

# PRODUCT NUMBER

77313-YYX-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-YYX-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

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

## 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

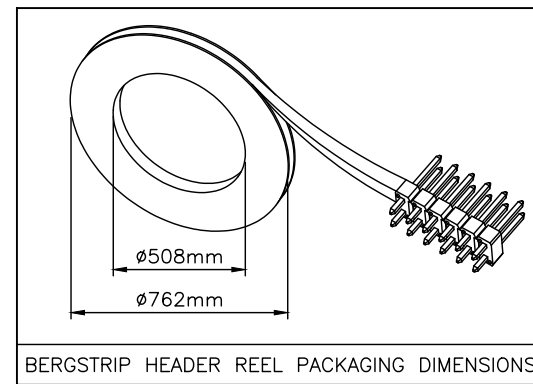
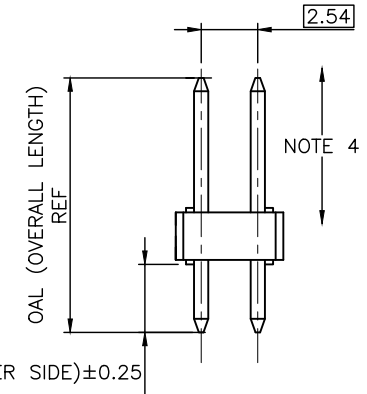
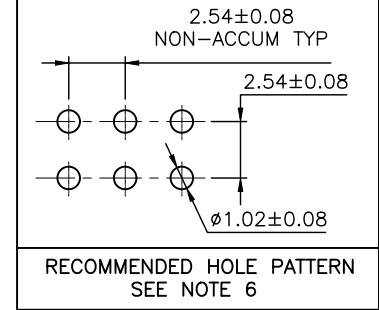
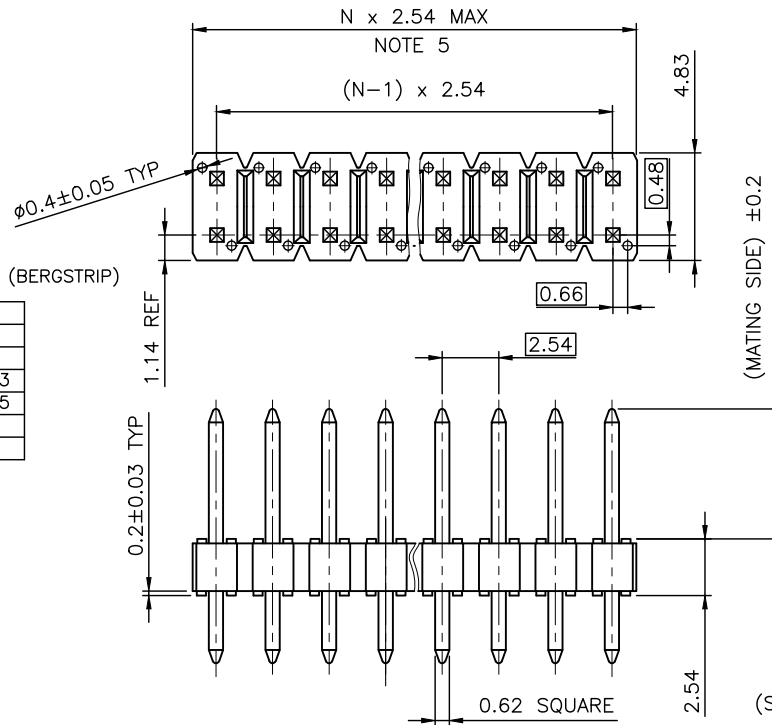
### c - LABELING:




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

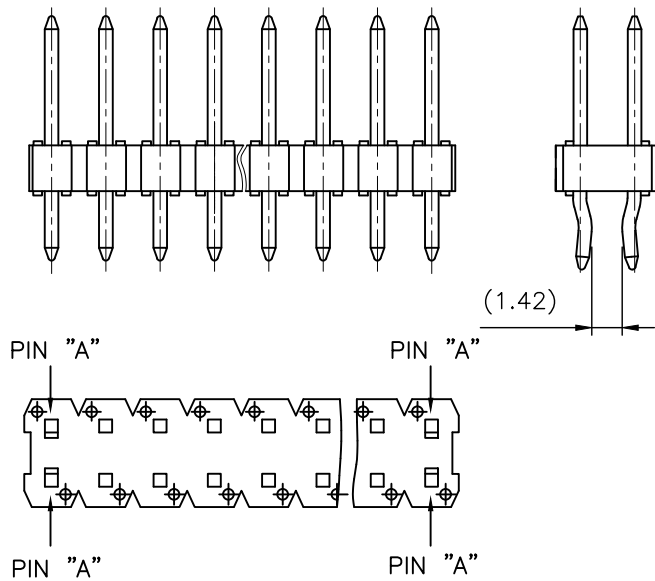


mat'l. code				surface		tolerance		projection	product family			
SEE NOTES				ISO 1302	✓	ISO 406	ISO 1101		BERGSTIK			
ltr	ecn no	dr	date	tolerances unless otherwise specified					title			
CG	F-33925	LMU	19.06.14	angles linear		.X ±0.3						
CH	F-40035	DDE	21.02.17			.XX ±0.15						
						.XXX ±0.05	scale 5:1		UNSHR.HEADER STR DR TMT			
CC	F-23264	AMA	16.02.16	dr	D.LE	01.01.24			dwg no		sheet 1 of 3	size
CD	F-23581	AMA	16.03.22	engr	JM.C	01.01.24			77313		A3	
CE	F-24865	AMA	16.08.31	chr	JM.C	01.01.24						
CF	B-26200	JCA	17.02.27	appd	JCO	01.01.24			type CUSTOMER Drawing			
sheet index	revision sheet	CH	BK	E								
		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:

- PART NUMBER 77313-YXXRXXLF
- 4 PINS "A" USED FOR RETENTION  
DIRECTION OF RETENTION SHOWN BY ARROWS  
PIN "A" AT EACH END OF HEADER.
- 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		BERGSTIK
ltr	ecn no	dr	date	tolerances unless otherwise specified			title
BE	B-18917	LMU	14.09.26	angles	linear		UNSHR.HEADER
BF	B-19782	AMA	14.12.18			mm	STR DR TMT
BG	B-20321	AMA	15.01.26			scale N/A	
BH	B-20596	AMA	15.03.30	dr	D.LE		dwg no
BJ	F-21455	AMA	15.07.20	enr	JM.C		sheet 2 of -
BK	F-22605	BVE	15.11.24	chr	JM.C		size
				appd	JF.N		A3
sheet index				revision			type
				sheet			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
BF		9.90	2.65	15.09
BG		9.50	3.25	15.29
BH		5.72	16.14	24.40
BJ		4.00	2.69	9.23

A

B

C

D

A




B

C

D



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mat'l. code				surface ISO 1302 <input checked="" type="checkbox"/>		tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK			
ltr	ecn no	dr	date	tolerances unless otherwise specified						title			
A	F-22605	BVE	15.11.24	angles	linear					UNSHR.HEADER STR DR TMT			
B	F-23264	AMA	16.02.16										
C	B-26200	JCA	17.02.27										
D	F-33925	LMU	19.06.14	dr		D.LE	01.01.24			dwg no		sheet 3 of -	size
E	F-40035	DDE	21.02.17	engr		JM.C	01.01.24			77313			A3
				chr		JM.C	01.01.24						
				appd		JF.N	01.01.24			type		CUSTOMER	Drawing
sheet index		revision sheet											