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form: A3

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
- RoHS COMPATIBLE PRODUCT SPECIFICATIONS
 - PLATING:
 - "LF" MEANS THE PRODUCT IS LEAD-FREE, 2µm MINIMUM
MATTE TIN OVER 1.27µm MINIMUM NICKEL UNDERPLATE
 - 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
 - LABELING:
 - MEETS PACKAGING SPECS AS PER GS-14-920
 - 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

(SOLDER SIDE)±0.25

(MATING SIDE) ±0.2

2.54±0.08

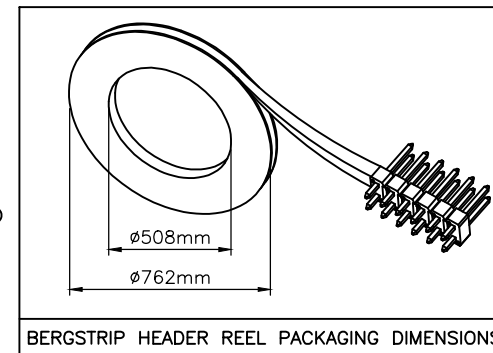
NON-ACCUM TYP

2.54±0.08

Ø1.02±0.08

RECOMMENDED HOLE PATTERN
SEE NOTE 6

NOTE 4

OAL (OVERALL LENGTH)
REF

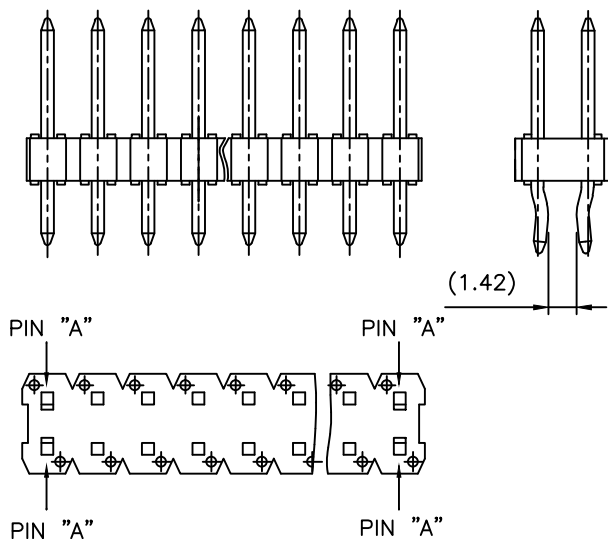
BERGSTRIK HEADER REEL PACKAGING DIMENSIONS

mat'l. code SEE NOTES				surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family BERGSTIK				
ltr	ecn no	dr	date	tolerances unless otherwise specified			 mm  scale 5:1	title			
BX	F-21455	AMA	15.07.20	angles	linear	.X ±0.3		UNSHR.HEADER STR DR TMT			
BY	F-22605	BVE	15.11.24			.XX ±0.15					
CA	F-23186	AMA	16.02.01			.XXX ±0.05					
CB	F-23264	AMA	16.02.16	dr	D.LE	01.01.24		dwg no		sheet 1 of 3	size
CC	F-23581	AMA	16.03.22	enrg	JM.C	01.01.24		77313		A3	
CD	F-24862	AMA	16.08.31	chr	JM.C	01.01.24					
CE	B-26200	JCA	17.02.27	appd	JCO	01.01.24		type		CUSTOMER	Drawing
sheet	revision	CE	BK	C							
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:

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

1

23

4

5

6

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

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form: A3

1

2

3

4

5

6

mat'l. code

surface

tolerance

projection

product family

ISO 1302

ISO 406

ISO 1101

mm

scale N/A

FCI

litr

ecr no

dr

date

tolerances unless otherwise specified

angles

linear

dr

D.LE

01.01.24

enr

JM.C

01.01.24

chr

JM.C

01.01.24

appd

JF.N

01.01.24

sheet index

revision sheet

BERGSTIK

UNSHR.HEADER

STR DR TMT

dwg no

77313

type

CUSTOMER

Drawing

sheet 3 of

size

A3

1

2

3

4

5

6

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