

1

2

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4

PRODUCT NUMBER

XXXXX-YYY HTLF

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

BASE PART NO.

A

B

C

D

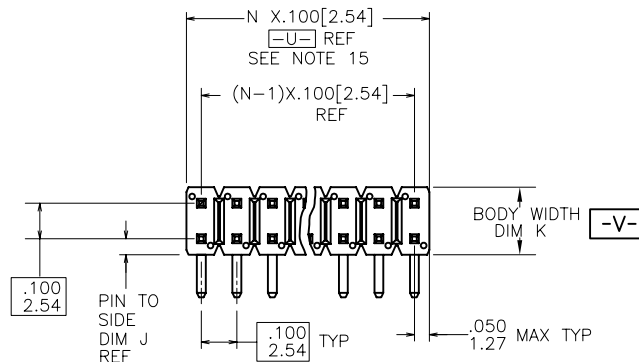


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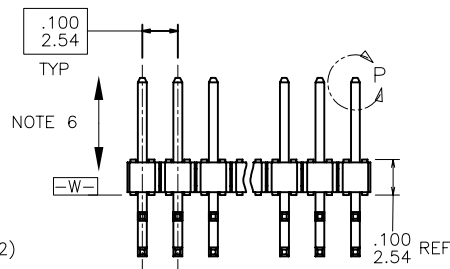
68020-X XX-XXX XXX LF

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) POSITIONSPIN PLATING (SEE NOTE 9)
1=0.76µm Au
4= PURE TIN
8=0.36µm Au

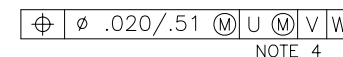
BASE PART NO.



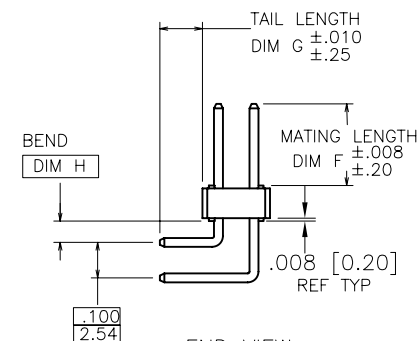
TOP VIEW



SIDE VIEW



NOTE 4

DETAIL P
TYP BOTH ENDS

END VIEW

A

B

C

D

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

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	ANGULAR	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	
FCI			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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1

2

3

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



Copyright FCI

A

B

C

D

A

B

C

D

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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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					no		Rev.		
		catalog no					.100/2.54cc DR R/A					68020				
					Product-Customer Drw					sheet 4 of 5						

