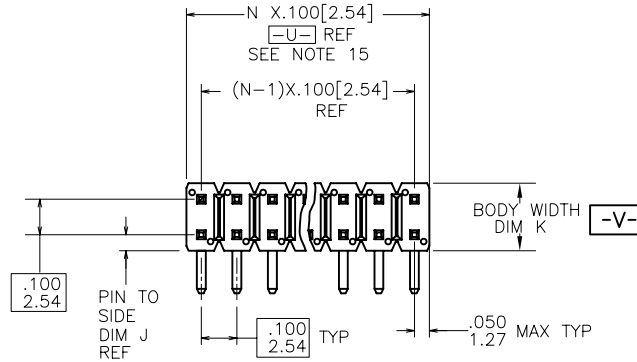
TUBE PACKAGING OPTION
SEE NOTE 1

HIGH TEMPERATURE PLASTIC
SEE NOTE 1

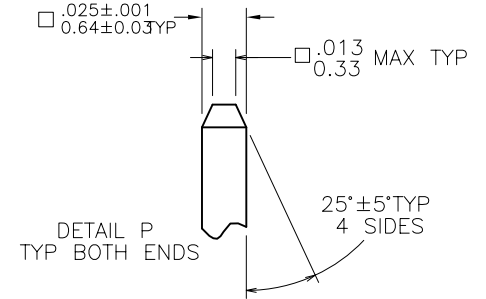
NO OF
POSITIONS
SEE NOTE 1

PIN PLATING
SEE SHEET 2

BASE PART NO.



⌀ .020/.51 (M) U (M) V W
NOTE 4



68020-X XX-XXX XXX LF

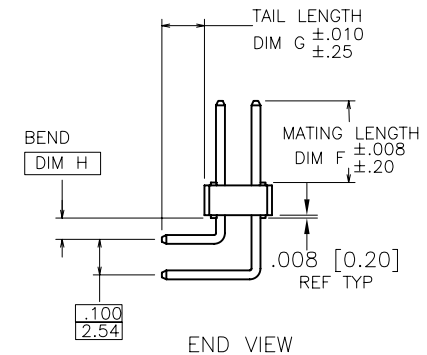
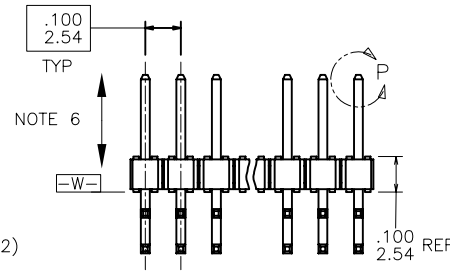
TAIL LENGTH (EXAMPLE BELOW)
3.0mm=.030 12.8mm=128 (SEE NOTE 11 & 12)

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 / tolerance std ISO 1302 ✓ 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 1 of 5	

rev	ecn no	dr	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

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 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 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 .100/2.54.100±.003 [2.54±.08]
TYP. NON-ACCUMULATIVE
Ø.040±.003 [1.02±.08]
TYP.

.100±.003 [2.54±.08]

RECOMMENDED HOLE PATTERN

www.fciconnect.com			surface ISO 1302 ✓	tolerance std ISO 406 ISO 1101	projection A4	INCH/MM
TOLERANCES UNLESS OTHERWISE SPECIFIED						
Dr	D.WIHTING	03/08/93	ANGULAR	0.X	±0.3	size
Eng	T.HANNA	03/08/93	LINEAR	0.XX	±0.15	Scale
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		Rev.
				.100/2.54cc DR R/A		BM
			catalog no	68020		
			Product-Customer Drw		sheet 2 of 5	





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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			
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		
~~68452-YYY~~	~~0.380~~	~~9.65~~	~~0.110~~	~~2.79~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~-POLY BAGS-~~		OB
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		
~~68462-YYY~~	~~0.400~~	~~10.16~~	~~0.120~~	~~3.05~~	~~0.060~~	~~1.52~~	~~0.045~~	~~1.14~~	~~0.190~~	~~4.83~~	~~-POLY BAGS-~~		OB
~~68463-YYY~~	~~0.230~~	~~5.84~~	~~0.110~~	~~2.79~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~-POLY BAGS-~~		OB
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		
~~68696-YYY~~	~~0.318~~	~~8.08~~	~~0.125~~	~~3.18~~	~~0.060~~	~~1.52~~	~~0.045~~	~~1.14~~	~~0.190~~	~~4.83~~	~~-POLY BAGS-~~	OB	
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										
~~68740-YYY~~	~~0.345~~	~~8.76~~	~~0.110~~	~~2.79~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~-POLY BAGS-~~	OB	
~~68759-YYY~~	~~0.275~~	~~6.99~~	~~0.120~~	~~3.05~~	~~0.060~~	~~1.52~~	~~0.045~~	~~1.14~~	~~0.190~~	~~4.83~~	~~-POLY BAGS-~~	OB	
~~68780-YYY~~	~~0.230~~	~~5.84~~	~~0.039~~	~~0.99~~	~~0.060~~	~~1.52~~	~~0.045~~	~~1.14~~	~~0.190~~	~~4.83~~	~~-POLY BAGS-~~	OB	
~~69147-YYY~~	~~0.540~~	~~13.72~~	~~0.260~~	~~6.60~~	~~0.060~~	~~1.52~~	~~0.045~~	~~1.14~~	~~0.190~~	~~4.83~~	~~-POLY BAGS-~~	OB	
69186-YYY			UNAVAILABLE									NOTE 1,8	
~~72240-YYYH~~	~~0.550~~	~~13.97~~	~~0.120~~	~~3.05~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~-POLY BAGS-~~	OB	
~~72261-YYYH~~	~~0.100~~	~~2.54~~	~~0.100~~	~~2.54~~	~~0.060~~	~~1.52~~	~~0.045~~	~~1.14~~	~~0.190~~	~~4.83~~	~~-POLY BAGS-~~	OB	
~~72324-YYYH~~	~~0.550~~	~~13.97~~	~~0.260~~	~~6.60~~	~~0.060~~	~~1.52~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~-POLY BAGS-~~	OB	
~~72410-YYYH~~	~~0.120~~	~~3.05~~	~~0.350~~	~~8.89~~	~~0.120~~	~~3.05~~	~~0.070~~	~~1.78~~	~~0.240~~	~~6.10~~	~~-POLY BAGS-~~	OB	
~~74430-YYYH~~	~~0.000~~	~~0.00~~	~~0.233~~	~~5.92~~	~~0.060~~	~~1.52~~	~~0.045~~	~~1.14~~	~~0.190~~	~~4.83~~	~~-POLY BAGS-~~	OB	

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		dwg no 68020	Rev. BM			
					.100/2.54cc DR R/A						
		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				U N A V A I L A B L E								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				U N A V A I L A B L E								
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				U N A V A I L A B L E								
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							
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		Rev	
			.100/2.54cc DR R/A				dwg no		68020	
			catalog no				Product-Customer Drw		sheet 4 of 5	
									BM	

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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-XXYH~~	~~0.230~~	~~5.84~~	~~0.400~~	~~10.16~~	~~0.060~~	~~1.52~~	~~0.045~~	~~1.14~~	~~0.190~~	~~4.83~~	~~-POLY BAGS-~~	OB
~~95182-XXYH~~	~~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-XXYH~~	~~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-XXYH~~	~~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	

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.BREWAKER	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		

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