

Excellent Integrated System Limited

Stocking Distributor

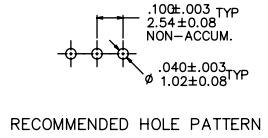
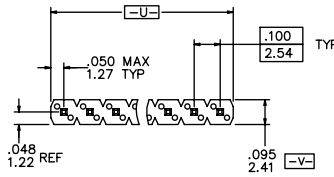
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[FCI](#)
[69190-436](#)

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

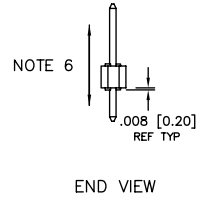
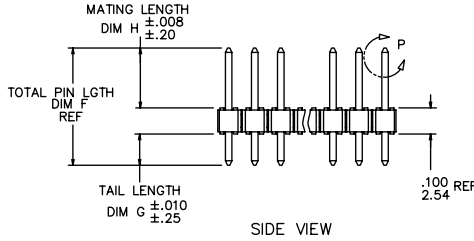
PRODUCT NUMBER
XXXXX-YYH TLF

- 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.

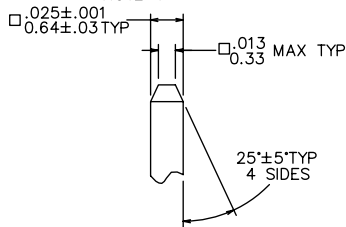


PRODUCT NUMBER
69190-XXXXX HALF

- LEAD FREE OPTION
SEE NOTE 1,11
- PACKAGING OPTION
SEE NOTE 1
- HIGH TEMPERATURE PLASTIC
SEE NOTE 1
- INDICATE DIFFERENT MATING LENGTH
AND TAIL LENGTH
- NO OF POSITIONS
SEE NOTE 1
- PIN PLATING
SEE SHEET 2
- BASE PART NO.



⊕ ∅ .020/.51 (M) U (M) V (S)



mat'l. code	surface	tolerance	projection	product family
NOTES 2 & 3	ISO 1302	ISO 406 ISO 1101	1st angle	BERGSTIK
ltr	ecr no	dr	date	title
AM	EX-N-13674	DCS	2012-12-12	BERGSTIK® II HEADER
AN	EX-N-16105	ZK	2013-10-22	.100/2.54 SR SELF-RET
AP	EX-N-19414	HJ	2014-11-13	
		dr	D. WHITING	4/19/93
AJ	M06-0346	MHT	9/04/06	enr T.HANNA 4/19/93
AK	M08-0291	MHT	10/06/08	chr T. BREWBAKER 4/19/93
AL	N11-0118	J.Z	2011-04-11	appd T.HANNA 4/19/93
sheet	revision	AP		
index	sheet	1-4		

FCI FCIconnect.com Copyright FCI

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

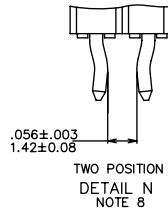
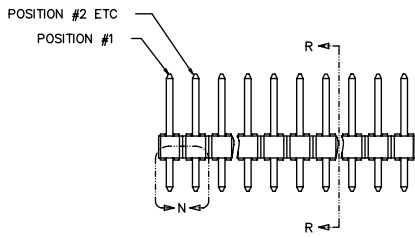
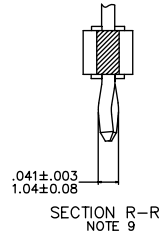
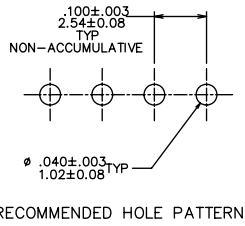
- PIN MATERIAL: PHOS-BRONZE.
- MEASURED WITH PART IN RESTRAINED CONDITION.
- TWO SIDES OF PIN TIPS NOT PLATED. TYPICAL BOTH ENDS.
- 2LBS/0.9KG MIN PIN RETENTION IN EITHER DIRECTION.
- $\pm 0.010/0.25$ TOL APPLIES TO ALL "G" TAILS EXCEPT INDICATED PARTS ON TABLE WHERE $+0.010/0.25 -0.000/0.00$ APPLIES.
- DETAIL N DIMENSIONS APPLY TO 2 POSITION PARTS ONLY
- SECTION R-R DIMENSIONS ONLY APPLY TO RETENTION. PIN POSITIONS FOR 3 POSITION PARTS AND LARGER. RETENTION PIN POSITIONS LOCATED AT MANUFACTURER'S OPTION.
- 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.
- THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- PLATING OPTIONS: PERFORMANCE PLATING WILL BE EITHER GOLD OR GXT ON POST OR TAIL, OPTIONALLY (78~295u"/2~7.5u) TIN ON TAIL.
- "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS."

NOTES

- 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.
EIGHT DIGIT PART NUMBERS FOLLOWED BY A "A" ARE PACKAGED IN TAPE AND REEL WITH PICKUP CAPS.
LEAD FREE:
ADD "HLF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION, NOT AVAILABLE FOR -5YY,-5YYH,-6YY & -6YYH.
- 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? 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? PEAK TEMPERATURE FOR WAVE SOLDER PROCESS.

mat'l. code		surface	tolerance	projection	product family
ISO 1302		ISO 406	ISO 1101		BERGSTIK
tr ecn no dr date		tolerances unless otherwise specified		title	
AP		angles	linear	BERGSTIK II HEADER	
		0°±2°	XXX/005/XXX/15	.100/2.54 SR SELF-RET	
		dr	D. WHITING 4/19/93	scale 1:1	
		enrg	T.HANNA 4/19/93	FCI	
		chr	T. BREWBAKER 4/19/93	dwg no sheet2 of 4 size	
		appd	T.HANNA 4/19/93	69190 A3	
sheet revision				type Product Customer Drawing	
index	sheet				

FCI FCIconnect.com Copyright FCI



mat'l. code		surface	tolerance	projection	product family
AP		ISO 1302	ISO 406		BERGSTIK
itr		tolerances unless otherwise specified		title	
ecn	no	dr	date	BERGSTIK II HEADER	
				.100/2.54 SR SELF-RET	
angles		linear	INCH/MM	scale 1:1	
0°±2°		dr	D. WHITING	4/19/93	dwg no
		enrg	T.HANNA	4/19/93	sheet 3 of 4
		chr	T. BREWBAKER	4/19/93	size
		appd	T.HANNA	4/19/93	A3
sheet		revision		type	
index	sheet			Product Customer Drawing	

FCI
FCIconnect.com
Copyright FCI

PRODUCT NUMBER	TOTAL PIN LENGTH		TAIL LENGTH		MATING LENGTH		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	-	OB
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	-	OB
78594-XY	0.760	19.30	0.120	3.05	0.540	13.72	POLY BAGS	-	OB
79429-XY	0.695	17.65	0.120	3.05	0.475	12.07	POLY BAGS	-	OB
79978-XY	0.450	11.43	0.120	3.05	0.230	5.84	POLY BAGS/TUBES	-7	OB
86505-XY	0.440	11.18	0.120	3.05	0.220	5.59	POLY BAGS	-	OB
87036-XY	0.830	21.08	0.120	3.05	0.610	15.49	POLY BAGS	-	OB
87068-XY	0.530	13.46	0.115	2.92	0.315	8.00	POLY BAGS	-	OB
87280-XY	1.000	25.40	0.120	3.05	0.780	19.81	POLY BAGS	-	OB
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	-	OB
87918-XY	0.730	18.54	0.120	3.05	0.510	12.95	POLY BAGS	-	OB
90603-XY	0.430	10.92	0.100	2.54	0.230	5.84	POLY BAGS	-	OB
90610-XY	0.927	23.55	0.100	2.54	0.727	18.47	POLY BAGS	-	OB
94549-XYH	0.415	10.54	0.085	2.16	0.230	5.84	POLY BAGS	-	OB
69190-XY001HLF	0.425	10.80	0.095	2.41	0.230	5.84	POLY BAGS	-	
69190-XY002HLF	0.378	9.59	0.120	3.05	0.157	4.00	POLY BAGS/TUBES	-	NOTE 1,11



Copyright FCI

mat'l. code		surface ISO 1302		tolerance ISO 406		projection		product family BERGSTIK	
itr ecn no dr date		tolerances unless otherwise specified		linear		INCH/MM		title	
AP		angles		0°±2'		scale 1:1		BERGSTIK II HEADER	
		dr D. WHITING 4/19/93		enr T. HANNA 4/19/93		chr T. BREWBAKER 4/19/93		dwg no 69190 sheet 4 of 4 size A3	
sheet index		revision sheet		appd T. HANNA 4/19/93		FCI		type Product Customer Drawing	