



FCIconnect.com

Copyright FCI

PRODUCT NUMBER
XXXXX-YYYHPLF

- LEAD FREE OPTION
SEE NOTE 1,13
- SPECIAL OPTIONS
SEE NOTE 1 OR 10
- HIGH TEMPERATURE PLASTIC
SEE NOTE 1
- NO OF
POSITIONS
SEE NOTE 1
- PIN PLATING
SEE SHEET 2
- BASE PART NO.

67996-X XX-XXX XXX LF

- TAIL LENGTH (EXAMPLE BELOW)
3.0mm=030 12.8mm=128
(SEE NOTE 16 & 17)
- MATING LENGTH (EXAMPLE BELOW)
5.0mm=050 25.5mm=255
(SEE NOTE 16 & 17)
- TOTAL NUMBER OF POSITIONS
FROM 2 (2X1) THRU 72 (2X36) POS.
- PIN PLATING (SEE NOTE 14)
1=0.76µm Au
4= PURE TIN
8=0.36µm Au
- BASE PART NO.
DOUBLE ROW

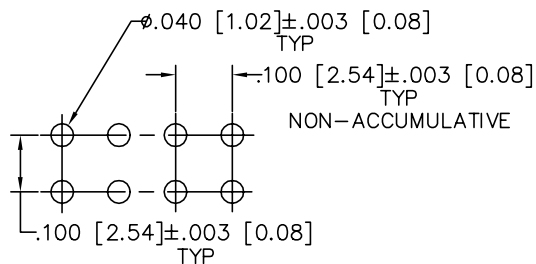


TOP VIEW

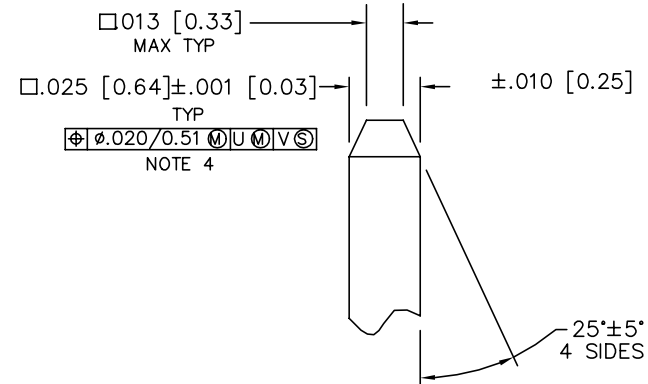


SIDE VIEW

END VIEW



RECOMMENDED HOLE PATTERN



DETAIL P
SCALE 5:1
TYP BOTH ENDS

mat'l. code				surface		tolerance	projection		product family	
NOTE 2 & 3				ISO 1302		ISO 406	ISO 1101		BERGSTIK	
ltr	ecn no	dr	date	tolerances unless otherwise specified			INCH/MM		title	
DF	N11-0180	J.Z	2011-05-31	angles	linear	.XX±.01/.X±.3			BERGSTIK II HEADER D/R	
DG	ELX-N-13471	J.Z	2011-11-16			.XXX±.005/.XX±.13			.100/2.54cc STRAIGHT	
DH	ELX-N-16105	ZK	2013-10-22	0°±2'		.XXX±.0020/.XXX±.05	scale 2:1		dwg no	
				dr	T.BREWBAKER	12/21/94	FCI		sheet 1 of 8	
				enrg	T.HANNA	12/21/94			67996	
				chr	J.MURPHY	12/21/94			A3	
				appd	T.HANNA	12/21/94			type	
sheet	revision	DH	...	DH					Product Customer Drawing	
index	sheet	1	...	8						

PIN PLATING CODES:	
XXXX-1YY	30u"/0.76u MIN (SEE NOTE 14) OVER 50u"/1.27u MIN Ni
XXXX-2YY	15u"/0.38u MIN (SEE NOTE 14) OVER 50u"/1.27u MIN Ni
XXXX-3YY	50u"/1.27u MIN (SEE NOTE 14) OVER 50u"/1.27u MIN Ni
XXXX-4YY	100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 15)
XXXX-4YYHLF	
XXXX-5YY	15u"/0.38u MIN (SEE NOTE 14) OVER 50u"/1.27u MIN Ni
XXXX-6YY	30u"/0.76u MIN (SEE NOTE 14) OVER 50u"/1.27u MIN Ni
XXXX-7YY	30u"/0.76u MIN (SEE NOTE 14) OVER 50u"/1.27u MIN Ni
XXXX-8YY	15u"/0.38u MIN (SEE NOTE 14) OVER 50u"/1.27u MIN Ni
XXXX-9YY	15u"/0.38u MIN (SEE NOTE 14) OVER 50u"/1.27u MIN Ni
XXXX-0YY	30u"/0.76u MIN (SEE NOTE 14) OVER 50u"/1.27u MIN Ni

NOTES

1. PART NUMBER OPTIONS:
PIN PLATING CODES (SEE ABOVE)

HIGH TEMPERATURE MATERIAL:

PART NUMBERS WITH AND WITHOUT "H" WILL BE SUPPLIED WITH HIGH TEMPERATURE PLASTIC.

NUMBER OF POSITIONS :

EVEN NUMBER OF POSITIONS FROM 2 (2X1) THROUGH 72 (2X36).
-X00H INDICATES BERGSTRIIP PRODUCT. SEE PAGE 3
FOR SPECIAL GEOMETRY OF THIS CONTINUOUS STRIP PRODUCT.
AUTOMATED REELS WILL CONTAIN 45,000 PINS.
SEE SPECIFIC PART NUMBERS FOR AVAILABILITY.

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 "G" ARE PACKAGED
IN GPAX FOR IBM ONLY. SEE SPECIFIC PART NUMBERS FOR AVAILABILITY.
PART NUMBERS FOLLOWED BY A "C" ARE PACKAGED IN TUBES
WITH A PICKUP CAP APPLIED.
EIGHT DIGIT PART NUMBERS FOLLOWED BY A "A" ARE PACKAGED 
IN TAPE/REEL WITH PICKUP CAP P/N 95730-003 APPLIED, PER BUS-14-345.

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:

BODY MATERIAL : MANUFACTURER'S OPTION OF NYLON, PCT GLASS FIBER
REINFORCED OR MINERAL FILLED LCP FLAME RETARDENT PER UL-94V-0.
COLOR: BLACK

BERGSTRIIP™ PRODUCED WITH HIGH TEMPERATURE LCP
THERMOPLASTIC, FLAME RETARDENT PER UL-94V-0.
COLOR: BLACK

PART NUMBERS WITH "H" AND WITHOUT SUFFIX WILL WITHSTAND EXPOSURE
TO 260° C PEAK TEMPERATURE FOR 20 SECONDS IN
WAVE SOLDER, INFRA-RED OR VAPOR PHASE 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. MILITARY BERGSTIK HEADER
P/N XXXXX-XY-MIL
NOT AVAILABLE.

8. ±.010/0.25 TOL APPLIES TO ALL "G" TAILS EXCEPT
INDICATED PARTS ON TABLE WHERE +.010/0.25 -.000/0.00
APPLIES.

9. NOTCH CONFIGURATION WILL VARY PER VENDOR'S DISCRETION.

10. BERGSTRIIP™ PART NUMBERS FOLLOWED BY
BY A "B" ARE BULK PRICED.

11. TAIL LENGTH (DIM. G) TO BE ±.008/.020.

12. POSITIONS PER ROW 37 TO 50 CAN BE PRODUCED,
BUT FLATNESS AND CURVATURE MAY NOT BE
HELD AS CLOSE AS 36 POSITIONS.

13. THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER
COUNTRY REGULATION AS DESCRIBED IN GS-22-008.

14. PLATING OPTIONS:
PERFORMANCE PLATING WILL BE EITHER GOLD OR GXT ON POST OR TAIL,
OPTIONALLY (78~295u"/2~7.5u) TIN ON TAIL.

15. "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND
HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT
ENVIRONMENTS."

16. THE OAL DON'T EXCEED 34.5mm

17. INCREMENTS BY 0.1mm IN LENGTHS ONLY

18. FOR SPECIAL PACKAGING REQUEST PLEASE CONTACT PRODUCT MANAGER FOR AVAILABILITY

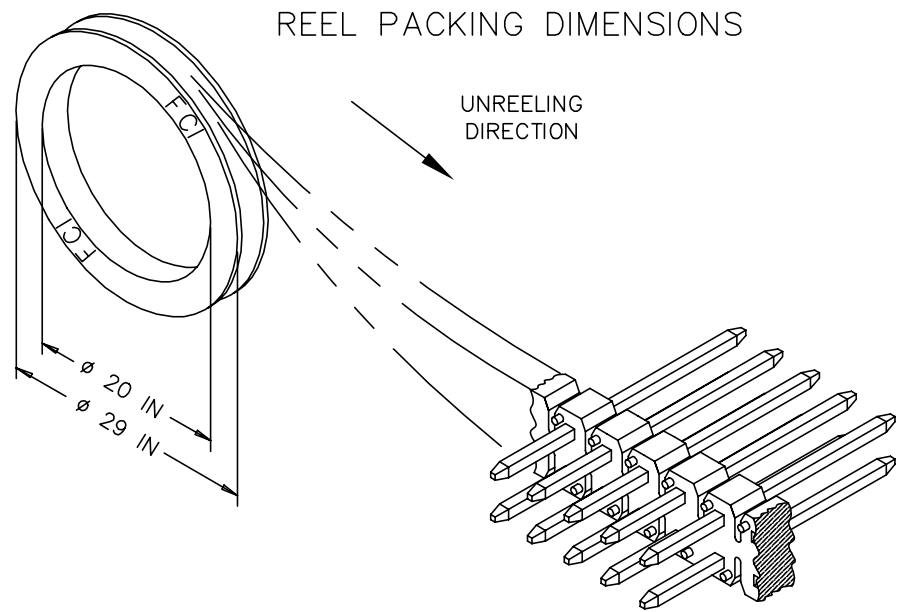
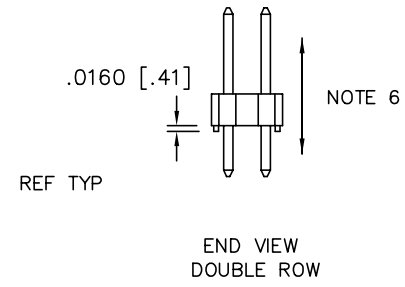
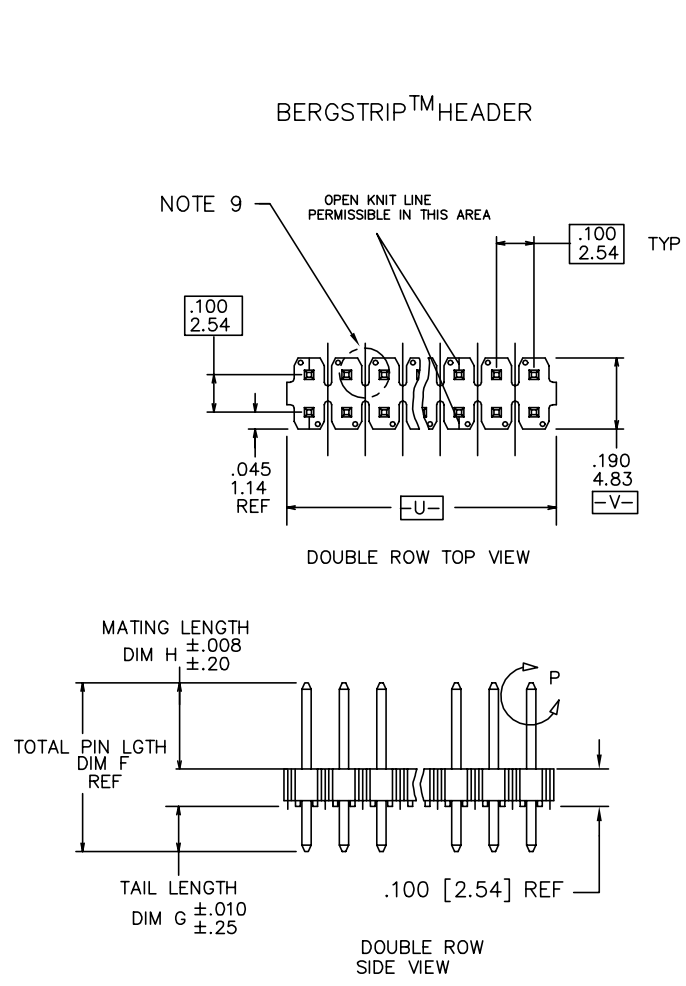
19. TO DETERMINE DIMENSIONS:
N=NUMBER OF POSITION PER ROW
EXAMPLE: 10 POS. N X .100/2.54

mat'l. code					surface		tolerance		projection		product family					
NOTE 2 & 3					ISO 1302 ✓		ISO 406 ISO 1101				BERGSTIK					
ltr	ecn	no	dr	date	tolerances unless otherwise specified							title				
DG					angles	linear	XX±01/XX±3					INCH/MM				
				XXX±0.005/XXX±.13												
				XXX±0.020/XXX±.051												
					0°±2°							scale 2:1				
					dr	T.BREWBAKER	12/21/94				dwg no		sheet 2 of 8		size	
					engr	T.HANNA	12/21/94				67996		A3			
					chr	J.MURPHY	12/21/94									
					appd	T.HANNA	12/21/94									
sheet index		revision sheet														
type Product Customer Drawing																

Copyright FCI



FCIconnect.com



mat'l. code NOTE 2 & 3				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK			
ltr	ec	n	dr	date	tolerances unless otherwise specified				INCH/MM scale 2:1	title BERGSTIK II HEADER D/R .100/2.54cc STRAIGHT			
DH					angles	linear	.XX±.01 / X±.3						
							.XXX±.005 / .XX±.13						
					0°±2°		.XXXX±.0020 / .XXX±.051						
					dr	T.BREWBAKER	12/21/94			dwg no		sheet 3 of 8	size
					enr	T.HANNA	12/21/94			67996		A3	
					chr	J.MURPHY	12/21/94			type Product Customer Drawing			
					appd	T.HANNA	12/21/94						
sheet index		revision sheet											

1				2		3					4		5		6	
PRODUCT NUMBER	TOT. PIN LGTH.		TAIL LENGTH		MATING LENGTH						BERGSTRIPTM	LF				
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H	PACKAGING		NOTES	AVAILABLE	OPTION					
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC										
69132-XXX	0.760	19.30	0.120	3.05	0.540	13.72	POLY BAGS/TUBES		---	NO	OB NOTE 1,13					
69133-XXX	0.615	15.62	0.285	7.24	0.230	5.84	POLY BAGS		-	NO						
69157-XXX	0.410	10.41	0.110	2.79	0.200	5.08	POLY BAGS		-	NO						
71217-XXYH	1.000	25.40	0.450	11.43	0.450	11.43	POLY BAGS		---	NO		OB				
71222-XXYH	0.850	21.59	0.250	6.35	0.500	12.70	POLY BAGS		---	NO		OB				
72273-XXYH	0.725	18.42	0.110	2.79	0.515	13.08	POLY BAGS		---	NO		OB				
72448-XXYH	0.658	16.71	0.172	4.37	0.386	9.80	POLY BAGS		---	NO		OB				
72455-XXYH	0.598	15.19	0.180	4.57	0.318	8.08	POLY BAGS		---	NO		OB				
72455-632HG	0.598	15.19	0.180	4.57	0.318	8.08	GPAX		NOTE 1	NO		OB				
73503-XXYH	0.420	10.67	0.120	3.05	0.200	5.08	POLY BAGS		---	NO		OB				
73596-XXYH	0.795	20.19	0.110	2.79	0.585	14.86	POLY BAGS		---	NO		OB				
74317-XXYH	0.532	13.51	0.309	7.85	0.123	3.12	POLY BAGS		NOTE 11	NO		OB				
74318-XXYH	0.592	15.04	0.369	9.37	0.123	3.12	POLY BAGS		NOTE 11	NO		OB				
74999-XXYH	0.508	12.90	0.090	2.29	0.318	8.08	POLY BAGS		---	NO		OB				
78212-XXX	0.710	18.03	0.350	8.89	0.260	6.60	POLY BAGS		---	NO		OB				
78233-XXX	0.568	14.43	0.150	3.81	0.318	8.08	POLY BAGS		-	NO						
78269-XXX	0.385	9.78	0.095	2.41	0.190	4.83	POLY BAGS		---	NO		OB				
78286-XXX	0.500	12.70	0.160	4.06	0.240	6.10	POLY BAGS/TUBES		---	NO		OB				
78932-XXX	UNAVAILABLE		UNAVAILABLE		UNAVAILABLE				-	-						
78933-XXX	0.695	17.65	0.285	7.24	0.310	7.87	POLY BAGS		---	NO	OB					
78988-XXX	0.540	13.72	0.135	3.43	0.305	7.75	POLY BAGS		---	NO	OB					
78989-XXX	UNAVAILABLE		UNAVAILABLE		UNAVAILABLE				-	-						
78990-XXX	UNAVAILABLE		UNAVAILABLE		UNAVAILABLE				-	-						
78991-XXX	UNAVAILABLE		UNAVAILABLE		UNAVAILABLE				-	-						
78992-XXX	UNAVAILABLE		UNAVAILABLE		UNAVAILABLE				-	-						
78993-XXX	UNAVAILABLE		UNAVAILABLE		UNAVAILABLE				-	-						
78994-XXX	UNAVAILABLE		UNAVAILABLE		UNAVAILABLE				-	-	NOTE 1,13					

mat'l. code
NOTE 2 & 3

ISO 1302 ✓

tolerance
ISO 406
ISO 1101

litr ecn no dr date

tolerances unless otherwise specified

angles linear .001/.001 .001/.001 .001/.001

dr T.BREWBAKER 12/21/94

enr T.HANNA 12/21/94

chr J.MURPHY 12/21/94

appd T.HANNA 12/21/94

sheet index

revision sheet

projection

INCH/MM

scale 2:1

product family
BERGSTIK

title
BERGSTIK II HEADER D/R
.100/2.54cc STRAIGHT

dwg no 67996 sheet 5 of 8 size A3

type Product Customer Drawing

FCI

PRODUCT NUMBER	TOT. PIN	LGTH.	TAIL LENGTH		MATING LENGTH				BERGSTRIPTM	LF OPTION
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H	PACKAGING	NOTES	AVAILABLE	
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC				
87345-XXX	1.218	30.94	0.406	10.31	0.712	18.08	POLY BAGS		NO	NOTE 1,13
87348-XXX	0.930	23.62	0.100	2.54	0.730	18.54	POLY BAGS		NO	
87349-XXX	0.890	22.61	0.110	2.79	0.680	17.27	POLY BAGS		NO	
87381-XXX	0.645	16.38	0.100	2.54	0.445	11.30	POLY BAGS		NO	
87382-XXX	0.675	17.15	0.100	2.54	0.475	12.07	POLY BAGS		NO	
87503-XXYH	0.630	16.00	0.110	2.79	0.420	10.67	POLY BAGS		NO	
87869-XXX	0.690	17.53	0.230	5.84	0.360	9.14	POLY BAGS		NO	
87894-XXX	0.588	14.94	0.170	4.32	0.318	8.08	POLY BAGS	-	NO	
87900-XXX	0.940	23.88	0.120	3.05	0.720	18.29	POLY BAGS	-	NO	
87901-XXX	1.040	26.42	0.120	3.05	0.820	20.83	POLY BAGS	-	NO	
87903-XXX	0.963	24.46	0.337	8.56	0.526	13.36	POLY BAGS		NO	OB
88797-XXX	0.950	24.13	0.320	8.13	0.530	13.46	POLY BAGS		NO	OB
88812-XXX	0.415	10.54	0.085	2.16	0.230	5.84	POLY BAGS/TUBES	NOTE 8	NO	OB
88886-XXX	1.306	33.17	0.276	7.01	0.930	23.62	POLY BAGS		NO	OB
89446-XXX	0.930	23.62	0.120	3.05	0.710	18.03	POLY BAGS		NO	OB
89540-XXX	0.760	19.30	0.280	7.11	0.380	9.65	POLY BAGS		NO	OB
89542-XXX	1.065	27.05	0.125	3.18	0.840	21.34	POLY BAGS		NO	OB
89639-XXX	1.260	32.00	0.118	3.00	1.042	26.47	POLY BAGS		NO	OB
91828-XXX	0.450	11.43	0.120	3.05	0.230	5.84	TUBES		NO	OB
92417-XXX	0.530	13.46	0.110	2.79	0.320	8.13	POLY BAGS	-	NO	
93216-XXYH	0.573	14.55	0.155	3.94	0.318	8.08	POLY BAGS/TUBES		NO	OB
93216-632HG	0.573	14.55	0.155	3.94	0.318	8.08	GPAX	NOTE 1	NO	OB
93217-XXYH	0.395	10.03	0.095	2.41	0.200	5.08	POLY BAGS		NO	OB
93254-XXX	0.563	14.30	0.110	2.79	0.353	8.97	POLY BAGS	-	NO	NOTE 1,13



Copyright FCI

form: A3

mat'l. code NOTE 2 & 3						surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK					
ltr ecn no dr date						tolerances unless otherwise specified						title					
DH						angles		linear		INCH/MM		BERGSTIK II HEADER D/R					
								$\frac{XXX+0}{XXX-13}$				.100/2.54cc STRAIGHT					
						0°±2'		$\frac{XXXX+0020}{XXXX-051}$		scale 2:1							
						dr T.BREWBAKER		12/21/94				dwg no		sheet 7 of 8		size	
						enrg T.HANNA		12/21/94				67996				A3	
						chr J.MURPHY		12/21/94									
						appd T.HANNA		12/21/94									
sheet index		revision sheet															

