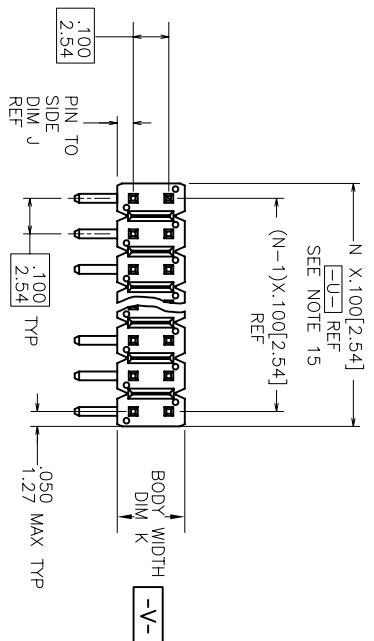
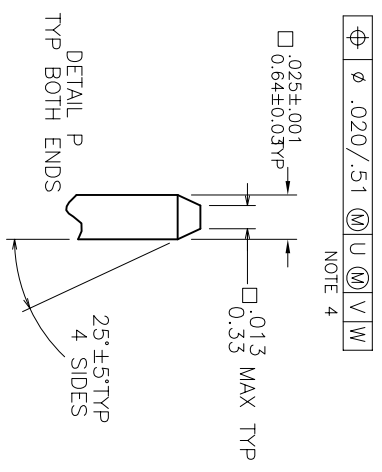


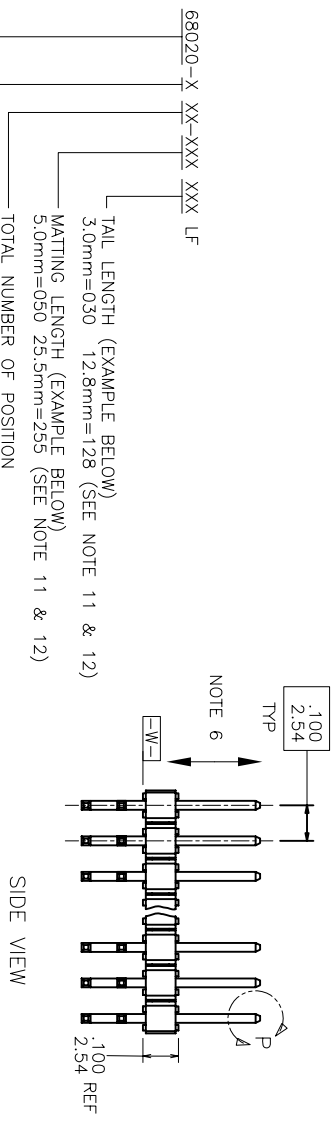
PRODUCT NUMBER  
 XXXXX-XXX HTLF  
 LEAD FREE OPTION  
 SEE NOTE 1,8  
 TUBE PACKAGING OPTION  
 SEE NOTE 1  
 HIGH TEMPERATURE PLASTIC  
 SEE NOTE 1  
 NO. OF POSITIONS  
 SEE NOTE 1  
 PIN PLATING  
 SEE SHEET 2  
 BASE PART NO.



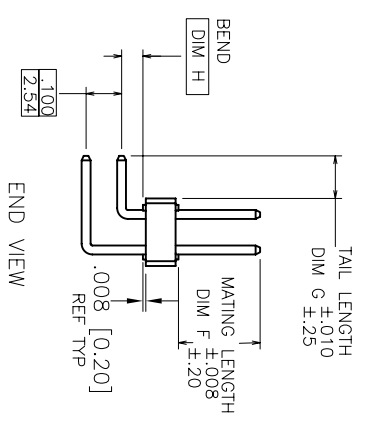
TOP VIEW



DETAIL P  
 TYP BOTH ENDS  
 25°±5° TYP  
 4 SIDES



SIDE VIEW



END VIEW

68020-X XX-XXX XXX LF  
 TAIL LENGTH (EXAMPLE BELOW)  
 3.0mm=030 12.8mm=128 (SEE NOTE 11 & 12)  
 MATTING 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.

rev	ecr no	dr	date
BK	ELX-N-1608	ZK	2013-10-22
BL	ELX-N-1978	JH	2014-12-11
BH	ELX-N-2099	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

www.fciconnect.com		Surface 6.4 tolerance std		projection	
Dr	DVHTING	03/08/93	ISD 1302	ISD 406	ISD 1101
Eng	TJAHANA	03/08/93	TOLERANCES UNLESS OTHERWISE SPECIFIED		
Chr	T BARE MAKER	03/08/93	ANGULAR	0X	±0.3
Appr	TJAHANA	03/08/93	LINEAR	0XX	±0.15
Product family		BERGSTIK	Product family	BERGSTIK	Spec ref
catalog no		100/2.54CC DR R/A	Product-Customer Drw		
Rev.		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	50u"/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).  
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, INFRARED 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.

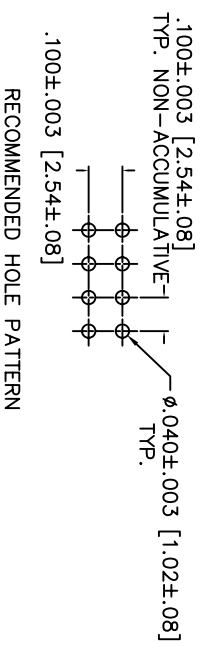
11. THE DAL DON'T EXCEED 31mm  
DAL = MATTING DIM + TAIL DIM + 4.0mm <= 31mm \* WHERE THE SUM OF TAIL LEGT DON'T EXCEED 27mm \* TAIL TAIL LENGTH MIN 2.00mm \* TAIL LENGTH MAX 10.4mm \* MATTING LENGTH MIN 15mm MATTING LENGTH MAX 25.4mm

12. INCREMENTS BY 0.1mm IN LENGTH ONLY

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

14. BEND DIMENSION AT 15mm ONLY

15. TO DETERMINE DIMENSIONS:  
N=NUMBER OF POSITION PER ROW  
EXAMPLE: 10 POS. N X 100/254



RECOMMENDED HOLE PATTERN

www.fciconnect.com		Surface 1SD 1302		tolerance std 1SD 406 1SD 1101		projection		INCH/MM	
TOLERANCES UNLESS OTHERWISE SPECIFIED		ANGULAR		LINEAR		size		Scale	
Dr	DVHTING	03/08/93	03/08/93	0X	±0.3	±0.15	A4	1.000	
Eng	THANNA	03/08/93	03/08/93	0XX	±0.15	±0.05	ECN		
Chr	TBRVNAKER	03/08/93	03/08/93	0	±2				
Appr	THANNA	03/08/93	03/08/93	Product family	BERGSTIK	Spec ref			
BERGSTIK® II HEADER		100/254cc DR R/A		Product-Customer Drw		68020		Rev. BM	
catalog no		100/254cc DR R/A		Product-Customer Drw		68020		Sheet 2 of 5	



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PRODUCT NUMBER	MATING DIM F	LENGTH DIM F	TAIL DIM G	LENGTH DIM G	BEND DIM H	DIM H	PIN DIM J	TO DIM J	SIDE DIM J	BODY DIM K	WIDTH DIM K	PACKAGING	LF OPTION
68020-XXX	ENGLISH METRIC	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-XXX	0.230	5.84	0.120	3.05	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS		
68022-XXX	0.318	8.08	0.110	2.79	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS		
68025-XXX	0.230	5.84	0.195	4.95	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS		
68405-XXX	0.230	5.84	0.095	2.41	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS		
68452-XXX	0.380	9.65	0.110	2.79	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS/TUBES		
68459-XXX	0.318	8.08	0.150	3.81	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS/TUBES		
68462-XXX	0.400	10.16	0.120	3.05	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS		
68463-XXX	0.230	5.84	0.110	2.79	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS		
68480-XXX	0.318	8.08	0.110	2.79	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS		
68492-XXX	0.230	5.84	0.150	3.81	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS		
68493-XXX													
68695-XXX	0.230	5.84	0.090	2.29	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS		
68696-XXX	0.348	8.08	0.125	3.18	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS		
68697-XXX	0.230	5.84	0.125	3.18	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS		
68715-XXX	0.138	3.51	0.138	3.51	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS		
68728-XXX													
68740-XXX	0.345	8.76	0.110	2.79	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS		
68759-XXX	0.275	6.99	0.120	3.05	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS		
68780-XXX	0.230	5.84	0.039	0.99	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS		
69147-XXX	0.540	13.72	0.260	6.60	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS		
69186-XXX													
72240-XXXX	0.560	13.97	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS		
72261-XXXX	0.100	2.54	0.100	2.54	0.060	1.52	0.045	1.14	0.190	4.83	POLY BAGS		
72324-XXXX	0.550	13.97	0.260	6.60	0.060	1.52	0.070	1.78	0.240	6.10	POLY BAGS		
72410-XXXX	0.120	3.05	0.350	8.89	0.120	3.05	0.070	1.78	0.240	6.10	POLY BAGS		
74430-XXXX	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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TOLERANCES UNLESS OTHERWISE SPECIFIED		ANGULAR		LINEAR	
Dr	DVHTING	03/08/93	0X	±0.3	size A4
Eng	THANNA	03/08/93	0XX	±0.15	Scale 1:1000
Chr	TBRVNAKER	03/08/93	0XXX	±0.05	ECN
Appr	THANNA	03/08/93	Product family BERGSTIK		Spec ref
BERGSTIK II HEADER		100/254cc DR R/A		68020	
Product-Customer Drw		Rev.		BM	

PRODUCT NUMBER	MATING DIM F	LENGTH DIM F	TAIL DIM G	LENGTH DIM G	BEND DIM H	DIM H	PIN DIM J	TO DIM J	SIDE DIM J	BODY DIM K	WIDTH DIM K	PACKAGING	LF OPTION
78576-XXX	0.120	3.05	0.120	3.05	0.060	1.52	0.070	1.78	1.78	0.240	6.10	-POLY BAGS	0B
78923-XXX	0.240	6.10	0.095	2.41	0.060	1.52	0.070	1.78	1.78	0.240	6.10	-POLY BAGS	0B
78951-XXX	0.500	12.70	0.120	3.05	0.060	1.52	0.045	1.14	1.14	0.190	4.83	-POLY BAGS	0B
79290-XXX	0.155	3.94	0.280	7.11	0.060	1.52	0.070	1.78	1.78	0.240	6.10	-POLY BAGS	0B
79201-XXX	0.225	5.72	0.280	7.11	0.060	1.52	0.070	1.78	1.78	0.240	6.10	-POLY BAGS	0B
79202-XXX	0.245	6.22	0.280	7.11	0.060	1.52	0.070	1.78	1.78	0.240	6.10	-POLY BAGS	0B
79203-XXX	0.315	8.00	0.280	7.11	0.060	1.52	0.070	1.78	1.78	0.240	6.10	-POLY BAGS	0B
79204-XXX	0.177	4.50	0.410	10.41	0.060	1.52	0.070	1.78	1.78	0.240	6.10	-POLY BAGS	0B
79205-XXX	0.25	6.35	0.410	10.41	0.060	1.52	0.070	1.78	1.78	0.240	6.10	-POLY BAGS	0B
79206-XXX	0.315	8.00	0.410	10.41	0.060	1.52	0.070	1.78	1.78	0.240	6.10	-POLY BAGS	0B
79248-XXX													NOTE 1,8
79257-XXX	0.230	5.84	0.120	3.05	0.060	1.52	0.070	1.78	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	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	1.14	0.190	4.83	-POLY BAGS	0B
86385-XXX	0.260	6.6	0.120	3.05	0.060	1.52	0.070	1.78	1.78	0.240	6.10	-POLY BAGS	0B
86840-XXX	0.318	8.08	0.230	5.84	0.060	1.52	0.070	1.78	1.78	0.240	6.10	POLY BAGS	
86867-XXX													
88822-XXX	0.348	8.08	0.080	2.03	0.060	1.52	0.070	1.78	1.78	0.240	6.10	-POLY BAGS	0B
89292-XXX	0.120	3.05	0.300	7.62	0.120	3.05	0.045	1.14	1.14	0.190	4.83	-POLY BAGS	0B
90234-XXX	0.130	3.30	0.195	4.95	0.060	1.52	0.045	1.14	1.14	0.190	4.83	-POLY BAGS	0B
92634-XXX	0.318	8.08	0.318	8.08	0.060	1.52	0.045	1.14	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	1.14	0.190	4.83	-POLY BAGS	0B
93932-XXX	0.200	5.08	0.120	3.05	0.060	1.52	0.070	1.78	1.78	0.240	6.10	-POLY BAGS	0B
93939-XXX	0.160	4.06	0.120	3.05	0.060	1.52	0.070	1.78	1.78	0.240	6.10	POLY BAGS	NOTE 1,8
94687-XXXX	0.430	10.92	0.230	5.84	0.060	1.52	0.045	1.14	1.14	0.190	4.83	-POLY BAGS	0B
94688-XXXX	0.385	9.78	0.280	7.11	0.060	1.52	0.070	1.78	1.78	0.240	6.10	-POLY BAGS	0B



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TOLERANCES UNLESS OTHERWISE SPECIFIED		ANGULAR		LINEAR	
Dr	DVHTING	03/08/93	0X	±0.3	size A4
Eng	THANNA	03/08/93	0XX	±0.15	Scale 1:1000
Chr	TBRVNAKER	03/08/93	0XXX	±0.05	ECN
Appr	THANNA	03/08/93	Product family BERGSTIK		Spec ref
BERGSTIK® II HEADER		100/254cc DR R/A		68020	
Product-Customer Drw		Rev.		BM	

