

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[FCI](#)

[77313-401-04LF](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

PRODUCT NUMBER  
77313-YXX-XXLF

PLATING SEE SHEET 2

PIN STYLE SEE SHEET 2

PRODUCT NUMBER (BERGSTRIK PACKAGING)  
77313-YXX-00LF

PLATING

1= 0.76µm GOLD/GXT ON CONTACT AREA, 2µm TIN MIN ON TAILS

8= 0.38µm GOLD/GXT ON CONTACT AREA, 2µm TIN MIN ON TAILS

4= 2.0µm TIN MIN FULL PLATED

1.27µm NICKEL MIN UNDERLAYER FOR ALL PLATING VERSIONS

NOTES:

- HOUSING MAT'L : HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK
- PIN MATERIAL : PHOSPHOR BRONZE
- BERGSTIK PRODUCT PACKAGED IN POLY BAGS. BERGSTRIK PRODUCT PACKAGED PER REELS.
- 9N MIN RETENTION IN EITHER DIRECTION
- TO DETERMINE DIMENSIONS :  
N = NUMBER OF POSITIONS PER ROW  
EXAMPLE : 8 POS N x 2.54 = 20.32mm
- FOR PIN IN PASTE SOLDERING APPLICATION :  
FINISHED PLATED HOLE Ø1.02-Ø1.06  
LAND Ø1.45 MAX
- RoHS COMPATIBLE PRODUCT SPECIFICATIONS
  - a - PLATING:
    - "LF" MEANS THE PRODUCT IS LEAD-FREE, 2µm MINIMUM MATTE TIN OVER 1.27µm MINIMUM NICKEL UNDERPLATE
  - b - MANUFACTURING PROCESS COMPATIBILITY
    - THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C ±5°C SOLDER BATH TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.6mm MIN THICK CIRCUIT BOARD
    - REFLOW COMPATIBLE
  - c - LABELING:
    - MEETS PACKAGING SPECS AS PER GS-14-920
  - d - LEGAL STATEMENT: SEE GS-47-0004
8. OPTIONS :
  - = POLYBAG PACK
  - "A" = TAPE & REEL WITH CAP, AS AVAILABLE
  - "T" = STANDARD TUBE PACKAGING
  - "V" = BLIBOX PACK FOR CUSTOMER DEDICATED PART
  - "AV" = TAPE & REEL WITH CAP FOR CUSTOMER DEDICATED PART
  - "KV" = TAPE & REEL WITHOUT CAP FOR CUSTOMER DEDICATED PART
  - "TV" = TUBE WITHOUT CAP FOR CUSTOMER DEDICATED PART
  - "R" = RETENTION FEATURE PAGE 2  
IF RETENTION FEATURE "R" AND TUBE PACKAGING "T" ARE BOTH REQUIRED  
OPTIONAL LETTER "R" WILL APPEAR INSTEAD OF THE FIRST DASH  
EXAMPLE : 77313R118T40LF

BERGSTRIK HEADER REEL PACKAGING DIMENSIONS

RoHS COMPATIBLE SEE NOTE 7

TOTAL NB OF POSITIONS 04 TO 72  
OPTION LETTERS : NOTE 8

INDICATES THE PRODUCT IS RoHS COMPATIBLE, SEE NOTE 6

POSITIONS PER REEL : 00=45,000 (BERGSTRIK)

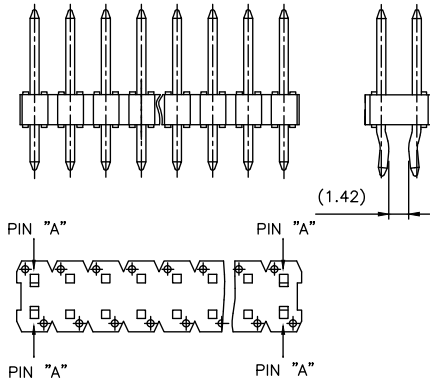
PIN STYLE	MATING	SOLDER	OAL
01	5.84	2.41	10.8
02	5.84	3.42	11.8
18	5.84	3.05	11.43
22	7.75	3.05	13.35
24	6.75	2.9	12.2
27	6.6	2.66	11.8

mat'l. code		surface		tolerance		projection		product family	
SEE NOTES		ISO 1902	ISO 406	ISO 1101	tolerances unless otherwise specified		BERGSTIK		
Ltr	ecn no	dr	date	angles	linear	x ±0.3	mm	title	
BX	F-21455	AMA	15.07.20			.xx ±0.15		UNSHR. HEADER	
BY	F-22605	BVE	15.11.24			.xxx ±0.05	scale 5:1	STR DR TMT	
CA	F-23186	AMA	16.02.01					dwg no	
CB	F-23264	AMA	16.02.16	dr	D.L.E	01.01.24		sheet 1 of 3	
CC	F-23581	AMA	16.03.22	enrg	J.M.C	01.01.24		size	
				chr	J.M.C	01.01.24		77313	
BW	B-20596	AMA	15.03.30	appd	JCO	01.01.24		A3	
sheet	revision	CC	BK	B				type CUSTOMER Drawing	
index	sheet	1	2	3					

**PLATING**

- 1 = 0.76µm GOLD/GXT ON CONTACT AREA, 2µm TIN MIN ON TAIL
- 4 = 2µm TIN MIN FULL PLATED
- 5 = 0.25µm GOLD/GXT ON CONTACT AREA, 2µm TIN MIN ON TAIL
- 8 = 0.38µm GOLD/GXT ON CONTACT AREA, 2µm TIN MIN ON TAIL
- G = 0.76µm FULL GXT
- S = 0.38µm FULL GXT
- T = 2µm TIN MIN FULL PLATED INCLUDED PIN TYP
- 1.27µm NICKEL MIN UNDERLAYER FOR ALL PLATING VERSIONS

**RETENTION OPTION**



**NOTES:**

1. PART NUMBER 77313-YXXRXXLF
2. 4 PINS "A" USED FOR RETENTION  
DIRECTION OF RETENTION SHOWN BY ARROWS  
PIN "A" AT EACH END OF HEADER.
3. FOR RETENTION OPTION, SOLDER TAIL LENGTH TO BE  
2.9 MIN UP TO 3.5 MAX.

PRODUCTS SPECIFICATIONS			
PIN STYLE	MATING	SOLDER	OAL
01	5.84	2.41	10.8
02	5.84	3.42	11.8
03	5.72	5.09	13.35
04	5.72	7.64	15.90
15	8.51	2.55	13.6
18	5.84	3.05	11.43
19	12.83	3.03	18.4
20	15.37	3.04	20.95
22	7.75	3.05	13.35
24	6.75	2.9	12.2
27	6.6	2.65	11.8
29	17.46	3.50	23.5
38	5.84	3.82	12.20
46	8.08	2.98	13.6
52	9.5	3.05	15.09
57	8.46	3.05	14.05
58	14.47	3.05	20.06
83	20.46	3.0	26.0
85	10.5	2.9	15.9
87	6.98	3.05	12.57

PRODUCTS SPECIFICATIONS			
PIN STYLE	MATING	SOLDER	OAL
89	6.93	5.00	14.47
90	6.75	4.05	13.34
91	5.60	10.21	18.4
92	5.65	12.76	20.95
93	6.00	4.81	13.35
94	9.65	2.90	15.09
95	8.90	3.60	15.09
96	20.83	3.05	26.42
97	14.70	3.70	20.95
98	6.00	6.00	14.47
99	8.05	2.25	12.8
AA	11.90	3.30	17.70
AB	7.00	1.50	11.00
AC	N/A		
AD	8.51	10.59	21.64
AE	3.30	3.30	9.14
AF	N/A		
AG	4.79	3.00	10.33
AH	2.67	3.43	8.64
AJ	8.00	8.00	18.54
AK	7.00	7.00	16.54
AL	5.90	1.60	10.05
AM	12.06	2.60	17.20
AN	11.50	1.90	15.94
AP	14.00	2.20	18.70
AR	8.96	2.10	13.60
AS	8.08	2.72	13.37

mat'l. code		surface		tolerance		projection		product family	
		ISO 1302		ISO 406 ISO 1101		mm		BERGSTIK	
ltr		ecn no		dr		date		title	
BE		B-18917		LMU		14.09.26		UNSHR.HEADER	
BF		B-19782		AMA		14.12.18		STR DR TMT	
BG		B-20321		AMA		15.01.26		dwg no	
BH		B-20596		AMA		15.03.30		77313	
BJ		F-21455		AMA		15.07.20		sheet 2 of -	
BK		F-22605		BVE		15.11.24		A3	
sheet		revision		D.L.E		01.01.24		type	
index		sheet		engr		01.01.24		CUSTOMER	
				chr		01.01.24		Drawing	
				appd		J.F.N		01.01.24	

PRODUCTS SPECIFICATIONS				
PIN	STYLE	MATING	SOLDER	OAL
AT		5.84	7.20	15.57
AU		10.95	3.05	16.55
AV		8.08	4.32	14.96
AW		8.08	3.81	14.43
AX		6.40	3.09	12.05
AY		5.08	2.79	10.40
BA		8.97	2.79	14.05
BB		6.48	3.05	12.05
BC		11.85	4.04	18.40
BD		26.00	3.05	31.55

mat'l. code		surface		tolerance		projection		product family	
		ISO 1302		ISO 406 ISO 1101				BERGSTIK	
ltr		ecn no		dr		date		title	
A		F-22605		BVE		15.11.24		UNSHR.HEADER	
B		F-23264		AMA		16.02.16		STR DR TMT	
				angles		linear		mm	
								scale N/A	
				dr		D.LE		01.01.24	
				engr		J.M.C		01.01.24	
				chr		J.M.C		01.01.24	
				appd		J.F.N		01.01.24	
sheet		revision						dwg no	
index		sheet						77313	
								sheet 3 of -	
								size	
								A3	
								type	
								CUSTOMER Drawing	



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