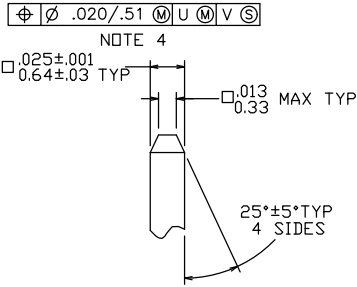
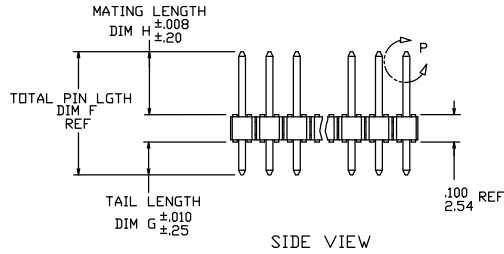
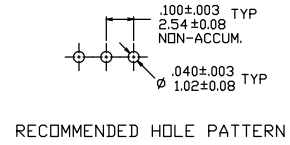
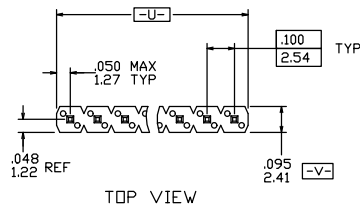


PRODUCT NUMBER
XXXXX-YYYHTLF

- 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
 $\oplus \ominus \varnothing .020 / .51 \text{ (U) (V) (S)}$

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

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 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."



Copyright FCI.

www.fciconnect.com		surface ISO 1302 ✓	tolerance std ISO 406 ISO 1101	projection ASME Y14.5	INCH/MM
		TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	D. WHITING	4/19/93	ANGULAR	LINEAR	0X ±0.3 0XX ±0.15 0XXX ±0.05
Eng	T.HANNA	4/19/93	0° ±2°		size A4 Scale 1:000
Chr	T. BREWBAKER	4/19/93			ECN N11-0118
Appr	T.HANNA	4/19/93	Product family	BERGSTIK	Spec ref
FCI		BERGSTIK® II HEADER		2	69190
catalog no		.100 SR SELF-RET		Rev.	AL
				CUSTOMER	sheet 2 of 4

REV F - 2008-06-17

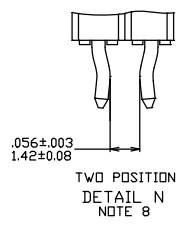
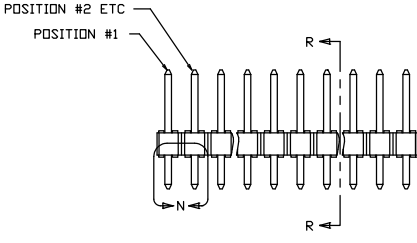
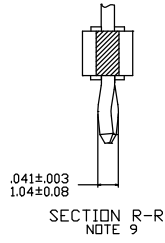
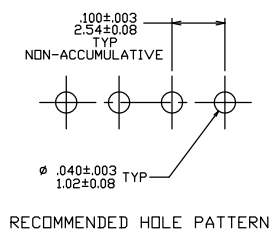
1 2 3 4

A

B

C

D



Copyright FCI.

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

REV 7 - 288-99-07

1 2

PDM: Rev:AL STATUS Released 4 Printed: Apr 20, 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-XY	0.450	11.43	0.120	3.05	0.230	5.84	POLY BAGS/TUBES	-	NOTE 1,11 ↓
72348-XYH	0.515	13.08	0.120	3.05	0.295	7.49	POLY BAGS	-	
78229-XY	0.538	13.67	0.120	3.05	0.318	8.08	POLY BAGS/TUBES	-	
78250-XY	UNAVAILABLE							-	
78538-XY	0.620	15.75	0.120	3.05	0.400	10.16	POLY BAGS	-	
78594-XY	0.760	19.30	0.120	3.05	0.540	13.72	POLY BAGS	-	
79429-XY	0.695	17.65	0.120	3.05	0.475	12.07	POLY BAGS	-	
79978-XY	0.450	11.43	0.120	3.05	0.230	5.84	POLY BAGS/TUBES	7	
86505-XY	0.440	11.18	0.120	3.05	0.220	5.59	POLY BAGS	-	
87036-XY	0.830	21.08	0.120	3.05	0.610	15.49	POLY BAGS	-	
87068-XY	0.530	13.46	0.115	2.92	0.315	8.00	POLY BAGS	-	
87280-XY	1.000	25.40	0.120	3.05	0.780	19.81	POLY BAGS	-	
87452-XY	0.840	21.34	0.120	3.05	0.620	15.75	POLY BAGS	-	
87453-XY	0.990	25.15	0.120	3.05	0.770	19.56	POLY BAGS	-	
87918-XY	0.730	18.54	0.120	3.05	0.510	12.95	POLY BAGS	-	
90603-XY	0.430	10.92	0.100	2.54	0.230	5.84	POLY BAGS	-	
90610-XY	0.927	23.55	0.100	2.54	0.727	18.47	POLY BAGS	-	
94549-XYH	0.415	10.54	0.085	2.16	0.230	5.84	POLY BAGS	-	



Copyright FCI.

www.fciconnect.com		surface ISO 1302 ✓	tolerance std ISO 406 ISO 1101	projection ASME	INCH/MM
TOLERANCES UNLESS OTHERWISE SPECIFIED		ANGULAR	LINEAR	size A4	Scale 1:1000
Dr: D. WHITING	4/19/93	0°	±2°	0XX	±0.15
Eng: T. HANNA	4/19/93	0°	±2°	0XXX	±0.05
Chr: T. BREWBAKER	4/19/93	Product family BERGSTIK		ECN N11-0118	Spec ref
Appr: T. HANNA	4/19/93	Product family BERGSTIK		ECN N11-0118	Spec ref
FCI	title	BERGSTIK® II HEADER .100 SR SELF-RET		part no	69190
Rev. AL	catalog no	CUSTOMER		sheet 4 of 4	

REV 7 - 2004-07