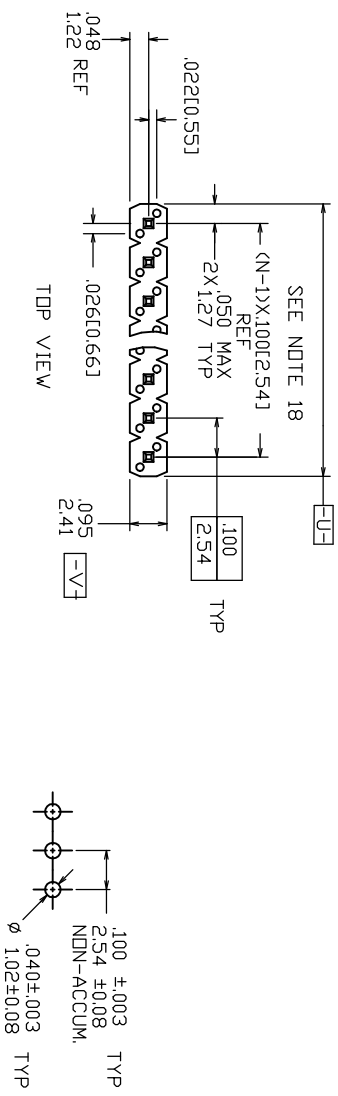
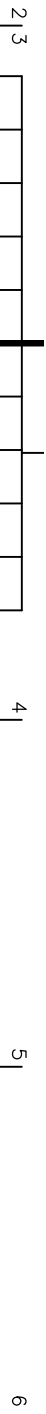


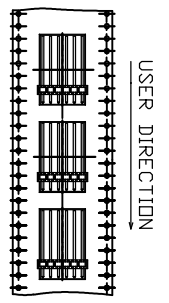
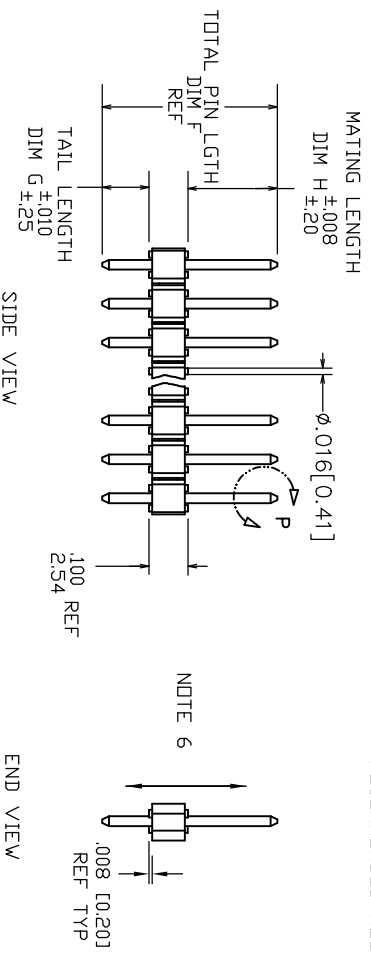


**THE DATASHEET OF
78511-404HLF**





RECOMMENDED HOLE PATTERN



DRAWING NO. 68000-406160035ALF

mat'l code		surface		tolerance		projection		product family	
NOTES 2 & 3		ISD 1302		ISD 405		INCH/MM		BERGSTIK	
ltr	ecn no	dir	date	tolerances unless otherwise specified	angle	line or	scale	title	
CY	EX-+-01995	JZ	2012-06-12	XXX01/XXX3		INCH/MM	1:1	BERGSTIK® II HEADER	
DA	EX-+-16105	ZK	2013-10-22	XXX30006/XXX415				100/2.54cc SR STRAIGHT	
DB	EX-+-17293	ZK	2014-03-27	09Z2				dwg no 68000	
DC	EX-+-28578	WZ	2017-11-23	dir				sheet 1 of 8	
				engr	T.BREWBAKER			size	
				chr	J.MURPHY			A3	
				pppd	T.HANNA			Drawing	
sheet	revision	DC	DC	DC	DC	DC	DC		
index	sheet	1	2	3	4	5	6		

ER 50u"/1.27u MIN NI
R 50u"/1.27u MIN NI
ER 50u"/1.27u MIN NI
7u MIN NI (SEE NOTE 14)
R 50u"/1.27u MIN NI
R 50u"/1.27u MIN NI
R 50u"/1.27u MIN NI
R 50u"/1.27u MIN NI
R 50u"/1.27u MIN NI
R 50u"/1.27u MIN NI
R 50u"/1.27u MIN NI

2

- 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.

3

- 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 BERGSTIK 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"/2-75u) 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 DAL DON'T EXCEED 34.5mm
- ⑯ INCREMENTS BY 0.1mm IN LENGTHS ONLY

B

- ⑰ FOR SPECIAL PACKAGING REQUEST PLEASE CONTACT PRODUCT MANAGER FOR AVAILABILITY
- ⑱ TO DETERMINE DIMENSIONS:
N=NUMBER OF POSITION PER ROW
EXAMPLE: 10 POS. N X .100/2.54
- 19. 68000-406160035ALF IS SPECIAL PART NUMBER. IT IS 6PIN, MATING LENGTH IS 16mm. TAIL LENGTH IS 35mm. AND PACKAGE IS TAPE AND REEL AND NO CAP.

4

www.fciconnect.com		surface std		projection		INCH/MM	
ISD 1302		ISD 406 ISD 1101		TOLERANCES UNLESS OTHERWISE SPECIFIED		Scale 1.000	
Dp	T3REWBAKER	01/05/95	ANGULAR	0X	±0.3	size	A4
Eng	THANNA	01/05/95	LINEAR	0XX	±0.15	ECN	
Chr	JMRPRHY	01/05/95	0° ±2°	0XXX	±0.05	Spec ref	
Appr	THANNA	01/05/95	Product family	BERGSTIK			
FCI logo		BERGSTIK® II HEADER		CUSTOMER		68000	
		.100/2.54cc SR STRAIGHT				Rev. DC	
catalog no				sheet 2 of 8			

D

DN, PCT
FILLED
TURE LCP
-94V-0.
FIX WILL WITHSTAND EXPOSURE
ENDS IN
E SOLDER PROCESS.

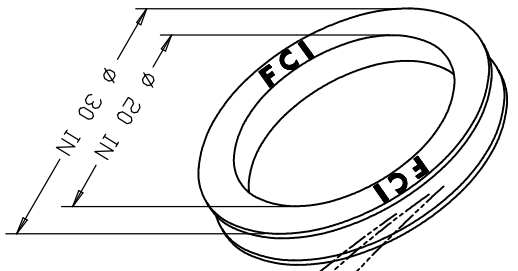
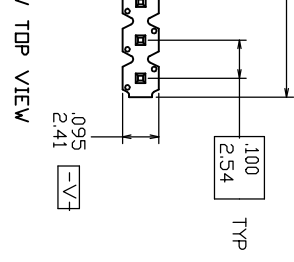
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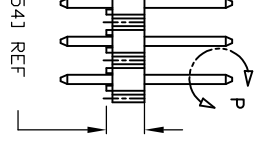
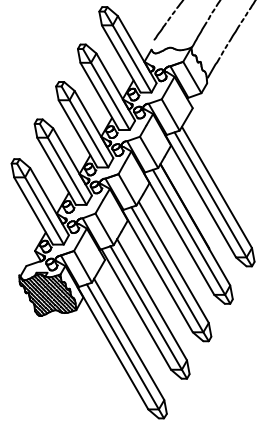
4

HEADER

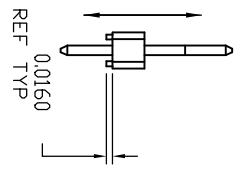


REEL PACKING DIMENSIONS

UNREELING DIRECTION



NOTE 6



SINGLE ROW END VIEW

D

C

B

A

www.fciconnect.com				surface	tolerance std	projection	INCH/MM
				ISD 1302	ISD 406 ISD 110	ISD 1302	Scale 1.000
				TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	T.BREWBAKER	01/05/95	ANGULAR	0X	±0.3	size	
Eng	THANNA	01/05/95	LINEAR	0XX	±0.15	A4	
Chr	JMURPHY	01/05/95	0°	0XXX	±0.05	ENI	
Appr	THANNA	01/05/95	Product family	BERGSTIK			
BERGSTIK® II HEADER				Spec ref			
.100/2.54cc SR STRAIGHT				68000			
FCI logo				Rev. DC			
catalog no				CUSTOMER			
				sheet 3 of 8			

2

PDS: Rev:DC

STATUS:Released

3

Printed: Dec 14, 2017

4

ITEM	MATING	LENGTH	BERGSTRIPTM	LF
TRIC	ENGLISH	METRIC	AVAILABLE	OPTION
41	0-120	3.05	NO	DB
33	0-310	7.87	NO	DB
35	0-310	7.87	NO	DB
41	0-240	6.10	NO	DB
41	0.230	5.84	YES	NOTE 1,12
05	0.230	5.84	YES	
81	0.230	5.84	YES	
95	0-230	5.84	NO	DB
72	0.318	8.08	YES	
81	0.318	8.08	YES	
55	0.230	5.84	NO	DB
41	0-230	5.84	NO	DB
01	0.135	3.43	NO	
02	0.400	10.16	NO	
27	0.230	5.84	NO	
16	0.230	5.84	NO	
41	0.318	8.08	NO	
80	0-230	5.84	NO	DB
92	0-610	15.49	NO	DB
30	0.318	8.08	NO	
11	0-230	5.84	NO	DB
25	0.697	17.70	NO	
49	0-400	10.16	NO	DB
86	0-230	5.84	NO	DB
59	0-318	8.08	NO	DB
79	0-495	12.57	NO	DB
43	0-230	5.84	NO	DB
65	0-230	5.84	NO	DB
16	0.427	10.85	NO	
05	0.335	8.51	NO	
05	0.380	9.65	NO	NOTE 1,12

www.fciconnect.com				surface ISD 1302		tolerance std		projection		INCH/MM	
				ISD 406 ISD 1101		TOLERANCES UNLESS OTHERWISE SPECIFIED		A4		Scale 1:1000	
Dr	T.BREWBAKER	01/05/95	ANGULAR	0X	±0.3	size	A4				
Eng	THANNA	01/05/95	LINEAR	0XX	±0.15	ECN					
Chr	JMURPHY	01/05/95	0° ±2°	0XXX	±0.05	Spec ref					
Appr	THANNA	01/05/95	Product family	BERGSTIK							
FCI			BERGSTIK® II HEADER			68000			Rev. DC		
			.100/2.54cc SR STRAIGHT			CUSTOMER			sheet 4 of 8		

ENGTH	MATING	LENGTH	BERGSTRIPTM	LF
DIM G	DIM H	DIM H	AVAILABLE	OPTION
METRIC	ENGLISH	METRIC	NOTES	
-5.16	0.318	8.08	POLY-BAGS	NO
-6.93	0.230	5.84	POLY-BAGS	NO
-5.16	0.400	10.16	POLY-BAGS	NO
-10.49	0.230	5.84	POLY-BAGS	NO
5.72	0.318	8.08	POLY BAGS	NO
-17.35	0.230	5.84	POLY-BAGS	NO
-14.81	0.230	5.84	POLY-BAGS	NO
-17.02	0.700	17.78	POLY-BAGS	NO
2.41	0.540	13.72	POLY BAGS	NO
-17.02	0.280	7.11	POLY-BAGS	NO
7.37	0.318	8.08	POLY BAGS	NO
-15.57	0.400	10.16	POLY-BAGS	NO
9.35	0.120	3.05	POLY BAGS	NO
-3.30	0.590	14.99	POLY-BAGS	NO
-10.11	0.110	2.79	POLY-BAGS	NO
-14.63	0.458	11.63	POLY-BAGS	NO
-5.41	0.600	15.24	POLY-BAGS	NO
2.41	0.200	5.08	POLY BAGS	NO
7.24	0.230	5.84	POLY BAGS	NO
-5.72	0.230	5.84	POLY-BAGS	NO
-11.18	0.340	8.64	POLY-BAGS	NO
-13.21	0.396	10.06	POLY-BAGS	NO
-13.54	0.533	13.54	POLY-BAGS	NO
-8.97	0.350	8.89	POLY-BAGS	NO
-5.41	0.275	6.99	POLY-BAGS	NO
2.54	0.270	6.86	POLY BAGS	NO
-6.93	0.318	8.08	POLY-BAGS	NO

www.fciconnect.com		surface ISD 1302		tolerance std ISD 406 ISD 1101		projection		INCH/MM	
TOLERANCES UNLESS OTHERWISE SPECIFIED		ANGULAR		0X		±0.3		Scale 1.000	
Dr	T.BREWBAKER	01/05/95	LINEAR	0XX	±0.15	size A4			
Eng	THANNA	01/05/95	0°	0XXX	±0.05	ENI			
Chr	JMURPHY	01/05/95	Product family	BERGSTIK		Spec ref			
Appr	THANNA	01/05/95	BERGSTIK® II HEADER		68000		Rev. DC		
catalog no		.100/2.54cc SR STRAIGHT		CUSTOMER		sheet 5 of 8			

ENGTH	MATING	LENGTH		BERGSTRIPTM	LF
DIM G	DIM H	DIM H		AVAILABLE	OPTION
1.57	0.338	8.59		NO	OB
10.74	0.110	2.79		NO	OB
5.41	0.100	2.54		NO	NOTE 1,12
0.00	0.350	8.89		NO	OB
3.05	0.500	12.70		NO	OB
3.43	0.295	7.49		NO	
8.46	0.318	8.08		NO	
4.32	0.170	4.32		NO	OB
2.92	0.449	11.40		NO	OB
2.29	0.740	18.80		NO	OB
2.54	1.000	25.40		NO	OB
2.29	0.910	23.11		NO	OB
3.05	0.880	22.35		NO	
15.49	0.318	8.08		NO	OB
8.46	0.230	5.84		NO	OB
3.05	0.458	11.63		NO	OB
12.70	0.650	16.51		NO	
3.05	0.318	8.08		YES	
BLE				-	
BLE				-	
BLE				-	
BLE				-	
BLE				-	
3.94	0.175	4.45		NO	
BLE				-	
3.05	0.475	12.07		NO	OB
3.05	0.400	10.16		NO	OB

NOTE 1,12

www.fciconnect.com		surface		tolerance std		projection		INCH/MM	
		ISD 1302		ISD 406 ISD 1101				Scale	
		TOLERANCES UNLESS OTHERWISE SPECIFIED						1,000	
Dr	T.BREWBAKER	01/05/95	ANGULAR	0X	±0.3				
Eng	THANNA	01/05/95	LINEAR	0XX	±0.15	A4			
Chr	JMRRPH	01/05/95	0° ±2°	0XXX	±0.05	ENI			
Appr	THANNA	01/05/95	Product family	BERGSTIK	Spec ref				
FCI		BERGSTIK® II HEADER		68000		Rev.		DC	
100/2.54cc SR STRAIGHT		CUSTOMER		sheet 6 of 8					

2

3

4

ENGTH	MATING	LENGTH		BERGSTRIIP™	LF
DIM G	DIM H	DIM H		AVAILABLE	OPTION
METRIC	ENGLISH	METRIC		NOTES	
3.05	0.120	3.05		POLY-BAGS	YES OB
3.81	0.120	3.05		POLY-BAGS	YES OB
3.05	0.220	5.59		POLY-BAGS	YES OB
3.05	0.230	5.84		POLY-BAGS	NOTE 9 NO OB
BLE					NOTE 1,12
BLE					
BLE					
BLE					
2.54	0.700	17.78		POLY-BAGS	NOTE 10 NO OB
3.05	0.800	20.32		POLY-BAGS	NO OB
2.41	1.043	26.49		POLY BAGS	NOTE 10 NO OB
3.05	0.675	17.15		POLY-BAGS	NO OB
3.05	0.780	19.81		POLY-BAGS	NO OB
2.79	0.920	23.37		POLY-BAGS	NO OB
3.05	0.160	4.06		POLY BAGS	NO OB
3.25	0.830	21.08		POLY BAGS	NO NOTE 1,12
2.41	0.341	8.66		POLY-BAGS	NOTE 10 NO OB
2.54	0.700	17.78		POLY-BAGS	NO OB
0.00	0.230	5.84		POLY-BAGS	NOTE 7 NO OB

www.fciconnect.com				surface ISD 1302		tolerance std ISD 406 ISD 1101		projection		INCH/MM	
				TOLERANCES UNLESS OTHERWISE SPECIFIED						Scale 1.000	
Dr	T.BREWBAKER	01/05/95	ANGULAR	0X	±0.3	size	A4				
Eng	THANNA	01/05/95	LINEAR	0XX	±0.15	ECN					
Chr	JMURPHY	01/05/95	0° ±2°	0XXX	±0.05	Spec ref					
Appr	THANNA	01/05/95	Product family	BERGSTIK							
			BERGSTIK® II HEADER			68000			Rev. DC		
			.100/2.54cc SR STRAIGHT			CUSTOMER			sheet 7 of 8		

2

3



4

ENGTH	MATING	LENGTH	BERGSTRIPTM	LF
DIM G	DIM H	DIM H	AVAILABLE	OPTION
3.43	0.433	11.00	NOTE 10	OB
2.41	0.313	7.95	NOTE 10	OB
2.69	0.178	4.52	NO	OB
2.79	0.230	5.84	YES	OB
5.72	0.900	22.86	NO	NOTE 1,12
2.39	0.178	4.52	NO	OB
3.00	0.354	8.99	NO	OB
1.50	0.235	5.97	NO	OB
2.16	0.400	10.16	NO	OB
3.30	0.711	18.06	NO	OB
2.16	0.230	5.84	NO	OB
3.51	0.138	3.51	NOTE 10	NO
7.98	0.178	4.52	NO	OB
3.30	0.330	8.38	NOTE 10	OB
2.41	0.125	3.18	NO	OB
1.52	0.400	10.16	NO	OB
14.00	0.531	13.49	NOTE 10	OB
3.20	0.144	3.66	NOTE 10	OB
3.94	0.400	10.16	NO	OB
2.41	0.969	24.61	NOTE 10	OB
10.67	0.090	2.29	NO	OB
2.41	0.280	7.11	NO	OB
2.41	0.095	2.41	NO	OB
2.9	0.265	6.75	YES	OB
3.30	0.105	2.67	NO	OB
3.05	0.406	10.3	POLY BAGS/TAPE REEL	NOTE 1,12

www.fciconnect.com		surface ISD 1302		tolerance std ISD 406 ISD 1101		projection		INCH/MM	
TOLERANCES UNLESS OTHERWISE SPECIFIED		ANGULAR		0X		±0.3		Scale 1.000	
Dr	T.BREWBAKER	01/05/95	LINEAR	0XX	±0.15	size A4			
Eng	THANNA	01/05/95	0	±2*	EEN				
Chr	JMURPHY	01/05/95	Product family		Spec ref				
Appr	THANNA	01/05/95	BERGSTIK® II HEADER		68000				Rev. DC
		.100/2.54cc SR STRAIGHT		CUSTOMER		sheet 8 of 8			

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