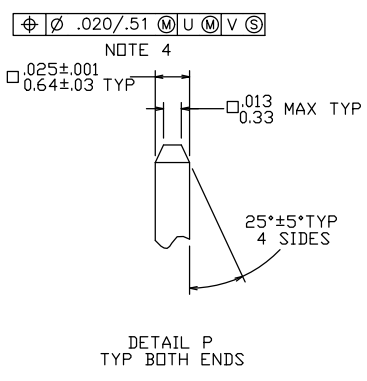
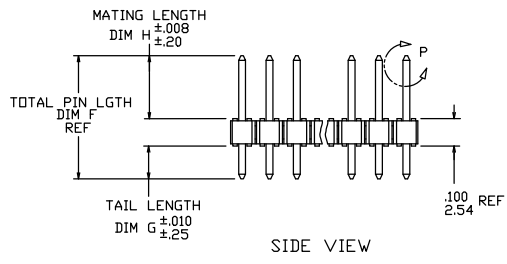
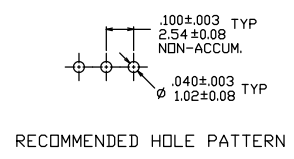
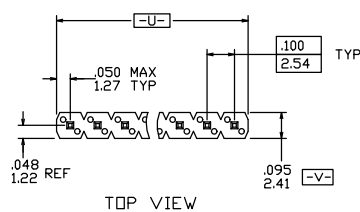


PRODUCT NUMBER
XXXXX-YYYHTLF

- 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.



NOTE 4
⊕ ∅ .020/.51 ⊕ U ⊕ V ⊕ S

rev	ecn no	dr	date
AE	V20790	GIP	4/24/02
AF	M04-0234	MHT	12/19/04
AG	M05-0072	MHT	5/03/05
AH	M06-0269	MNR	7/17/06
AJ	M06-0346	MHT	9/04/06
AK	M08-0291	MHT	10/06/08
AL	N11-0118	JZ	2011-04-11

www.fciconnect.com		surface ISO 1302	6.4	tolerance std ISO 406 ISO 1101	projection ISO 1101	INCH/MM
TOLERANCES UNLESS OTHERWISE SPECIFIED				0.X	±0.3	Scale 1.000
Dr	D. WHITING	4/19/93	ANGULAR	0.XX	±0.15	size A4
Eng	T.HANNA	4/19/93	LINEAR	0.XXX	±0.05	ECN N11-0118
Chr	T. BREWBAKER	4/19/93	0° ±2°			
Appr	T.HANNA	4/19/93	Product family	BERGSTIK	Spec ref	
FCJ		BERGSTIK® II HEADER		2	69190	Rev. AL
catalog no				1	CUSTOMER	sheet 1 of 4



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REV 7 - 2004-07

1 2 3 4

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 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 FILLED 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 TOL APPLIES TO ALL 'G' TAILS EXCEPT INDICATED PARTS ON TABLE WHERE +.010/0.25 -.000/0.00 APPLIES.
 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 MANUFACTURER'S OPTION.
 10. 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.
 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."



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		TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	D. WHITING	4/19/93	ANGULAR	LINEAR	0X ±0.3 size A4 Scale 1:000
Eng	T.HANNA	4/19/93	0° ±2°	0XX ±0.15	ECN N11-0118
Chr	T. BREWBAKER	4/19/93	Product family	BERGSTIK	Spec ref
Appr	T.HANNA	4/19/93			
FCI		BERGSTIK® II HEADER		2	69190
catalog no		.100 SR SELF-RET		Rev.	AL
				CUSTOMER	sheet 2 of 4

REV F - 2008-06-17

1 2 3 4 PDM: Rev:AL STATUS Released 4 Printed: Apr 19, 2011

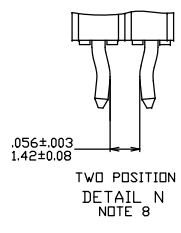
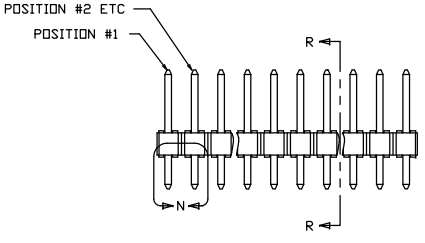
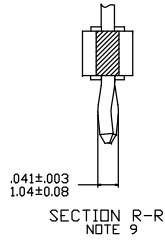
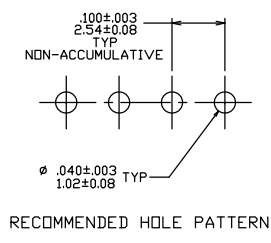
1 2 3 4

A

B

C

D



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www.fciconnect.com			surface ISO 1302 ✓	tolerance std ISO 406 ISO 1101	projection ISO 1101	INCH/MM	
TOLERANCES UNLESS OTHERWISE SPECIFIED			ANGULAR	LINEAR	0X	±0.3	size A4
Dr	D. WHITING	4/19/93	0°	±2°	0XX	±0.15	Scale 1.000
Eng	T.HANNA	4/19/93	Product family		0XXX	±0.05	ECN N11-0118
Chr	T. BREWBAKER	4/19/93	Product family		Spec ref		
Appr	T.HANNA	4/19/93	Product family		Spec ref		
FCI			title		part no		Rev.
catalog no			BERGSTIK® II HEADER .100 SR SELF-RET		69190		AL
					CUSTOMER		sheet 3 of 4

REV 7 - 288-99-07

1 2

PDM: Rev:AL STATUS Released 4 Printed: Apr 19, 2011

PRODUCT NUMBER	1		2				3		PACKAGING	NOTE	LF OPTION
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H					
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC					
69190-XYX	0.450	11.43	0.120	3.05	0.230	5.84		POLY BAGS/TUBES	-	NOTE 1,11	
72348-XYXH	0.515	13.08	0.120	3.05	0.295	7.49		POLY BAGS	-		
78229-XYX	0.538	13.67	0.120	3.05	0.318	8.08		POLY BAGS/TUBES	-		
78250-XYX	U N A V A I L A B L E										
78538-XYX	0.620	15.75	0.120	3.05	0.400	10.16		POLY BAGS	-		
78594-XYX	0.760	19.30	0.120	3.05	0.540	13.72		POLY BAGS	-		
79429-XYX	0.695	17.65	0.120	3.05	0.475	12.07		POLY BAGS	-		
79978-XYX	0.450	11.43	0.120	3.05	0.230	5.84		POLY BAGS/TUBES	7		
86505-XYX	0.440	11.18	0.120	3.05	0.220	5.59		POLY BAGS	-		
87036-XYX	0.830	21.08	0.120	3.05	0.610	15.49		POLY BAGS	-		
87068-XYX	0.530	13.46	0.115	2.92	0.315	8.00		POLY BAGS	-		
87280-XYX	1.000	25.40	0.120	3.05	0.780	19.81		POLY BAGS	-		
87452-XYX	0.840	21.34	0.120	3.05	0.620	15.75		POLY BAGS	-		
87453-XYX	0.990	25.15	0.120	3.05	0.770	19.56		POLY BAGS	-		
87918-XYX	0.730	18.54	0.120	3.05	0.510	12.95		POLY BAGS	-		
90603-XYX	0.430	10.92	0.100	2.54	0.230	5.84		POLY BAGS	-		
90610-XYX	0.927	23.55	0.100	2.54	0.727	18.47		POLY BAGS	-		
94549-XYXH	0.415	10.54	0.085	2.16	0.230	5.84		POLY BAGS	-	NOTE 1,11	



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		TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	D. WHITING	4/19/93	ANGULAR	LINEAR	0X ±0.3
Eng	T.HANNA	4/19/93			0XX ±0.15
Chr	T. BREWBAKER	4/19/93	0° ±2°		0XXX ±0.05
Appr	T.HANNA	4/19/93	Product family	BERGSTIK	Spec ref
FCI		title		69190	Rev. AL
catalog no				CUSTOMER	sheet 4 of 4

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