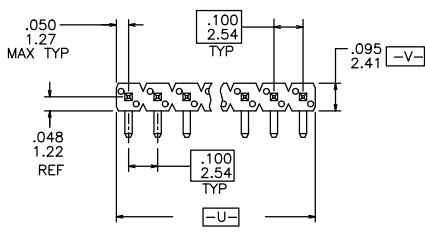




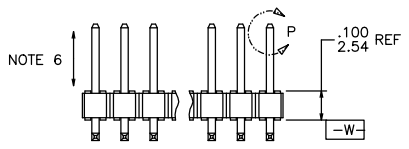
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PRODUCT NUMBER
XXXXX-YYY HTLF

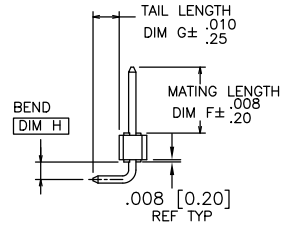
- LEAD FREE OPTION
SEE NOTE 1,11
- TUBE PACKAGING OPTION
SEE NOTE 1
- HIGH TEMPERATURE PLASTIC
SEE NOTE 1
- NO OF POSITIONS
SEE NOTE 1
- PIN PLATING
SEE SHEET 2
- BASE PART NO.



TOP VIEW

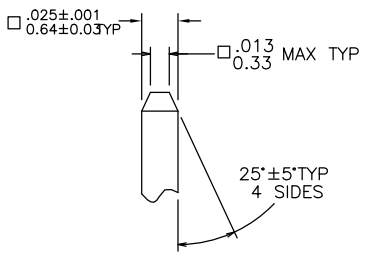


SIDE VIEW



END VIEW

⊕ ∅.020/0.51 (M) U (M) V (S) W
NOTE 4



DETAIL P
TYP BOTH ENDS

rev	ecn no	dr	date
CR	V81876	EPK	10/26/98
CS	V20790	GIP	04/24/02
CT	M04-0234	MHT	12/29/04
CU	M05-0072	MHT	5/03/05
CV	M06-0435	MHT	10/31/06
AH	M08-0291	MHT	10/06/08
AJ	N11-0118	JZ	2011-04-11

www.fciconnect.com		surface 6,4 ISO 1302	tolerance std ISO 406 ISO 1101	projection A4	INCH/MM
Dr D.WHITING 04/07/93		ANGULAR	0.X ±0.3	size A4	Scale 1.000
Eng T.HANNA 04/07/93		LINEAR	0.XX ±0.15	ECN N11-0118	
Chr T.HANNA 04/07/93		0° ±2°	0.XXX ±0.05	Spec ref	
Appr T.HANNA 04/07/93		Product family	BERGSTIK		
FCI		BERGSTIK® II HEADER .100 SR R/A SELF-RET		69191	Rev. AJ
catalog no		CUSTOMER		sheet 1 of 4	

REV 7 - 2004-07

PIN PLATING CODES:	
XXXX-1YY	30u"/0.76u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-2YY	15u"/0.38u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-3YY	50u"/1.27u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-4YY	100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 1,13)
XXXX-4YYHLF	
XXXX-5YY	15u"/0.38u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-6YY	30u"/0.76u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-7YY	30u"/0.76u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-8YY	15u"/0.38u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-9YY	15u"/0.38u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXX-0YY	30u"/0.76u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni

NOTES

1. PART NUMBER OPTIONS:

PIN PLATING CODES (SEE ABOVE)

HIGH TEMP. MATERIAL:
FOR HIGH-TEMPERATURE APPLICATIONS, SPECIFY AN "H" AT THE END OF THE PART NUMBER, AND PCT WILL BE SUPPLIED.

NUMBER OF POSITION:
ANY NUMBER OF POSITIONS FROM 2 THRU 36.

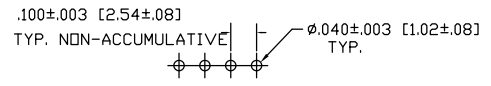
PACKAGING:
PACKAGED IN POLY BAGS.
EIGHT DIGIT PART NUMBERS FOLLOWED BY A "T" ARE PACKAGED IN TUBES. SEE SPECIFIC PART NUMBERS FOR AVAILABILITY.
LEAD FREE:
ADD "HLF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION, NOT AVAILABLE FOR -5YY,-5YYH,-6YY & -6YYH.

2. BODY MATERIAL:
MANUFACTURER'S OPTION OF NYLON OR PCT, GLASS FIBER REINFORCED, FLAME RETARDANT PER UL-94V-0.
COLOR: BLACK. OR MINERAL FILLES LCP, COLOR BLACK
FLAME RETARDANT PER UL-94V-0

PART NUMBERS WITH "H" SUFFIX WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN WAVE SOLDER, INFRA-RED OR VAPOR PHASE SOLDER PROCESS.

PART NUMBERS WITHOUT "H" SUFFIX WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR WAVE 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. ±.010/0.25 ON DIM "F" APPLIES TO THIS PART ONLY.
- 8. 5LB/2.3KG MAX INSERTION FORCE AND .25LB/.1KG MIN RETENTION FORCE PER RETENTIVE PIN USING .062/1.57 THICK CIRCUIT BOARDS AND RECOMMENDED HOLE PATTERN.
- 8. DETAIL N DIMENSIONS APPLY TO 2 POSITION PARTS ONLY
- 9. SECTION R-R DIMENSIONS ONLY APPLY TO RETENTION. PIN POSITIONS FOR 3 POSITION PARTS AND LARGER. RETENTION PIN POSITIONS LOCATED AT MANUFACTURES OPTION.
- 10. SECTION S-S DIMENSIONS APPLY TO DUAL RETENTION PIN POSITIONS ONLY. SEE PRODUCT PART NUMBER FOR SINGLE OR DUAL SIDE RETENTION. LOCATED AT MANUFACTURER'S OPTION.
- 11. THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- 12. PLATING OPTIONS:
PERFORMANCE PLATING WILL BE EITHER GOLD OR GXT ON POST OR TAIL, OPTIONALLY (78~295u"/2~7.5u) TIN ON TAIL.
- 13. THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS."



RECOMMENDED HOLE PATTERN

www.fciconnect.com		surface ISO 1302 ✓	tolerance std ISO 406 ISO 1101	projection A	INCH/MM
		TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	D.WHITING	04/07/93	ANGULAR	LINEAR	0x ±0.3 size A4 Scale 1:000
Eng	T.HANNA	04/07/93	0° ±2°	0.xx ±0.15	ECN N11-0118
Chr	T.HANNA	04/07/93	Product family	BERGSTIK	Spec ref
Appr	T.HANNA	04/07/93	Product family BERGSTIK		Spec ref
FCJ		BERGSTIK® II HEADER .100 SR R/A SELF-RET		69191	Rev. AJ
catalog no		CUSTOMER		sheet 2 of 4	



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1

2

3

4

A

B

C

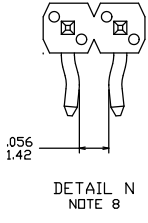
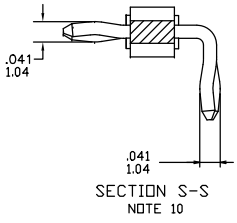
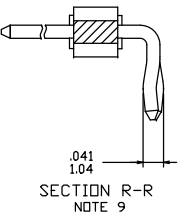
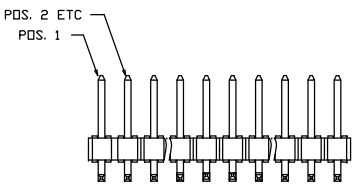
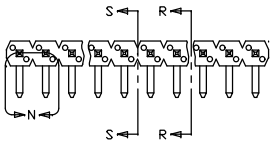
D

A

B

C

D



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www.fciconnect.com			surface ISO 1302	tolerance std ISO 406 ISO 1101	projection ASME Y14.5	INCH/MM
TOLERANCES UNLESS OTHERWISE SPECIFIED			ANGULAR	LINEAR	size A4	Scale 1.000
Dr	D.WHITING	04/07/93	0°	±2°	ECN	N11-0118
Eng	T.HANNA	04/07/93	0.0X	±0.3	ECN	N11-0118
Chr	T.HANNA	04/07/93	0.0XX	±0.15	ECN	N11-0118
Appr	T.HANNA	04/07/93	0.0XXX	±0.05	ECN	N11-0118
Product family			BERGSTIK		Spec ref	
FCI title			BERGSTIK® II HEADER .100 SR R/A SELF-RET		Rev. AJ	
catalog no			CUSTOMER		sheet 3 of 4	

REV 7 - 288-99-07

1

2

PDM: Rev:AJ

STATUS Released 4 Printed: Apr 19, 2011

PRODUCT NUMBER	1		2				3		4		LF OPTION
	MATING LENGTH		TAIL LENGTH		BEND DIM		RETENTION	PACKAGING	NOTES		
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H				LOCATION	
ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC						
69191-YYY	0.230	5.84	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS/TUBES	-	NOTE 1,11	
72375-XYH	0.240	6.10	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS	-		
78554-YYY	0.318	8.08	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS/TUBES	-		
78940-YYY	0.120	3.05	0.120	3.05	0.060	1.52	F MATE & G TAIL	POLY BAGS	7		
78952-YYY	0.120	3.05	0.318	8.08	0.135	3.43	F MATE	POLY BAGS	7		
79253-YYY	U N A V A I L A B L E										
84825-XYH	0.354	9.00	0.102	2.60	0.060	1.52	G TAIL	POLY BAGS	-		
84851-XYH	0.140	3.56	0.290	7.37	0.153	3.89	G TAIL	POLY BAGS	-		
86641-YYY	0.120	3.05	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS	-		
87018-YYY	U N A V A I L A B L E										
87844-YYY	U N A V A I L A B L E										
87965-YYY	U N A V A I L A B L E										
88869-YYY	0.120	3.05	0.230	5.84	0.135	3.43	F MATE	POLY BAGS	7		
90304-YYY	0.165	4.19	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS	-		
90604-YYY	U N A V A I L A B L E										
90609-YYY	U N A V A I L A B L E										
90638-YYY	0.120	3.05	0.262	6.65	0.060	1.52	F MATE	POLY BAGS/TUBES	7		
90640-YYY	0.120	3.05	0.262	6.65	0.127	3.23	F MATE	POLY BAGS	7		
94669-XYH	0.230	5.84	0.085	2.16	0.060	1.52	G TAIL	POLY BAGS	-		
94670-XYH	0.400	10.16	0.085	2.16	0.060	1.52	G TAIL	POLY BAGS	-	NOTE 1,11	



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www.fcjconnect.com		surface ISO 1302 <input checked="" type="checkbox"/>	tolerance std ISO 406 ISO 1101	projection 	INCH/MM
		TOLERANCES UNLESS OTHERWISE SPECIFIED			←
Dr	D.WHITING	04/07/93	ANGULAR	0X	±0.3
Eng	T.HANNA	04/07/93	LINEAR	0XX	±0.15
Chr	T.HANNA	04/07/93	0° ±2°	0XXX	±0.05
Appr	T.HANNA	04/07/93	Product family	BERGSTIK	Spec ref
	BERGSTIK® II HEADER .100 SR R/A SELF-RET		2	69191	Rev. AJ
catalog no	CUSTOMER		sheet 4 of 4		

REV 7 - 2004-07