

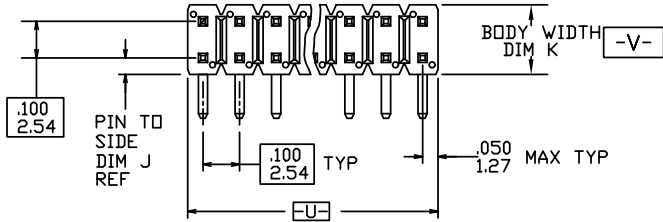


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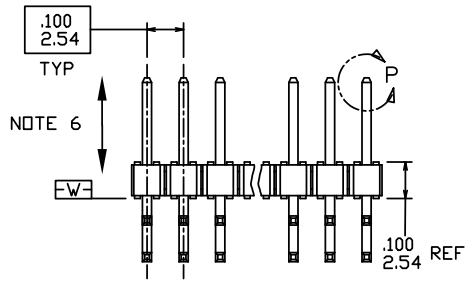
PRODUCT NUMBER

XXXXX-YYYHTLF

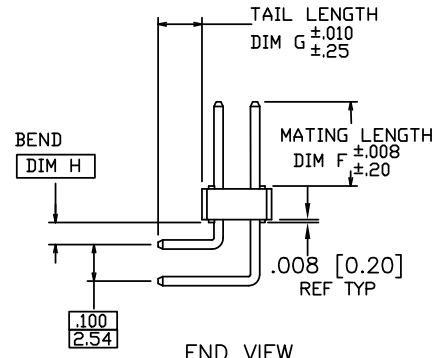
- LEAD FREE OPTION
SEE NOTE 1,11
- TUBE PACKAGING OPTION
SEE NOTE 1
- HIGH TEMPERATURE PLASTIC
SEE NOTE 1
- NO OF
POSITIONS
SEE NOTE 1
- PIN PLATING
SEE SHEET 2
- BASE PART NO.



TOP VIEW



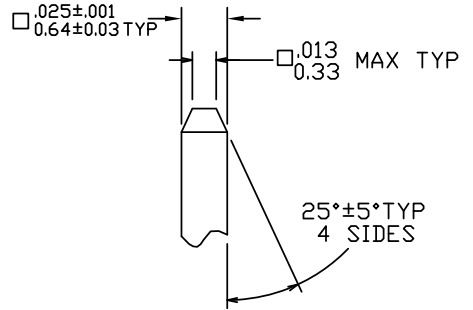
SIDE VIEW



END VIEW

⊕	∅ .020/.51	M	U	M	V	S	W
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NOTE 4



DETAIL P
TYP BOTH ENDS

rev	ecn no	dr	date
AB	V20801	MHT	4/29/02
AC	M04-0234	AGS	12/29/05
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 / tolerance std ISO 1302 ✓ 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		ECN N11-0118		
			Product family BERGSTIK		Spec ref		
	title BERGSTIK® II HEADER .100 DR R/A SELF-RET				no 69193		Rev. AH
	catalog no				CUSTOMER		sheet 1 of 4

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.

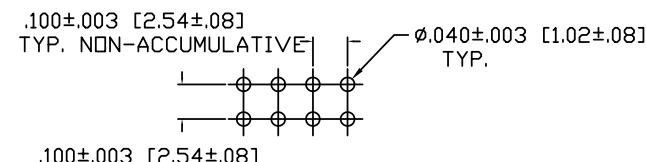
10. 5LB/2.3KG MAX INSERTION FORCE AND .25LB/.1KG MIN RETENTION FORCE PER RETENTIVE PIN USING .062/1.57 THICK CIRCUIT BOARDS AND RECOMMENDED HOLE PATTERN.

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."

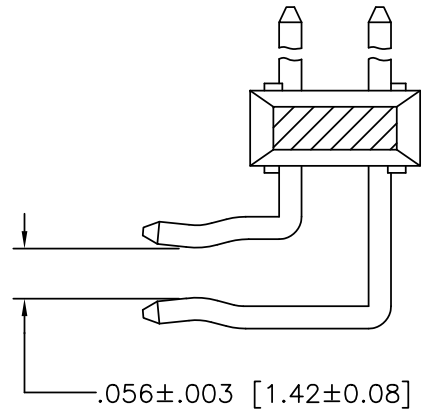
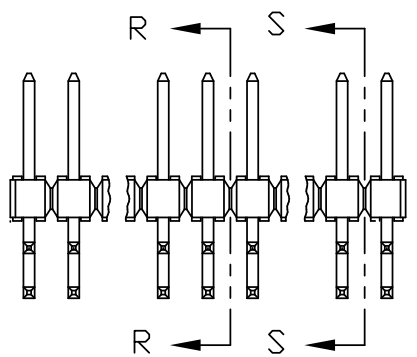


RECOMMENDED HOLE PATTERN

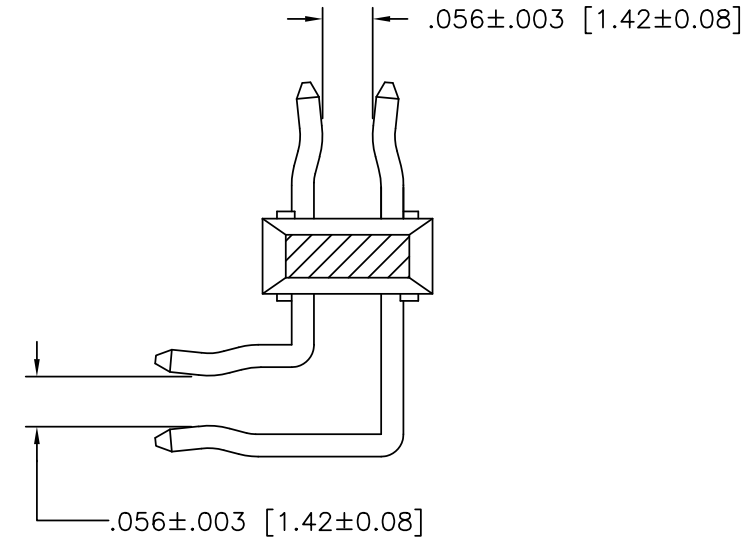
www.fciconnect.com			surface ISO 1302 ✓		tolerance std ISO 406 ISO 1101		projection 		INCH/MM ←————→	
			TOLERANCES UNLESS		OTHERWISE SPECIFIED					
Dr	D. WITHING	4/08/93	ANGULAR	LINEAR	0.X	±0.3	size A4	Scale 1:000		
Eng	T.HANNA	4/08/93			0.XX	±0.15				
Chr	T.HANNA	4/08/93			0° ±2°	0.XXX		±0.05	ECN N11-0118	
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 AH	
	catalog no					CUSTOMER			sheet 2 of 4	



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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				size A4		Scale 1.000		
Dr	D. WITHING	4/08/93	ANGULAR LINEAR		0.X ±0.3						
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. AH	
			catalog no								
						CUSTOMER			sheet 3 of 4		

1

2

3

4

PRODUCT NUMBER	MATING	LENGTH	TAIL LENGTH		BEND DIM.		PIN TO SIDE		BODY WIDTH					LF OPTION		
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H	DIM J	DIM J	DIM K	DIM K	RETENTION					
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	LOCATION	PACKAGING	NOTES			
69193-YYY	0.230	5.84	0.120	3.05	0.060	1.52	0.045	1.14	0.190	4.83	G TAIL	POLY BAGS	-	NOTE 1,11		
78253-YYY		N O T A V A I L A B L E														
78276-XY	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-XY	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-XY	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-XY	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-XY		N O T A V A I L A B L E														
87845-XY	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-XY	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-XY	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-XY	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-XYH	0.380	9.65	0.120	3.05	0.060	1.52	0.070	1.78	0.240	6.10	G TAIL	POLY BAGS	-	NOTE 1,11		

A

A

B

B

C

C

D

D

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REV F - 2006-04-17

1

2

PDM: Rev:AH

STATUS Released 4 Printed: Apr 20, 2011

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		N11-0118		
Appr	T.HANNA	4/08/93	Product family		BERGSTIK		Spec ref				
	title				BERGSTIK® II HEADER				dwg no		Rev
					.100 DR R/A SELF-RET				69193		AH
	catalog no								CUSTOMER		sheet 4 of 4