

Excellent Integrated System Limited

Stocking Distributor

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

[FCI](#)
[86641-414HLF](#)

For any questions, you can email us directly:
sales@integrated-circuit.com

A

B

C

D

A

B

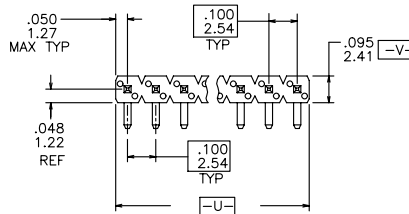
C

D

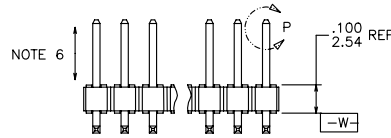
PRODUCT NUMBER

XXXXX-YYY HTLF

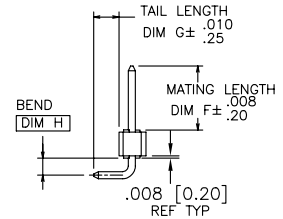
- LEAD FREE OPTION
SEE NOTE 1,11
- TUBE PACKAGING OPTION
SEE NOTE 1
- HIGH TEMPERATURE PLASTIC
SEE NOTE 1
- NO OF POSITIONS
SEE NOTE 1
- PIN PLATING
SEE SHEET 2
- BASE PART NO.



TOP VIEW

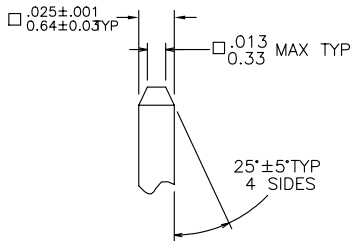


SIDE VIEW



END VIEW

⊕ ∅.020/0.51 (M) U (M) V (S) W
NOTE 4



DETAIL P
TYP BOTH ENDS

www.fciconnect.com			surface 6.4	tolerance std	projection	INCH/MM
			ISO 1302	ISO 406 ISO 1101	⊕	↔
			TOLERANCES UNLESS OTHERWISE SPECIFIED		size	Scale
Dr	D.WHITING	04/07/93	ANGULAR	0.X	±0.3	A4
Eng	T.HANNA	04/07/93	LINEAR	0.XX	±0.15	1.000
Chr	T.HANNA	04/07/93	0° ±°	0.XXX	±0.05	ECN
Appr	T.HANNA	04/07/93	Product family	BERGSTIK		Spec ref
rev	ecr no	dr	date	FCI		Rev.
AK	ELX-N-16105	ZK	2013-10-22	BERGSTIK® II HEADER		69191
AL	ELX-N-17149	ZK	2014-03-07	.100 SR R/A SELF-RET		AL
CU	M05-0072	MHT	5/03/05	catalog no	CUSTOMER	sheet 1 of 4
CV	M06-0435	MHT	10/31/06			
AH	M08-0291	MHT	10/06/08			
AJ	N11-0118	JZ	2011-04-11			

REV F - 2004-04-07

1

2

3

PDS: Rev :AL

STATUS:Released

Printed: Mar 10, 2014



Copyright FCI

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 1,13)
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 RETARDANT PER UL-94V-0.

COLOR: BLACK OR

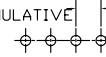
MINERAL FILLES LCP, COLOR BLACK
FLAME RETARDANT PER UL-94V-0

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."

.100±.003 [2.54±.08]
TYP. NON-ACCUMULATIVE
Ø.040±.003 [1.02±.08]
TYP.



RECOMMENDED HOLE PATTERN

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



Copyright FCI.

A

B

C

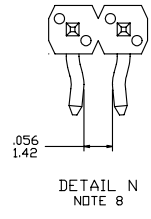
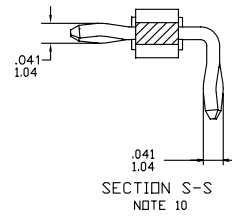
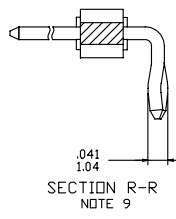
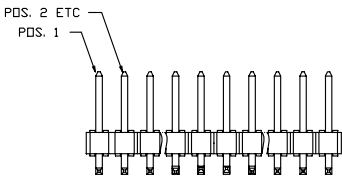
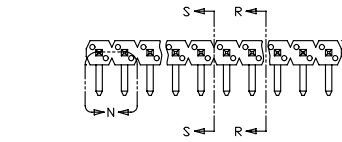
D

A

B

C

D



Copyright FCI.

www.fciconnect.com		surface ISO 1302	tolerance std ISO 406 ISO 1101	projection INCH/MM
TOLERANCES UNLESS OTHERWISE SPECIFIED		0.X	±0.3	size A4
Dr	D.WHITING	04/07/93	ANGULAR	LINEAR
Eng	T.HANNA	04/07/93	0° ±2°	0.XX ±0.15
Chr	T.HANNA	04/07/93	0° ±2°	0.XXX ±0.05
Appr	T.HANNA	04/07/93	Product family	BERGSTIK
title		BERGSTIK® II HEADER		69191
catalog no		.100 SR R/A SELF-RET		Rev. AL
		CUSTOMER		sheet 3 of 4

REV F - 086-04-07

1

2

3

PDS: Rev :AL

STATUS:Released

Printed: Mar 10, 2014

PRODUCT NUMBER	MATING LENGTH		TAIL LENGTH		BEND DIM		RETENTION	PACKAGING	NOTES	LF OPTION
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H				
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	LOCATION			
69191-XYX	0.230	5.84	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS/TUBES	-	NOTE 1,11
72375-XYXH	0.240	6.10	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS	-	OB
78554-XYX	0.318	8.08	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS/TUBES	-	
78940-XYX	0.120	3.05	0.120	3.05	0.060	1.52	F MATE & G TAIL	POLY BAGS	7	OB
78952-XYX	0.120	3.05	0.318	8.08	0.135	3.43	F MATE	POLY BAGS	7	OB
79253-XYX	UNAVAILABLE									
84825-XYXH	0.354	9.00	0.102	2.60	0.060	1.52	G TAIL	POLY BAGS	-	OB
84851-XYXH	0.140	3.56	0.290	7.37	0.153	3.89	G TAIL	POLY BAGS	-	OB
86641-XYX	0.120	3.05	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS	-	
87018-XXX	UNAVAILABLE									
87844-XXX	UNAVAILABLE									
87965-XXX	UNAVAILABLE									
88869-XXX	0.120	3.05	0.230	5.84	0.135	3.43	F MATE	POLY BAGS	7	OB
90304-XXX	0.165	4.19	0.120	3.05	0.060	1.52	G TAIL	POLY BAGS	-	OB
90604-XXX	UNAVAILABLE									
90609-XXX	UNAVAILABLE									
90638-XXX	0.120	3.05	0.262	6.65	0.060	1.52	F MATE	POLY BAGS/TUBES	7	OB
90640-XXX	0.120	3.05	0.262	6.65	0.127	3.23	F MATE	POLY BAGS	7	OB
94669-XYXH	0.230	5.84	0.085	2.16	0.060	1.52	G TAIL	POLY BAGS	-	OB
94670-XYXH	0.400	10.16	0.085	2.16	0.060	1.52	G TAIL	POLY BAGS	-	OB
10100500-XYXH	0.177	4.50	0.120	3.05	0.043	1.10	G TAIL	POLY BAGS	-	OB



Copyright FCI.

www.fciconnect.com		surface ISO 1302	tolerance std ISO 406 ISO 1101	projection 	INCH/MM
		TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	D.WHITING	04/07/93	ANGULAR	LINEAR	size A4
Eng	T.HANNA	04/07/93			Scale 1.000
Chr	T.HANNA	04/07/93	0° ±2°	0.xxx ±0.05	ECN
Appr	T.HANNA	04/07/93	Product family	BERGSTIK	Spec ref
	title	BERGSTIK® II HEADER .100 SR R/A SELF-RET		69191	Rev. AL
	catalog no			CUSTOMER	sheet 4 of 4

REV F - 086-06-07