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PRODUCT NUMBER

77313-YXX-XXLF

PLATING SEE SHEET 2

RoHS COMPATIBLE

SEE NOTE 7

TOTAL NB OF POSITIONS 04 TO 72

PIN STYLE SEE SHEET 2

OPTION LETTERS : NOTE 8

PRODUCT NUMBER (BERGSTRIK PACKAGING)

77313-YXX-00LF

PLATING

INDICATES THE PRODUCT IS RoHS
COMPATIBLE, SEE NOTE 61= 0.76µm GOLD/GXT ON CONTACT
AREA, 2µm TIN MIN ON TAILS

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

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

7. 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

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

Ø0.4±0.05 TYP

1.14 REF

0.2±0.03 TYP

N x 2.54 MAX

NOTE 5

(N-1) x 2.54

4.83

0.66

2.54

0.62 SQUARE

2.54

(MATING SIDE) ±0.2

(SOLDER SIDE) ±0.25

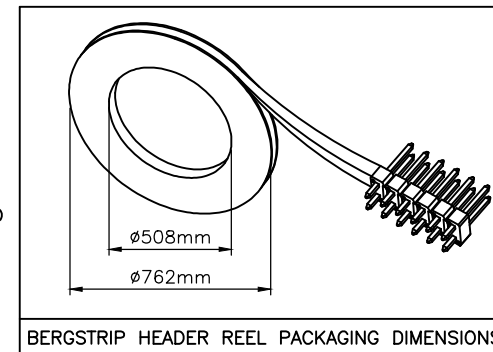
OAL (OVERALL LENGTH)
REF

NOTE 4

2.54±0.08
NON-ACCUM TYP

2.54±0.08

Ø1.02±0.08

RECOMMENDED HOLE PATTERN
SEE NOTE 6

BERGSTRIK HEADER REEL PACKAGING DIMENSIONS

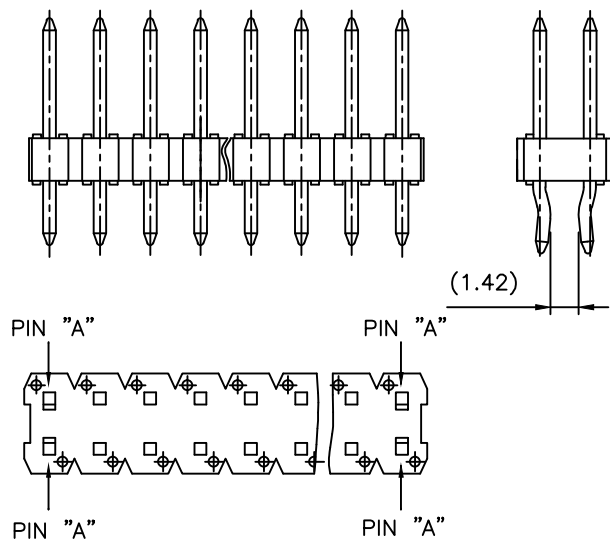
mat'l. code SEE NOTES				surface ISO 1302	tolerance ISO 406 ISO 1101	projection mm	product family BERGSTIK	
ltr	ecr no	dr	date	tolerances unless otherwise specified			title	
BX	F-21455	AMA	15.07.20	angles	.X ±0.3		UNSHR.HEADER STR DR TMT	
BY	F-22605	BVE	15.11.24	linear	.XX ±0.15			
CA	F-23186	AMA	16.02.01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

form: A3

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 ISO 1302 ☒		tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK					
ltr	ecn no	dr	date	tolerances unless otherwise specified				mm		title					
BE	B-18917	LMU	14.09.26	angles	linear					UNSHR.HEADER STR DR TMT					
BF	B-19782	AMA	14.12.18												
BG	B-20321	AMA	15.01.26												
BH	B-20596	AMA	15.03.30	dr	D.LE	01.01.24				dwg no 77313		sheet 2 of - A3			
BJ	F-21455	AMA	15.07.20	enrg	JM.C	01.01.24									
BK	F-22605	BVE	15.11.24	chr	JM.C	01.01.24									
				appd	JF.N	01.01.24				type		CUSTOMER		Drawing	
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 ISO 1302 ☒ ISO 406 ISO 1101		tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK			
ltr	ecr no	dr	date	tolerances unless otherwise specified						title			
A	F-22605	BVE	15.11.24	angles	linear					UNSHR.HEADER			
B	F-23264	AMA	16.02.16					scale N/A		STR DR TMT			
				dr	D.LE	01.01.24			dwg no		sheet 3 of -	size	
				enr	JM.C	01.01.24			77313		A3		
				chr	JM.C	01.01.24							
				appd	JF.N	01.01.24							
sheet index		revision sheet											

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