

## Excellent Integrated System Limited

Stocking Distributor

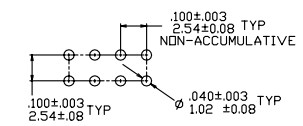
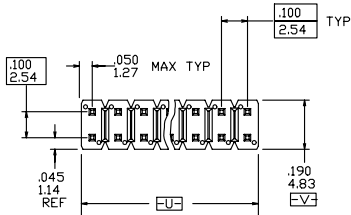
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[FCI](#)  
[69192-224HLF](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

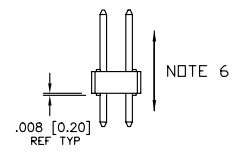
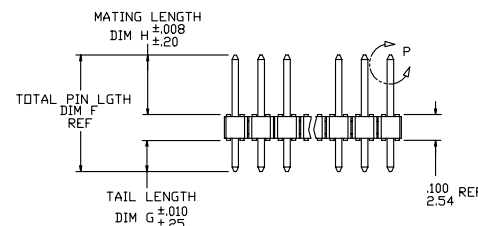
PRODUCT NUMBER  
XXXXX-YYHILF

- LEAD FREE OPTION  
SEE NOTE 1,10
- 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.



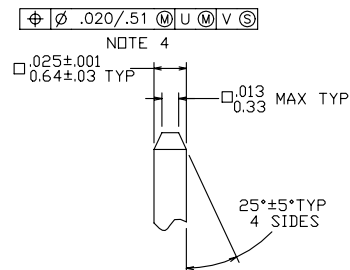
TOP VIEW

RECOMMENDED HOLE PATTERN



SIDE VIEW

END VIEW



DETAIL P  
TYP BOTH ENDS

ELX-N-16105

www.fciconnect.com		surface 6.4 / tolerance std ISO 1302 / ISO 406 / ISO 1101	projection	INCH/MM
		TOLERANCES UNLESS OTHERWISE SPECIFIED	size A4	Scale 1.000
Dr	T. BREWBAKER	7/29/94	size A4	Scale 1.000
Eng	T.HANNA	7/29/94	size A4	Scale 1.000
Chr	J. MURPHY	7/29/94	size A4	Scale 1.000
Appr	T.HANNA	7/29/94	size A4	Scale 1.000
rev	ecn no	dr	date	
AP	ELX-N-16105	ZK	2013-10-22	
AJ	M05-0072	MHT	5/03/05	
AK	M06-0269	MHT	7/17/06	
AL	M06-0346	MHT	9/04/06	
AM	M08-0291	MHT	10/06/08	
AN	N11-0118	JZ	2011-04-12	
title BERGSTIK® II HEADER		part no 69192	Rev. AP	
catalog no		CUSTOMER	sheet 1 of 4	

REV F - 08-94-07



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PIN PLATING CODES:	
XXXXX-1YY	30u"/0.76u MIN (SEE NOTE 11) OVER 50u"/1.27u MIN Ni
XXXXX-2YY	15u"/0.38u MIN (SEE NOTE 11) OVER 50u"/1.27u MIN Ni
XXXXX-3YY	50u"/1.27u MIN (SEE NOTE 11) OVER 50u"/1.27u MIN Ni
XXXXX-4YY	100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 12)
XXXXX-4YYHLF	
XXXXX-5YY	15u"/0.38u MIN (SEE NOTE 11) OVER 50u"/1.27u MIN Ni
XXXXX-6YY	30u"/0.76u MIN (SEE NOTE 11) OVER 50u"/1.27u MIN Ni
XXXXX-7YY	30u"/0.76u MIN (SEE NOTE 11) OVER 50u"/1.27u MIN Ni
XXXXX-8YY	15u"/0.38u MIN (SEE NOTE 11) OVER 50u"/1.27u MIN Ni
XXXXX-9YY	15u"/0.38u MIN (SEE NOTE 11) OVER 50u"/1.27u MIN Ni
XXXXX-0YY	30u"/0.76u MIN (SEE NOTE 11) 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 (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 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. ±0.10/0.25 TOL. APPLIES TO ALL 'G' TAILS EXCEPT INDICATED PARTS ON TABLE WHERE +0.10/0.25, -0.00/0.00 APPLIES.
- ⑧. SECTION R-R DIMENSIONS APPLY TO RETENTION PIN POSITIONS ONLY LOCATED AT MANUFACTURES OPTION.
- 9. 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.
- ⑩. THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- ⑪. PLATING OPTIONS: PERFORMANCE PLATING WILL BE EITHER GOLD OR GXT ON POST OR TAIL, OPTIONALLY (78~295u"/2~7.5u) TIN ON TAIL.
- ⑫. "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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www.fciconnect.com			surface ISO 1302 ✓	tolerance std ISO 406 ISO 1101	projection 	INCH/MM
			TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	T. BREWBAKER	7/29/94	ANGULAR	LINEAR	0.X ±0.3	size A4 Scale 1.000
Eng	T.HANNA	7/29/94			0.XX ±0.15	
Chr	J. MURPHY	7/29/94	0' ±2'		0.XXX ±0.05	ECN
Appr	T.HANNA	7/29/94	Product family	BERGSTIK		Spec ref
	title	BERGSTIK® II HEADER .100/2.54 DR SELF-RET		2	69192	Rev. AP
	catalog no				CUSTOMER	sheet 2 of 4

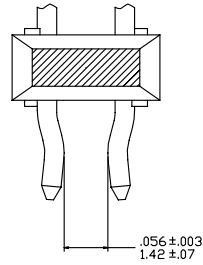
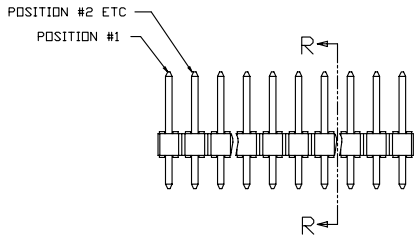
REV F - 2006-04-07

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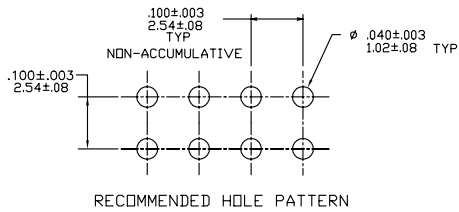
B

C

D



SECTION R-R  
NOTE 8



RECOMMENDED HOLE PATTERN



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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			Scale 1.000
Dr	T. BREWBAKER	7/29/94	ANGULAR	0.X	±0.3	size A4
Eng	T.HANNA	7/29/94	LINEAR	0.XX	±0.15	
Chr	J. MURPHY	7/29/94	0° ±2°	0.XXX	±0.05	ECN
Appr	T.HANNA	7/29/94	Product family	BERGSTIK	Spec ref	
	title BERGSTIK® II HEADER .100/2.54 DR SELF-RET		part no 69192		Rev. AP	
catalog no		CUSTOMER		sheet 3 of 4		

REV F - 2006-06-07

1

2

3

PDS: Rev :AP

STATUS:Released

Printed: Oct 29, 2013

A

B

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D

A

B

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D

A

B

C

D

PRODUCT NUMBER	TOTAL PIN LENGTH		TAIL LENGTH		MATING LENGTH		PACKAGING	NOTES	LF OPTION
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H			
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC			
69192-XXX	0.450	11.43	0.120	3.05	0.230	5.84	POLY BAGS/TUBES		NOTE 1,10
78252-XXX	UNAVAILABLE								
78548-XXX	0.538	13.67	0.120	3.05	0.318	8.08	POLY BAGS		
78577-XXX	0.650	16.51	0.120	3.05	0.430	10.92	POLY BAGS		OB
79214-XXX	0.620	15.75	0.120	3.05	0.400	10.16	POLY BAGS		OB
79979-XXX	0.450	11.43	0.120	3.05	0.230	5.84	POLY BAGS/TUBES	7	OB
86380-XXX	0.470	11.94	0.120	3.05	0.250	6.35	POLY BAGS		
86584-XXX	0.760	19.30	0.120	3.05	0.540	13.72	POLY BAGS		OB
87444-XXX	1.090	27.69	0.125	3.18	0.865	21.97	POLY BAGS		OB
87456-XXX	0.840	21.34	0.120	3.05	0.620	15.75	POLY BAGS		OB
87457-XXX	0.990	25.15	0.120	3.05	0.770	19.56	POLY BAGS		OB
87837-XXX	0.585	14.86	0.120	3.05	0.365	9.27	POLY BAGS		OB
87920-XXX	0.830	21.08	0.120	3.05	0.610	15.49	POLY BAGS		OB
88526-XXX	1.340	34.04	0.120	3.05	1.120	28.45	POLY BAGS		OB
88714-XXX	0.640	16.26	0.120	3.05	0.420	10.67	POLY BAGS		OB
89580-XXX	0.930	23.62	0.120	3.05	0.710	18.03	POLY BAGS		OB
90824-XXX	0.420	10.67	0.120	3.05	0.200	5.08	POLY BAGS		
94654-XXYH	0.415	10.54	0.085	2.16	0.230	5.84	POLY BAGS		
95066-XXYH	1.240	31.50	0.120	3.05	1.020	25.91	POLY BAGS		NOTE 1,10
95654-XXYH	0.880	22.35	0.120	3.05	0.660	16.76	POLY BAGS		OB
98845-XXYH	0.572	14.54	0.120	3.00	0.354	9.00	POLY BAGS/TUBES		OB
10002463-XXYH	0.503	12.78	0.085	2.16	0.318	8.08	POLY BAGS		OB



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Eng	T.HANNA	7/29/94			0.XX ±0.15	
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Appr	T.HANNA	7/29/94	Product family BERGSTIK		Spec ref	
	title	BERGSTIK® II HEADER .100/2.54 DR SELF-RET		part no	69192	Rev. AP
	catalog no			CUSTOMER	sheet 4 of 4	

REV F - 086-06-07

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