

**PRODUCT NUMBER**  
77313-XXX-XXLF

**ROHS COMPATIBLE**  
SEE NOTE 7  
TOTAL NB OF POSITIONS 04 TO 72  
OPTION LETTERS : NOTE 8

**PRODUCT NUMBER (BERGSTRIIP PACKAGING)**  
77313-XXX-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:**

1. HOUSING MAT'L : HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK

2. PIN MATERIAL : PHOSPHOR BRONZE

3. BERGSTRIIP PRODUCT PACKAGED IN POLY BAGS.

4. 9N MIN RETENTION IN EITHER DIRECTION

5. TO DETERMINE DIMENSIONS :  
N = NUMBER OF POSITIONS PER ROW  
EXAMPLE : 8 POS N x 2.54 = 20.32mm

6. FOR PIN IN PASTE SOLDERING APPLICATION :  
FINISHED PLATED HOLE Ø1.02-Ø1.06  
LAND Ø1.45 MAX

7. **ROHS COMPATIBLE PRODUCT SPECIFICATIONS**

**d - 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" = BILBOX 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

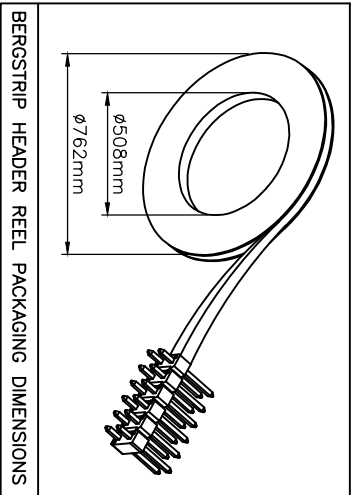
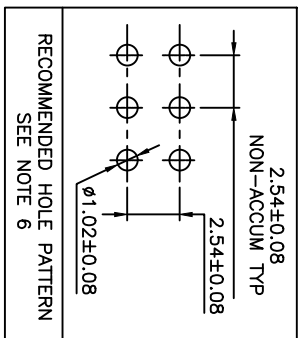
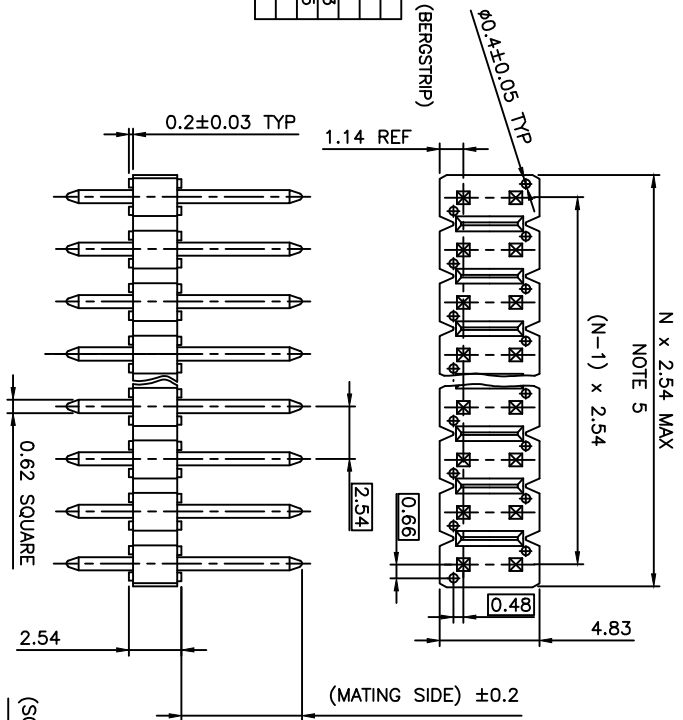
"R" = RETENTION FEATURE PAGE 2

IF RETENTION FEATURE "R" AND TUBE PACKAGING "T" ARE BOTH REQUIRED OPTIONAL LETTER "R" WILL APPEAR INSTEAD OF THE FIRST DASH

EXAMPLE : 77313R118T40LF

"KR" = T&R WITHOUT CAP WITH RETENTION FEATURE

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**

**SEE NOTES**

lfr	ecn no	lfr	date	ISO 1302	tolerance	ISO 406	ISO 1101
BX	F-21451	AMA	15.07.20	tolerances unless otherwise specified	xx ±0.3		
BY	F-22865	BVE	15.11.24	linear	xxx ±0.5		
CA	F-23186	AMA	16.02.01		xxx ±0.5		
CB	F-23264	AMA	16.02.16	DLE		01.01.24	
CC	F-23581	AMA	16.03.22	engr	JM.C	01.01.24	
CD	F-24862	AMA	16.08.31	chr	JM.C	01.01.24	
CE	B-26200	JCA	17.02.27	lqpd	JCO	01.01.24	

**projection**  
mm  
scale 5:1

**product family**  
BERGSTIK

**title**  
UNSHR.HEADER  
STR DR TMT

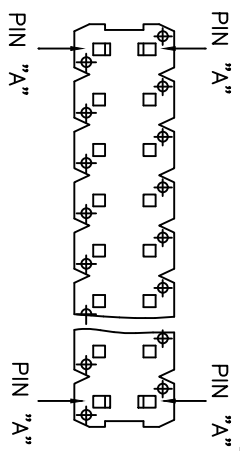
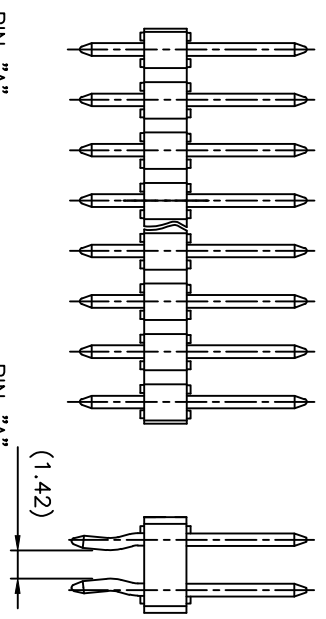
**dwg no**  
77313

**sheet 1 of 3**  
size A3

**type**  
CUSTOMER Drawing

- 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-XXXXLFL
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
lfr ecn no	dr	date	angles	linear
BE B-18917	LWU	14.09.26		
BF B-19782	AMA	14.12.18		
BG B-20321	AMA	15.01.26		
BH B-20596	AMA	15.03.30		
BI F-21455	AMA	15.07.20	J.M.C	01.01.24
BK F-22605	BVE	15.11.24	J.M.C	01.01.24
			J.F.N	01.01.24
sheet	revision			
index	sheet			
title		UNSHR.HEADER		
product family		STR DR TMT		
drawing no		77313		
sheet 2 of -		size		
type		CUSTOMER Drawing		

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
BE	9.08	1.90	13.52

mat'l. code	surface	tolerance	projection	product family
	ISO 1302	ISO 406 ISO 1101		BERGSTIK
A F-22605 BVE 15.11.24	tolerances unless otherwise specified		mm	title
B F-23284 AMA 16.02.16	angles	linear		UNSHR.HEADER
C B-26200 JCA 17.02.27	D.L.E	01.01.24	scale N/A	STR DR TMT
	engr	JM.C		dwg no
	chr	JM.C		77313
	appd	JF.N		sheet 3 of - size
		01.01.24		A3
sheet	revision			type
index	sheet			CUSTOMER Drawing