

PRODUCT NUMBER
77313-YXX-XXLF

PLATING SEE SHEET 2
PIN STYLE SEE SHEET 2

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

PRODUCT NUMBER (BERGSTRIK PACKAGING)
77313-YXX-OOLF

PLATING

INDICATES THE PRODUCT IS RoHS COMPATIBLE, SEE NOTE 6

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

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

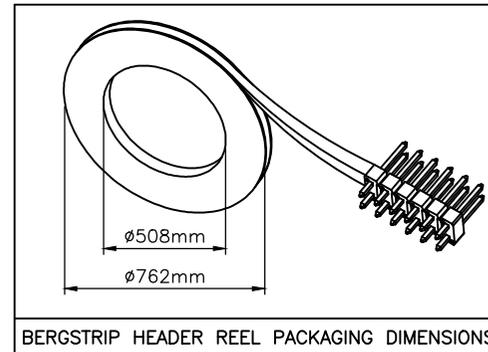
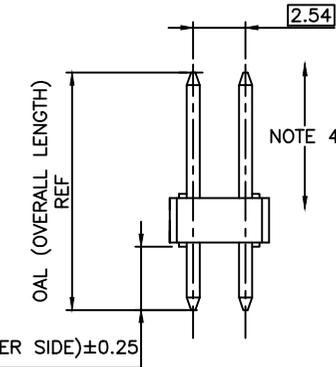
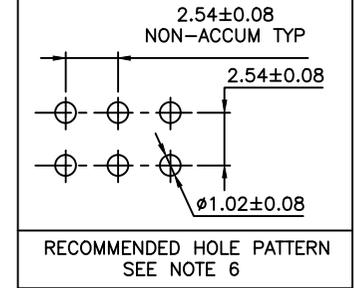
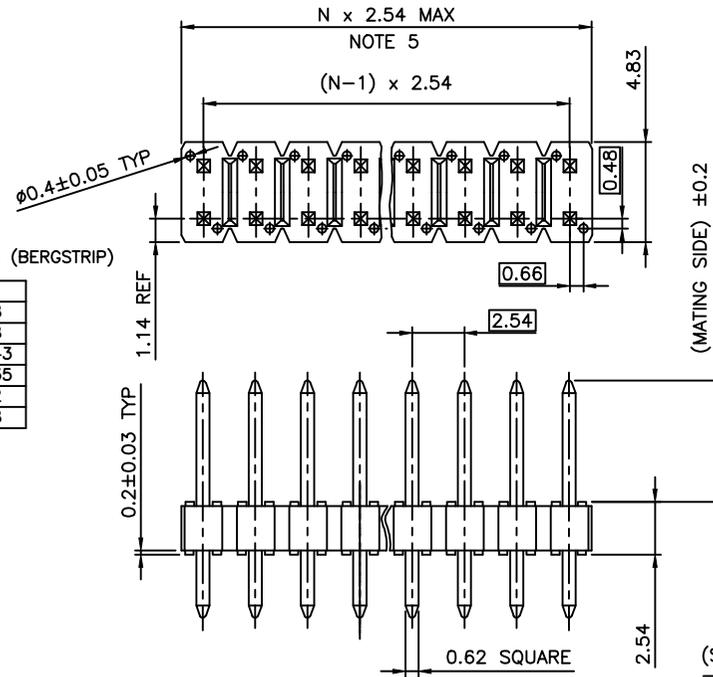
PIN STYLE	MATING	SOLDER	OAL
01	5.84	2.41	10.8
02	5.84	3.42	11.8
18	5.84	3.05	11.43
22	7.75	3.05	13.35
24	6.75	2.9	12.2
27	6.6	2.66	11.8

NOTES:

- HOUSING MAT'L : HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK
- PIN MATERIAL : PHOSPHOR BRONZE
- BERGSTRIK 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 : 77313R118T4OLF
 - "KR" = T&R WITHOUT CAP WITH RETENTION FEATURE



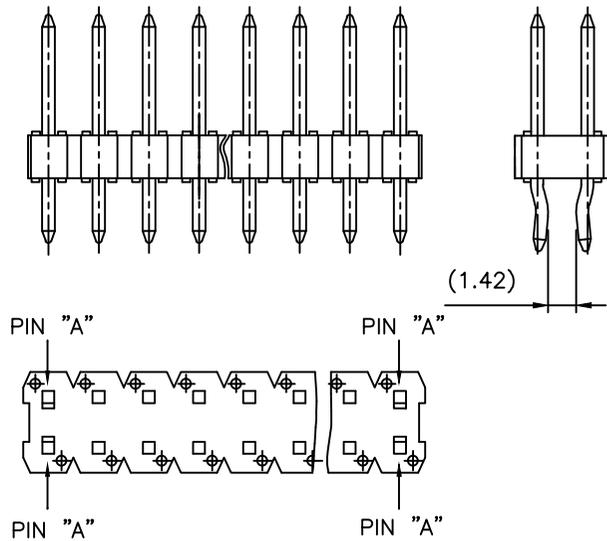
mat'l. code SEE NOTES		surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection mm		product family BERGSTIK	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title UNSHR.HEADER STR DR TMT	
BX	F-21455	AMA	15.07.20	angles	.x ±0.3	mm		dwg no	
BY	F-22605	BVE	15.11.24	Linear	.xx ±0.15	mm		sheet 1 of 3 size	
CA	F-23186	AMA	16.02.01		.xxx ±0.05	scale 5:1		77313 A3	
CB	F-23264	AMA	16.02.16	dr	D.LE	01.01.24		type	
CC	F-23581	AMA	16.03.22	enr	JM.C	01.01.24		CUSTOMER Drawing	
CD	F-24862	AMA	16.08.31	chr	JM.C	01.01.24			
				appd	JCO	01.01.24			
sheet index	revision sheet	CD	BK	B					
		1	2	3					

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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



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

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.

mat'l. code		surface ISO 1302 <input checked="" type="checkbox"/> ISO 406 ISO 1101		tolerance tolerances unless otherwise specified		projection mm		product family BERGSTIK	
ltr	ecn no	dr	date	angles	Linear	mm		title UNSHR.HEADER STR DR TMT	
BE	B-18917	LMU	14.09.26			scale N/A		dwg no 77313	
BF	B-19782	AMA	14.12.18					sheet 2 of - size A3	
BG	B-20321	AMA	15.01.26					type CUSTOMER Drawing	
BH	B-20596	AMA	15.03.30	dr	D.LE	01.01.24			
BJ	F-21455	AMA	15.07.20	enr	JM.C	01.01.24			
BK	F-22605	BVE	15.11.24	chr	JM.C	01.01.24			
				appd	JF.N	01.01.24			
sheet index	revision sheet								

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



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mat'l. code		surface		tolerance		projection		product family	
		ISO 1302 <input checked="" type="checkbox"/>		ISO 406 ISO 1101				BERGSTIK	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title	
A	F-22605	BVE	15.11.24	angles	Linear	← mm →		UNSHR.HEADER	
B	F-23264	AMA	16.02.16			scale N/A		STR DR TMT	
				dr	D.LE	01.01.24		dwg no	
				enr	JM.C	01.01.24		sheet 3 of - size	
				chr	JM.C	01.01.24		77313 A3	
				appd	JF.N	01.01.24		type CUSTOMER Drawing	
sheet index	revision sheet								