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PRODUCT NUMBER

77313-YXX-XXLF

PLATING SEE SHEET 2

RoHS COMPATIBLE

SEE NOTE 7

PIN STYLE SEE SHEET 2

TOTAL NB OF POSITIONS 04 TO 72

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

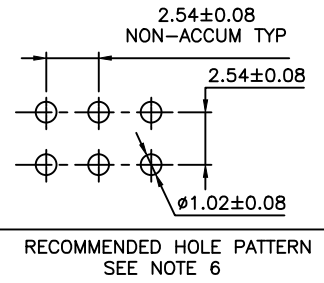
2.54

0.62 SQUARE

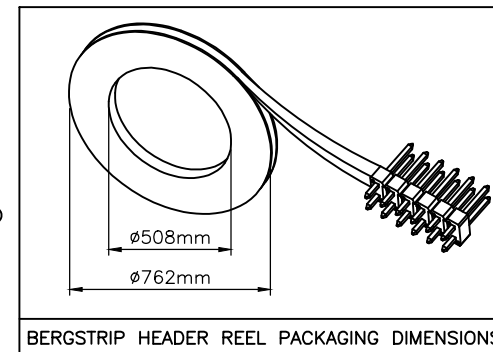
2.54

(MATING SIDE) ±0.2

(SOLDER SIDE) ±0.25



NOTE 4

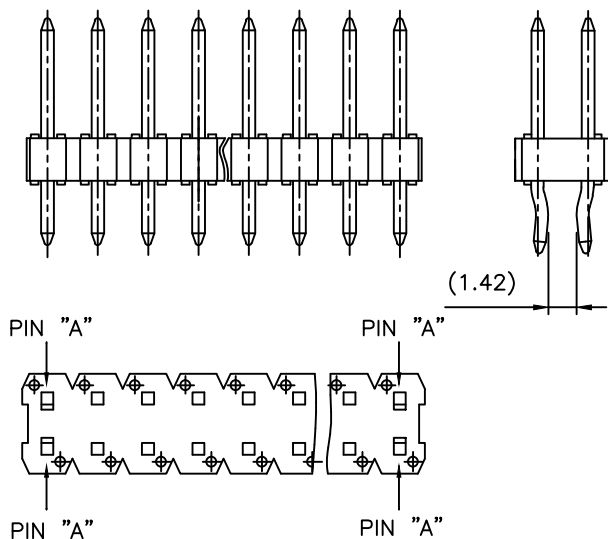


mat'l. code SEE NOTES				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK			
ltr	ecn no	dr	date	tolerances unless otherwise specified						title			
BX	F-21455	AMA	15.07.20	angles	linear	.X ±0.3				UNSHR.HEADER STR DR TMT			
BY	F-22605	BVE	15.11.24			.XX ±0.15							
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 ecn 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						

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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mat'l. code				surface ISO 1302 ☒		tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK			
ltr ecn no dr date				tolerances unless otherwise specified						title UNSHR.HEADER STR DR TMT			
A		F-22605		BVE		15.11.24		angles		linear			
B		F-23264		AMA		16.02.16							
C		B-26200		JCA		17.02.27						scale N/A	
								dr		D.I.E		01.01.24	
								engr		J.M.C		01.01.24	
								chr		J.M.C		01.01.24	
								appd		J.F.N		01.01.24	
				</									

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