



Copyright FCI.

PRODUCT NUMBER

XXXXX-YYY HTLF

LEAD FREE OPTION
(SEE NOTES 1)

PACKAGING OPTIONS
(SEE NOTE 1)

HIGH TEMPERATURE PLASTIC
(SEE NOTE 1)

NO OF
POSITIONS
(SEE NOTE 1)

PIN PLATING
(SEE SHEET 2)

BASE PART NO.

68000-X XX-XXX XXX LF

TAIL LENGTH (EXAMPLE BELOW)
3.0mm=030 12.8mm=128 (SEE NOTE 15 & 16)

MATING LENGTH (EXAMPLE BELOW)
5.0mm=050 25.5mm=255 (SEE NOTE 15 & 16)

TOTAL NUMBER OF POSITION
FROM 1 THRU 36 POS. (SEE NOTE 1)

PIN PLATING (SEE NOTE 13)
1=0.76µm Au
4= PURE TIN
8=0.36µm Au

BASE PART NO.

Ø .020/.51 (M) U (M) V (S)

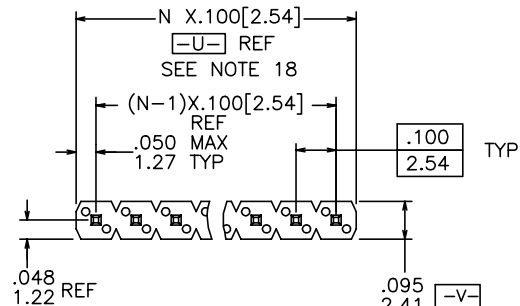
NOTE 4

□ .025±.001
0.64±.03 TYP

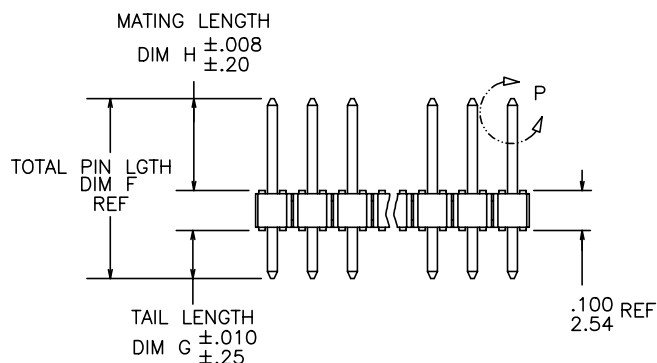
□ .013
0.33 MAX TYP

25°±5° TYP
4 SIDES

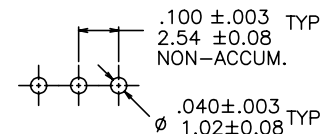
DETAIL P
TYP BOTH ENDS



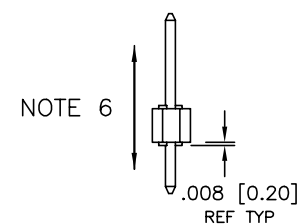
TOP VIEW



SIDE VIEW



RECOMMENDED HOLE PATTERN



END VIEW

rev	ecn no	dr	date
CY	ELX-N-011895	JZ	2012-06-12
DA	ELX-N-16105	ZK	2013-10-22
DB	ELX-N-17329	ZK	2014-03-27
CV	M09-0090	MHT	6/19/09
CW	M09-0105	MHT	7/10/09
CX	N11-0118	JZ	2011-04-11

www.fciconnect.com			surface 6.4 ISO 1302	tolerance std ISO 406 ISO 1101	projection ISO 1101	INCH/MM
Dr	T.BREWBAKER	01/05/95	ANGULAR	LINEAR	0.X ±.3	A4 Scale 1.000
Eng	T.HANNA	01/05/95			0.XX ±.15	
Chr	J.MURPHY	01/05/95	0° ±2°		0.XXX ±0.05	ECN
Appr	T.HANNA	01/05/95	Product family BERGSTIK		Spec ref	
FCI			title BERGSTIK® II HEADER .100/2.54cc SR STRAIGHT		dwg no 68000	Rev. DB
catalog no			CUSTOMER		sheet 1 of 8	

PIN PLATING CODES:

XXXX-1YY	30u"/0.76u MIN (SEE NOTE 13) OVER 50u"/1.27u MIN Ni
XXXX-2YY	15u"/0.38u MIN (SEE NOTE 13) OVER 50u"/1.27u MIN Ni
XXXX-3YY	50u"/1.27u MIN (SEE NOTE 13) OVER 50u"/1.27u MIN Ni
XXXX-4YY	100u"/2.54u MIN Sn OVER 50u"/1.27u MIN Ni (SEE NOTE 14)
XXXX-4YYHLF	
XXXX-5YY	15u"/0.38u MIN (SEE NOTE 13) OVER 50u"/1.27u MIN Ni
XXXX-6YY	30u"/0.76u MIN (SEE NOTE 13) OVER 50u"/1.27u MIN Ni
XXXX-7YY	30u"/0.76u MIN (SEE NOTE 13) OVER 50u"/1.27u MIN Ni
XXXX-8YY	15u"/0.38u MIN (SEE NOTE 13) OVER 50u"/1.27u MIN Ni
XXXX-9YY	15u"/0.38u MIN (SEE NOTE 13) OVER 50u"/1.27u MIN Ni
XXXX-0YY	30u"/0.76u MIN (SEE NOTE 13) OVER 50u"/1.27u MIN Ni

NOTES

①. PART NUMBER OPTIONS:

PIN PLATING CODES (SEE ABOVE)

HIGH TEMP. MATERIAL:

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

NUMBER OF POSITIONS :

ANY NUMBER OF POSITIONS FROM 1 THRU 36.
 -X00H INDICATES BERGSTRIIP PRODUCT. SEE PAGE 3 FOR SPECIAL GEOMETRY OF THIS CONTINUOUS STRIP PRODUCT.
 AUTOMATED REELS WILL CONTAIN 36,000 PINS.
 SEE SPECIFIC PART NUMBERS FOR AVAILABILITY.

PACKAGING :

NO INDICATOR IS STANDARD PACKAGING 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 "C" ARE PACKAGED IN TUBES WITH PICKUP CAP APPLIED. (NOT TOOLED)

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

EIGHT DIGIT PART NUMBERS FOLLOWED BY A "A" ARE PACKAGED IN TAPE AND REEL WITH PICKUP CAP APPLIED.

LEAD FREE :

ADD "HLF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE

②. BODY MATERIAL :

BERGSTIK: MANUFACTURER'S OPTION OF NYLON, PCT GLASS FIBER REINFORCED, OR LCP MINERAL FILLED 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 AND WITHOUT "H" 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. PIN CANNOT PROTRUDE PAST EDGE OF HOUSING. MUST BE .005±.005/.13±.13 FROM END OF HOUSING HOLE.

8. MILITARY BERGSTIK HEADER
 P/N XXXXX-YYY-MIL.
 NOT AVAILABLE.

⑨. ±.010/0.25 TOL APPLIES TO ALL "G" TAILS EXCEPT INDICATED PARTS ON TABLE WHERE +.010/0.25 -.000/0.00 APPLIES.

⑩. INDICATED PART NUMBERS ARE PRODUCED AND SOLD IN THE TAIWAN/SINGAPORE AREAS. THESE ARE NOT AVAILABLE IN BERGSTRIIP™ CONTINUOUS STRIP.

⑪. NOTCH CONFIGURATION WILL VARY PER VENDOR'S DISCRETION.

⑫. THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.

⑬. PLATING OPTIONS:

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

⑭. "THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS."

⑮. THE OAL DON'T EXCEED 34.5mm

⑯. INCREMENTS BY 0.1mm IN LENGTHS ONLY

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

⑰. TO DETERMINE DIMENSIONS:
 N=NUMBER OF POSITION PER ROW
 EXAMPLE: 10 POS. N X .100/2.54

www.fciconnect.com			surface ISO 1302 ✓		tolerance std ISO 406 ISO 1101		projection INCH/MM	
			TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	T.BREWBAKER	01/05/95	ANGULAR	LINEAR	0.X	±0.3	size A4	Scale 1.000
Eng	T.HANNA	01/05/95			0.XX	±0.15		
Chr	J.MURPHY	01/05/95	0°	±2°	0.XXX	±0.05	ECN	
Appr	T.HANNA	01/05/95	Product family			BERGSTIK		Spec ref
FCI			title			BERGSTIK® II HEADER		dwg no 68000
						.100/2.54cc SR STRAIGHT		
			catalog no			CUSTOMER		Rev. DB

1

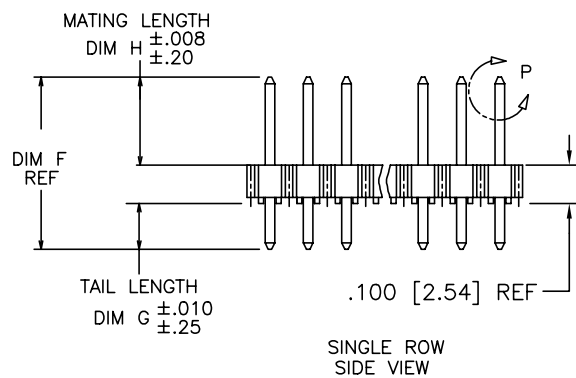
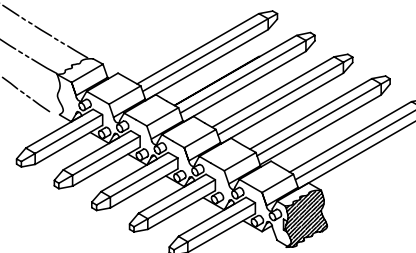
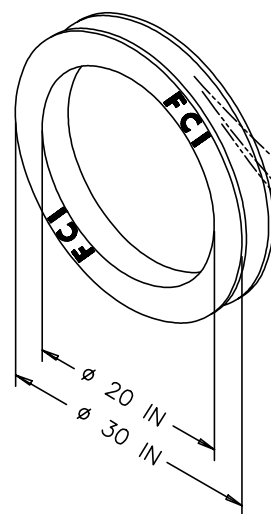
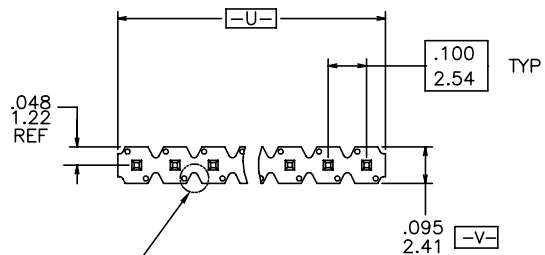
2

3

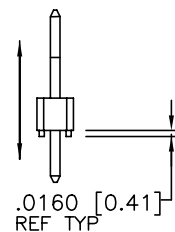
4

BERGSTRIPTM HEADER

REEL PACKING DIMENSIONS



NOTE 6



www.fciconnect.com			surface ISO 1302 ✓	tolerance std ISO 406 ISO 1101	projection A4	INCH/MM
			ANGULAR	LINEAR	size	Scale
Dr	T.BREWBAKER	01/05/95	0°	±2°	0.X	±0.3
Eng	T.HANNA	01/05/95			0.XX	±0.15
Chr	J.MURPHY	01/05/95			0.XXX	±0.05
Appr	T.HANNA	01/05/95	Product family			Spec ref
FCI			title			Rev.
			BERGSTIK® II HEADER			DB
			.100/2.54cc SR STRAIGHT			
			catalog no			
			CUSTOMER			sheet 3 of 8

1

2

3

4

1

2

3

4

PRODUCT NUMBER	TOTAL PIN LGTH		TAIL LENGTH		MATING LENGTH		PACKAGING	NOTES	BERGSTRIPTM AVAILABLE	LF OPTION
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H				
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC				
55492-XYH	0.315	8.00	0.095	2.41	0.120	3.05	POLY BAGS	---	NO	OB
60017-XYH	0.620	15.75	0.210	5.33	0.310	7.87	POLY BAGS	---	NO	OB
60018-XYH	0.660	16.76	0.250	6.35	0.310	7.87	POLY BAGS	---	NO	OB
63334-XYH	0.435	11.05	0.095	2.41	0.240	6.10	POLY BAGS	---	NO	OB
68000-YYY	0.425	10.80	0.095	2.41	0.230	5.84	POLY BAGS	---	YES	NOTE 1,12
68001-YYY	0.450	11.43	0.120	3.05	0.230	5.84	POLY BAGS/TUBES	---	YES	
68002-YYY	0.480	12.19	0.150	3.81	0.230	5.84	POLY BAGS	---	YES	
68003-YYY	0.525	13.34	0.195	4.95	0.230	5.84	POLY BAGS	---	NO	OB
68004-YYY	0.525	13.34	0.107	2.72	0.318	8.08	POLY BAGS	---	YES	
68024-YYY	0.568	14.43	0.150	3.81	0.318	8.08	POLY BAGS	---	YES	
68031-YYY	0.513	13.03	0.183	4.65	0.230	5.84	POLY BAGS	---	NO	
68032-YYY	0.543	13.79	0.213	5.41	0.230	5.84	POLY BAGS	---	NO	OB
68033-YYY	0.708	17.98	0.473	12.01	0.135	3.43	POLY BAGS	---	NO	
68415-YYY	0.615	15.62	0.115	2.92	0.400	10.16	POLY BAGS	---	NO	
68416-YYY	0.813	20.65	0.483	12.27	0.230	5.84	POLY BAGS	---	NO	
68418-YYY	0.730	18.54	0.400	10.16	0.230	5.84	POLY BAGS	---	NO	
68422-YYY	0.631	16.03	0.213	5.41	0.318	8.08	POLY BAGS	---	NO	
68443-YYY	0.755	19.18	0.425	10.80	0.230	5.84	POLY BAGS	---	NO	OB
68456-YYY	0.825	20.96	0.115	2.92	0.610	15.49	POLY BAGS	---	NO	OB
68457-YYY	0.548	13.92	0.130	3.30	0.318	8.08	POLY BAGS	---	NO	
68465-YYY	0.925	23.50	0.595	15.11	0.230	5.84	POLY BAGS	---	NO	OB
68466-YYY	0.925	23.50	0.128	3.25	0.697	17.70	POLY BAGS	---	NO	
68472-YYY	0.913	23.19	0.413	10.49	0.400	10.16	POLY BAGS	---	NO	OB
68479-YYY	0.718	18.24	0.388	9.86	0.230	5.84	POLY BAGS	---	NO	OB
68483-YYY	0.835	21.21	0.417	10.59	0.318	8.08	POLY BAGS	---	NO	OB
68487-YYY	0.705	17.91	0.110	2.79	0.495	12.57	POLY BAGS	---	NO	OB
68489-YYY	1.095	27.81	0.765	19.43	0.230	5.84	POLY BAGS	---	NO	OB
68490-YYY	1.025	26.04	0.695	17.65	0.230	5.84	POLY BAGS	---	NO	OB
68497-YYY	0.612	15.54	0.085	2.16	0.427	10.85	POLY BAGS	---	NO	
68603-YYY	0.555	14.10	0.120	3.05	0.335	8.51	POLY BAGS	---	NO	
68604-YYY	0.600	15.24	0.120	3.05	0.380	9.65	POLY BAGS	---	NO	NOTE 1,12

NOTE 1,12

www.fciconnect.com			surface ISO 1302		✓	tolerance std ISO 406 ISO 1101		projection 		INCH/MM 		
			TOLERANCES UNLESS OTHERWISE SPECIFIED									
Dr	T.BREWBAKER	01/05/95	ANGULAR		LINEAR		0.X	±0.3	size A4	Scale 1.000		
Eng	T.HANNA	01/05/95					0.XX	±0.15				
Chr	J.MURPHY	01/05/95	0°	±2°			0.XXX	±0.05	ECN			
Appr	T.HANNA	01/05/95	Product family					BERGSTIK		Spec ref		
		title	BERGSTIK® II HEADER					dwg no		68000		Rev. DB
			.100/2.54cc SR STRAIGHT									
			catalog no					CUSTOMER		sheet 4 of 8		

REV F - 2006-04-17

1

2

3

PDS: Rev :DB

STATUS:Released

Printed: Apr 01, 2014



Copyright FCI.

D

1

2

3

4

PRODUCT NUMBER	TOTAL PIN LGTH		TAIL LENGTH		MATING LENGTH				BERGSTRIPT™	LF OPTION
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H			AVAILABLE	
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	PACKAGING	NOTES		
68629-XY	0.621	15.77	0.203	5.16	0.318	8.08	POLY BAGS	—	NO	OB <

REV F - 2006-04-17

1

2

3

PDS: Rev :DB

STATUS:Released

Printed: Apr 01, 2014

A

B

C

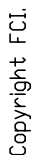
D



Copyright FCI.

D

www.fciconnect.com			surface ISO 1302	tolerance std ISO 406 ISO 1101	projection ISO 1006	INCH/MM	
			ANGULAR	LINEAR	size	Scale	
Dr	T.BREWBAKER	01/05/95			A4	1.000	
Eng	T.HANNA	01/05/95					
Chr	J.MURPHY	01/05/95	0° ±2°		ECN		
Appr	T.HANNA	01/05/95	Product family		BERGSTIK	Spec ref	
FCI			title			dwg no	Rev.
			BERGSTIK® II HEADER			68000	DB
			catalog no			CUSTOMER	sheet 5 of 8

DD

1

2

3

4

A

B

C

D

A

B

C

D

PRODUCT NUMBER	TOTAL PIN LGTH		TAIL LENGTH		MATING LENGTH		PACKAGING	NOTES	BERGSTRIPTM AVAILABLE	LF OPTION
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H				
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC				
84918-XYH	0.340	8.64	0.120	3.05	0.120	3.05	POLY BAGS	---	YES	OB
84921-XYH	0.370	9.40	0.150	3.81	0.120	3.05	POLY BAGS	---	YES	OB
86506-XXX	0.440	11.18	0.120	3.05	0.220	5.59	POLY BAGS	---	YES	OB
86579-XXX	0.450	11.43	0.120	3.05	0.230	5.84	POLY BAGS	NOTE 9	NO	OB
86634-XXX		NOT	AVAILABLE					---	---	NOTE 1,12
86635-XXX		NOT	AVAILABLE					---	---	
86636-XXX		NOT	AVAILABLE					---	---	
86637-XXX		NOT	AVAILABLE					---	---	
86638-XXX		NOT	AVAILABLE					---	---	
86793-XXX	0.900	22.86	0.100	2.54	0.700	17.78	POLY BAGS	NOTE 10	NO	OB
86899-XXX	1.020	25.91	0.120	3.05	0.800	20.32	POLY BAGS	---	NO	OB
87185-XXX	1.238	31.45	0.095	2.41	1.043	26.49	POLY BAGS	NOTE 10	NO	
87204-XXX	0.895	22.73	0.120	3.05	0.675	17.15	POLY BAGS	---	NO	OB
87241-XXX	1.000	25.40	0.120	3.05	0.780	19.81	POLY BAGS	---	NO	OB
87502-XYH	1.130	28.70	0.110	2.79	0.920	23.37	POLY BAGS	---	NO	OB
87827-XXX	0.380	9.65	0.120	3.05	0.160	4.06	POLY BAGS	---	NO	
87916-XXX	1.058	26.87	0.128	3.25	0.830	21.08	POLY BAGS	---	NO	NOTE 1,12
88005-XXX	0.536	13.61	0.095	2.41	0.341	8.66	POLY BAGS	NOTE 10	NO	OB
88706-XXX	0.900	22.86	0.100	2.54	0.700	17.78	POLY BAGS	---	NO	OB
89232-XXX	0.325	8.26	0.000	0.00	0.230	5.84	POLY BAGS	NOTE 7	NO	OB



Copyright FCI.

www.fciconnect.com			surface ISO 1302 ✓		tolerance std ISO 406 ISO 1101		projection 		INCH/MM ←————→	
			TOLERANCES UNLESS		OTHERWISE SPECIFIED					
Dr	T.BREWBAKER	01/05/95	ANGULAR	LINEAR	0.X	±0.3	size	A4	Scale	1.000
Eng	T.HANNA	01/05/95			0.XX	±0.15				
Chr	J.MURPHY	01/05/95			0.XXX	±0.05	ECN			
Appr	T.HANNA	01/05/95	Product family BERGSTIK				Spec ref			
		title BERGSTIK® II HEADER .100/2.54cc SR STRAIGHT				dwg no 68000			Rev DB	
		catalog no				CUSTOMER			sheet 7 of 8	

1

2

3

PDS: Rev :DB

STATUS:Released

Printed: Apr 01, 2014

1

2

3

4

PRODUCT NUMBER	TOTAL PIN LGTH		TAIL LENGTH		MATING LENGTH				BERGSTRIPTM	LF OPTION
	DIM F	DIM F	DIM G	DIM G	DIM H	DIM H			AVAILABLE	
	ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC	PACKAGING	NOTES		
90522-XY	0.668	16.97	0.135	3.43	0.433	11.00	POLY BAGS	NOTE 10	NO	OB
90547-XY	0.508	12.90	0.095	2.41	0.313	7.95	POLY BAGS	NOTE 10	NO	
90719-XY	0.384	9.75	0.106	2.69	0.178	4.52	POLY BAGS	—	NO	OB
90726-XY	0.440	11.18	0.110	2.79	0.230	5.84	POLY BAGS	—	YES	
91276-XY	1.225	31.12	0.225	5.72	0.900	22.86	POLY BAGS	—	NO	NOTE 1,12
92020-XY	0.372	9.45	0.094	2.39	0.178	4.52	POLY BAGS	—	NO	OB
92418-XY	0.572	14.53	0.118	3.00	0.354	8.99	POLY BAGS	—	NO	OB
93167-XY	0.394	10.01	0.059	1.50	0.235	5.97	POLY BAGS	—	NO	OB
93287-XYH	0.585	14.86	0.085	2.16	0.400	10.16	POLY BAGS	—	NO	OB
93944-XY	0.941	23.90	0.130	3.30	0.711	18.06	POLY BAGS	—	NO	
93992-XYH	0.415	10.54	0.085	2.16	0.230	5.84	POLY BAGS	—	NO	OB
94063-XY	0.376	9.55	0.138	3.51	0.138	3.51	POLY BAGS	NOTE 10	NO	
94094-XY	0.592	15.04	0.314	7.98	0.178	4.52	POLY BAGS	—	NO	OB
94544-XY	0.550	13.97	0.130	3.30	0.330	8.38	POLY BAGS	NOTE 10	NO	OB
94611-XYH	0.320	8.13	0.095	2.41	0.125	3.18	POLY BAGS	—	NO	OB
95017-XYH	0.560	14.22	0.060	1.52	0.400	10.16	POLY BAGS	—	NO	
95103-XY	1.064	27.03	0.433	11.00	0.531	13.49	POLY BAGS	NOTE 10	NO	OB
95104-XY	0.370	9.40	0.126	3.20	0.144	3.66	POLY BAGS	NOTE 10	NO	OB
95648-XYH	0.655	16.64	0.155	3.94	0.400	10.16	POLY BAGS	—	NO	OB
95655-XY	1.164	29.57	0.095	2.41	0.969	24.61	POLY BAGS	NOTE 10	NO	OB
98001-XYH	0.610	15.49	0.420	10.67	0.090	2.29	POLY BAGS	—	NO	OB
98136-XYH	0.475	12.07	0.095	2.41	0.280	7.11	POLY BAGS	—	NO	OB
10004394-XYH	0.290	7.37	0.095	2.41	0.095	2.41	POLY BAGS	—	NO	OB
10076764-XYH	0.479	12.19	0.114	2.9	0.265	6.75	POLY BAGS	—	YES	OB
10103017-XY	0.335	8.51	0.130	3.30	0.105	2.67	POLY BAGS	—	NO	OB
10121349-XY	0.626	15.9	0.120	3.05	0.406	10.3	POLY BAGS/TAPE REEL	—	NO	NOTE 1,12



Copyright FCI.

D

www.fciconnect.com			surface ISO 1302		tolerance std ISO 406 ISO 1101		projection A4		INCH/MM	
			TOLERANCES UNLESS OTHERWISE SPECIFIED				size		Scale	
Dr	T.BREWBAKER	01/05/95	ANGULAR		LINEAR		0.X ±0.3		A4 1.000	
Eng	T.HANNA	01/05/95					0.XX ±0.15			
Chr	J.MURPHY	01/05/95	0° ±2°				0.XXX ±0.05		ECN	
Appr	T.HANNA	01/05/95	Product family			BERGSTIK			Spec ref	
FCI			title				BERGSTIK® II HEADER		dwg no	
							.100/2.54cc SR STRAIGHT		68000	
			catalog no				CUSTOMER		Rev. DB	
									sheet 8 of 8	

REV F - 2006-04-17

1

2

3

PDS: Rev :DB

STATUS:Released

Printed: Apr 01, 2014