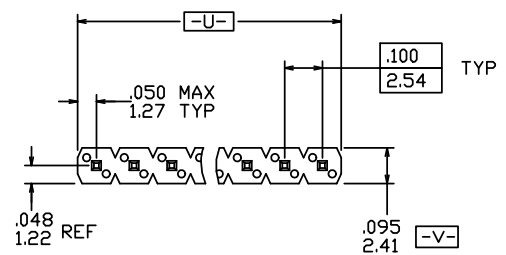




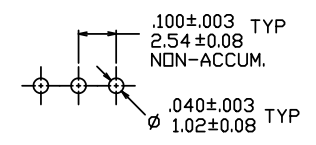
Copyright FCI.

PRODUCT NUMBER
XXXXX-YYYHTLF

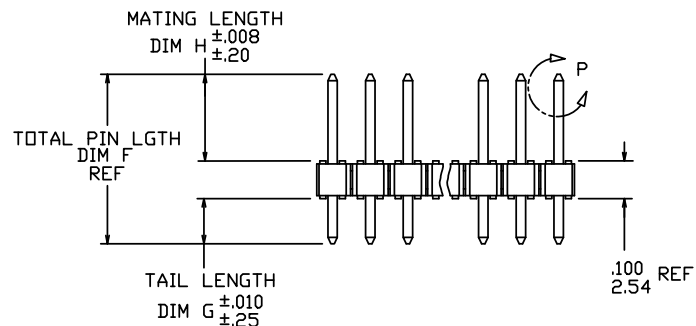
- LEAD FREE OPTION
SEE NOTE 1,11
- TUBE PACKAGING OPTION
SEE NOTE 1
- HIGH TEMPERATURE PLASTIC
SEE NOTE 1
- NO. OF
POSITIONS
SEE NOTE 1
- PIN PLATING
SEE SHEET 2
- BASE PART NO.



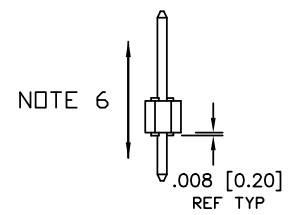
TOP VIEW



RECOMMENDED HOLE PATTERN



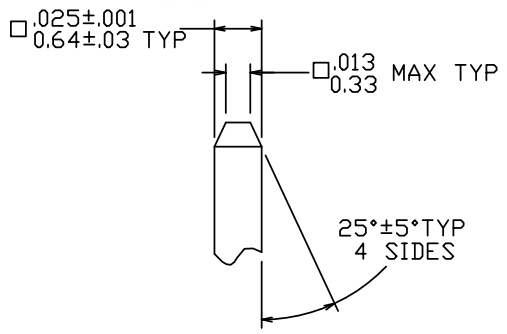
SIDE VIEW



END VIEW

Ø .020/.51 (M) U (M) V (S)

NOTE 4



DETAIL P
TYP BOTH ENDS

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	J.Z	2011-04-11

www.fciconnect.com			surface 6.4 ISO 1302		tolerance std ISO 406 ISO 1101		projection 		INCH/MM 	
			TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	D. WHITING	4/19/93	ANGULAR LINEAR		0.X		±0.3		size A4	Scale 1.000
Eng	T.HANNA	4/19/93			0.XX		±0.15			
Chr	T. BREWBAKER	4/19/93	0° ±2°		0.XXX		±0.05		ECN N11-0118	
Appr	T.HANNA	4/19/93	Product family BERGSTIK				Spec ref			
			title BERGSTIK® II HEADER .100 SR SELF-RET					dwg 69190		Rev. AL
catalog no								CUSTOMER		sheet 1 of 4

PIN PLATING CODES:

XXXXX-1YY	30u"/0.76u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXXX-2YY	15u"/0.38u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXXX-3YY	50u"/1.27u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXXX-4YY	100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 13)
XXXXX-4YYHLF	
XXXXX-5YY	15u"/0.38u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXXX-6YY	30u"/0.76u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXXX-7YY	30u"/0.76u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXXX-8YY	15u"/0.38u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXXX-9YY	15u"/0.38u MIN (SEE NOTE 12) OVER 50u"/1.27u MIN Ni
XXXXX-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 RETARDENT PER UL-94V-0.

COLOR: BLACK. OR MINERAL FILLED LCP, COLOR BLACK FLAME RETARDENT 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."

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

1

2

3

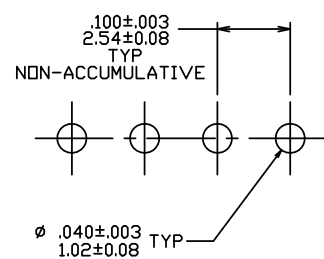
4

A

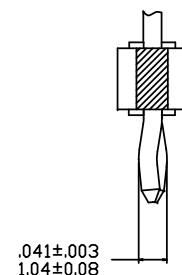
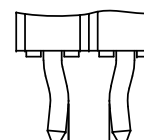
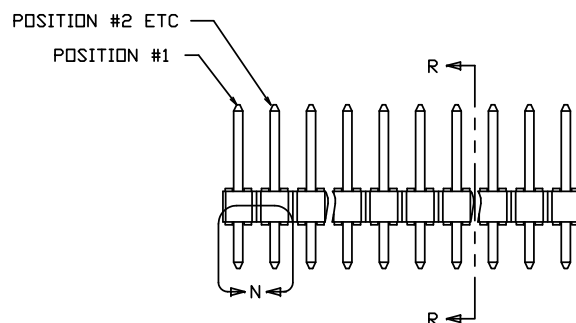
B

A

B



RECOMMENDED HOLE PATTERN

SECTION R-R
NOTE 9TWO POSITION
DETAIL N
NOTE 8

C

D

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

REV F - 2006-04-17

1

2

PDM: Rev:AL

STATUS Released 4 Printed: Apr 20, 2011

D



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1			2				3		4	
PRODUCT NUMBER	TOTAL PIN LENGTH		TAIL LENGTH		MATING LENGTH				LF OPTION	
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H	PACKAGING	NOTE		
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC				
69190-YYY	0.450	11.43	0.120	3.05	0.230	5.84	POLY BAGS/TUBES	—	NOTE 1,11 ↓	
72348-XXYH	0.515	13.08	0.120	3.05	0.295	7.49	POLY BAGS	—		
78229-YYY	0.538	13.67	0.120	3.05	0.318	8.08	POLY BAGS/TUBES	—		
78250-YYY	U N A V		A I L A B L E					—		
78538-YYY	0.620	15.75	0.120	3.05	0.400	10.16	POLY BAGS	—		
78594-YYY	0.760	19.30	0.120	3.05	0.540	13.72	POLY BAGS	—		
79429-YYY	0.695	17.65	0.120	3.05	0.475	12.07	POLY BAGS	—		
79978-YYY	0.450	11.43	0.120	3.05	0.230	5.84	POLY BAGS/TUBES	7		
86505-YYY	0.440	11.18	0.120	3.05	0.220	5.59	POLY BAGS	—		
87036-YYY	0.830	21.08	0.120	3.05	0.610	15.49	POLY BAGS	—		
87068-YYY	0.530	13.46	0.115	2.92	0.315	8.00	POLY BAGS	—		
87280-YYY	1.000	25.40	0.120	3.05	0.780	19.81	POLY BAGS	—		
87452-YYY	0.840	21.34	0.120	3.05	0.620	15.75	POLY BAGS	—		
87453-YYY	0.990	25.15	0.120	3.05	0.770	19.56	POLY BAGS	—		
87918-YYY	0.730	18.54	0.120	3.05	0.510	12.95	POLY BAGS	—		
90603-YYY	0.430	10.92	0.100	2.54	0.230	5.84	POLY BAGS	—		
90610-YYY	0.927	23.55	0.100	2.54	0.727	18.47	POLY BAGS	—		
94549-XXYH	0.415	10.54	0.085	2.16	0.230	5.84	POLY BAGS	—	NOTE 1,11	

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