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PRODUCT NUMBER

XXXXX-YYYHTLF

LEAD FREE OPTION
SEE NOTE 1,11

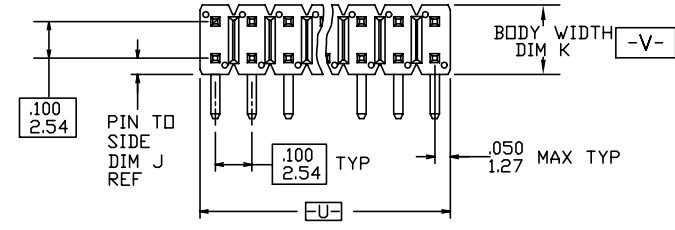
TUBE PACKAGING OPTION
SEE NOTE 1

HIGH TEMPERATURE PLASTIC
SEE NOTE 1

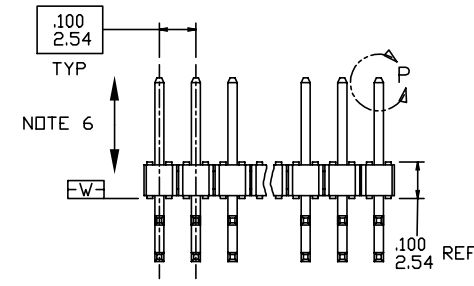
NO. OF
POSITIONS
SEE NOTE 1

PIN PLATING
SEE SHEET 2

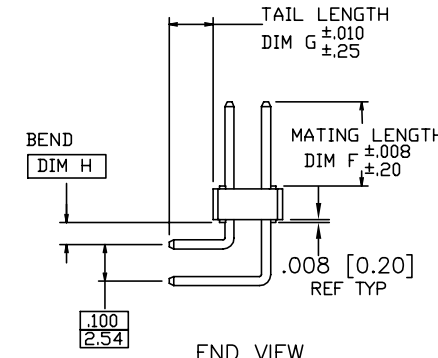
BASE PART NO.



TOP VIEW



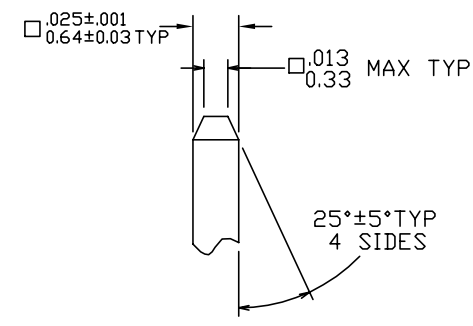
SIDE VIEW



END VIEW

⊕	∅	.020/.51	Ⓜ	U	Ⓜ	V	Ⓢ	W
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NOTE 4



DETAIL P
TYP BOTH ENDS

rev	ecn no	dr	date
AJ	ELX-N-16105	ZK	2013-10-22
AD	M05-0072	MHT	5/03/05
AE	M06-0269	MHT	7/17/06
AF	M06-0346	MHT	9/04/06
AG	M08-0291	MHT	10/06/08
AH	N11-0118	J.Z	2011-04-12

www.fciconnect.com			surface 6.4 ISO 1302	tolerance std ISO 406 ISO 1101	projection ISO 1101	INCH/MM
Dr	D. WITHING	4/08/93	ANGULAR LINEAR	0.X ±0.3	size	Scale
Eng	T.HANNA	4/08/93		0.XX ±0.15	A4	1.000
Chr	T.HANNA	4/08/93		0.XXX ±0.05	ECN	
Appr	T.HANNA	4/08/93	Product family	BERGSTIK	Spec ref	
FCI			title BERGSTIK® II HEADER .100 DR R/A SELF-RET			Rev.
catalog no			dwg no 69193			AJ
			CUSTOMER			sheet 1 of 4

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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 (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) ±.010/0.25 TOL. APPLIES TO ALL "G" TAILS EXCEPT INDICATED PARTS ON TABLE WHERE +.010/0.25,-.000/0.00 APPLIES.

(8) SECTION R-R DIMENSIONS APPLY SPECIFIED ENDS OF RETENTION PIN POSITIONS ONLY. SEE PRODUCT PART NUMBER FOR SINGLE OR DUAL SIDE RETENTION LOCATED AT MANUFACTURES OPTION.

(9) SECTION S-S DIMENSIONS APPLY TO DUAL RETENTION PIN POSITIONS ONLY, SEE PRODUCT PART NUMBER FOR SINGLE OR DUAL SIDE RETENTION. LOCATED AT MANUFACTURES OPTION.

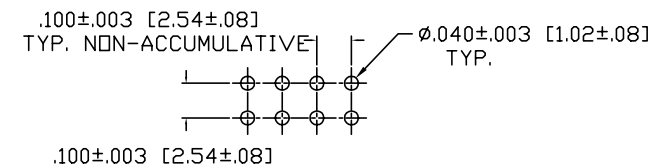
10. 5LB/2.3KG MAX INSERTION FORCE AND .25LB/.1KG MIN RETENTION FORCE PER RETENTIVE PIN USING .062/1.57 THICK CIRCUIT BOARDS AND RECOMMENDED HOLE PATTERN.

(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."

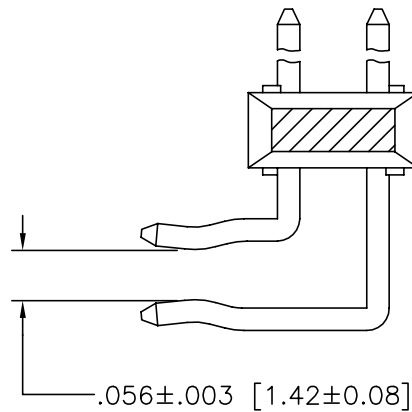
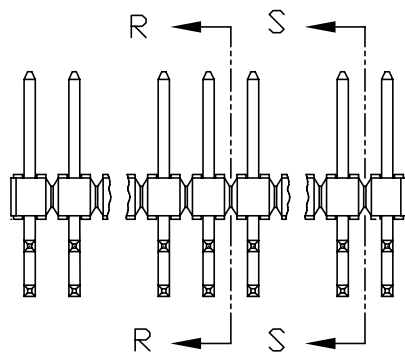


RECOMMENDED HOLE PATTERN

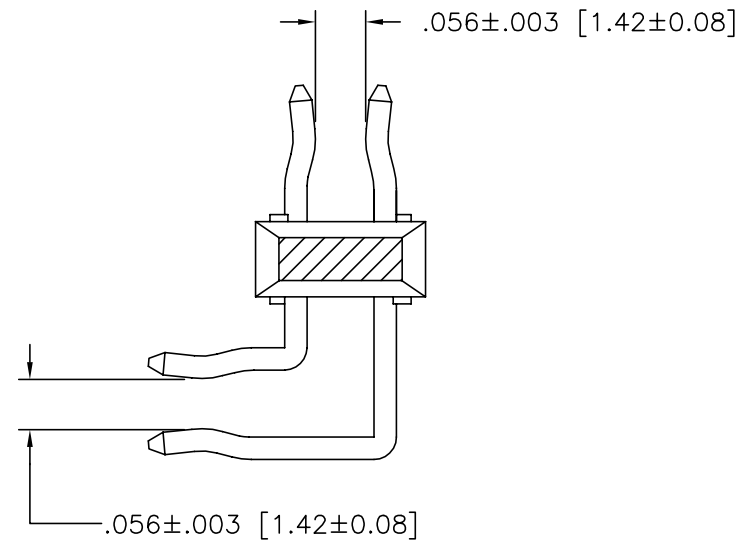
www.fciconnect.com			surface ISO 1302 ✓	tolerance std ISO 406 ISO 1101	projection ISO 1101	INCH/MM	
			TOLERANCES UNLESS OTHERWISE SPECIFIED				
Dr	D. WITHING	4/08/93	ANGULAR	LINEAR	0.X	±0.3	size A4
Eng	T.HANNA	4/08/93			0.XX	±0.15	
Chr	T.HANNA	4/08/93			0.XXX	±0.05	
Appr	T.HANNA	4/08/93	0" ±2"		ECN		
			Product family		Spec ref		
			BERGSTIK® II HEADER				
			.100 DR R/A SELF-RET				
			catalog no		CUSTOMER		sheet 2 of 4
					69193		Rev. AJ



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SECTION R-R
NOTE 8



SECTION S-S
NOTE 9

www.fciconnect.com			surface ISO 1302 ✓		tolerance std ISO 406 ISO 1101		projection 		INCH/MM 			
			TOLERANCES UNLESS OTHERWISE SPECIFIED									
Dr	D. WITHING	4/08/93	ANGULAR	LINEAR	0.X	±0.3	size A4	Scale 1.000				
Eng	T.HANNA	4/08/93			0.XX	±0.15						
Chr	T.HANNA	4/08/93			0.XXX	±0.05						
Appr	T.HANNA	4/08/93	Product family				BERGSTIK		Spec ref			
	title				BERGSTIK® II HEADER .100 DR R/A SELF-RET				dwg no		69193	Rev.
	catalog no								CUSTOMER		sheet 3 of 4	
											AJ	

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PRODUCT NUMBER	MATING LENGTH		TAIL LENGTH		BEND DIM.		PIN TO SIDE		BODY WIDTH		RETENTION	PACKAGING	NOTES	LF OPTION
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H	DIM J	DIM J	DIM K	DIM K				
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	LOCATION			
69193-XXY	0.230	5.84	0.120	3.05	0.060	1.52	0.045	1.14	0.190	4.83	G TAIL	POLY BAGS		OB NOTE 1,11 OB OB OB OB OB OB OB OB NOTE 1,11
78253-XXY														
78276-XXY	0.318	8.08	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	G TAIL	POLY BAGS/TUBES	-	
78299-XXY	0.230	5.84	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	G TAIL	POLY BAGS/TUBES	-	
86381-XXY	0.250	6.35	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	G TAIL	POLY BAGS	-	
87227-XXY	0.318	8.08	0.120	3.05	0.060	1.52	0.045	1.14	0.190	4.83	G TAIL	POLY BAGS	-	
87801-XXY														
87845-XXY	0.230	5.84	0.085	2.16	0.060	1.52	0.070	1.78	0.240	6.10	G TAIL	POLY BAGS/TUBES	7	
90305-XXY	0.165	4.19	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	G TAIL	POLY BAGS/TUBES	7	
93150-XXY	0.275	6.99	0.120	3.05	0.060	1.52	0.045	1.14	0.190	4.83	G TAIL	POLY BAGS	-	
93240-XXY	0.338	8.59	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	G TAIL	POLY BAGS	-	
94048-XXYH	0.380	9.65	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	G TAIL	POLY BAGS	-	

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A

B

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C

C

D

D

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www.fciconnect.com			surface ISO 1302 ✓		tolerance std ISO 406 ISO 1101		projection 		INCH/MM ←————→		
			TOLERANCES UNLESS		OTHERWISE SPECIFIED						
Dr	D. WITHING	4/08/93	ANGULAR	LINEAR	0.X	±0.3	size	A4	Scale		
Eng	T.HANNA	4/08/93			0.XX	±0.15	1.000				
Chr	T.HANNA	4/08/93			0.XXX	±0.05	ECN				
Appr	T.HANNA	4/08/93	Product family			BERGSTIK		Spec ref			
	title					BERGSTIK® II HEADER			dwg no	69193	Rev AJ
						.100 DR R/A SELF-RET					
	catalog no										
					CUSTOMER			sheet 4 of 4			

Mouser Electronics

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[86381-404HLF](#) [86381-406HLF](#) [86381-410HLF](#) [86381-412HLF](#) [86381-420HLF](#) [86381-422HLF](#) [86381-424HLF](#)
[86381-426HLF](#) [93150-206HLF](#) [93150-216HLF](#)