PRODUCT NUMBER

77313–YXX–XXLF

- RoHS COMPATIBLE SEE NOTE 7
- TOTAL NB OF POSITIONS 04 TO 72
- OPTION LETTERS : NOTE 8
- PLATING SEE SHEET 2
- PIN STYLE SEE SHEET 2

PRODUCT NUMBER (BERGSTRIP PACKAGING)

77313–YXX–00LF

- INDICATES THE PRODUCT IS RoHS COMPATIBLE, SEE NOTE 6
- POSITIONS PER REEL : 00=45,000 (BERGSTRIP)
- PLATING

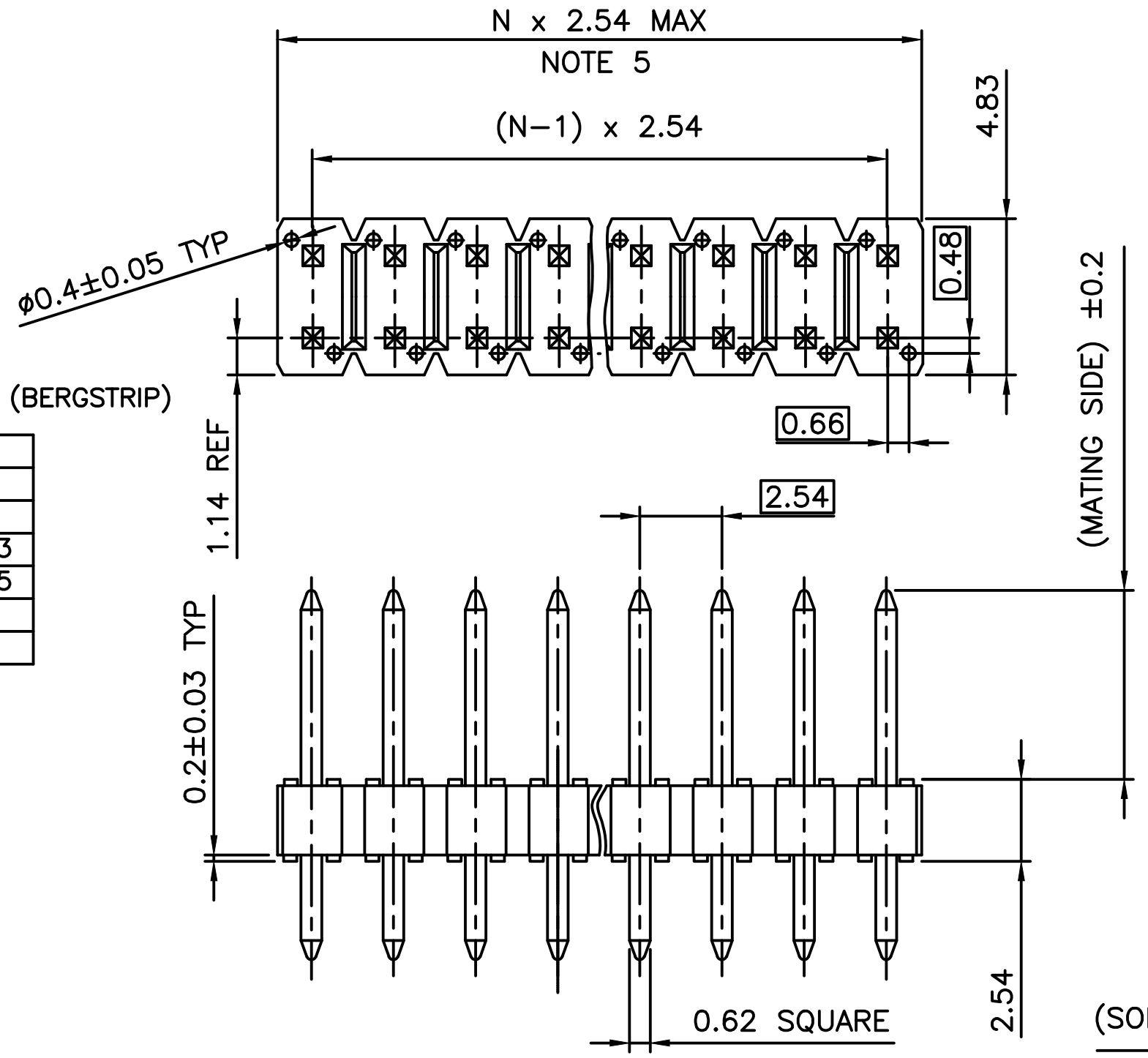
1= 0.76µm GOLD/GXT ON CONTACT AREA, 2µm TIN MIN ON TAILS

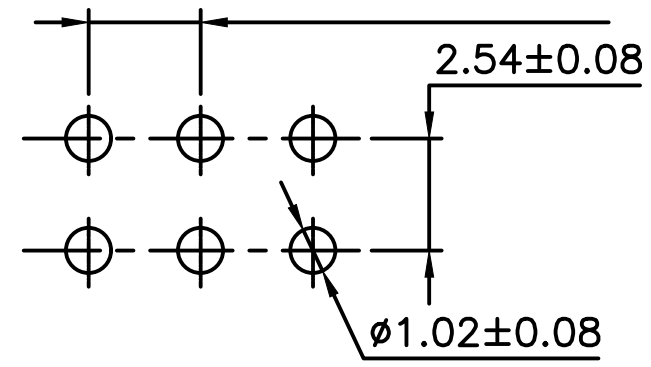
8= 0.38µm GOLD/GXT ON CONTACT AREA, 2µm TIN MIN ON TAILS

4= 2.0µm TIN MIN FULL PLATED

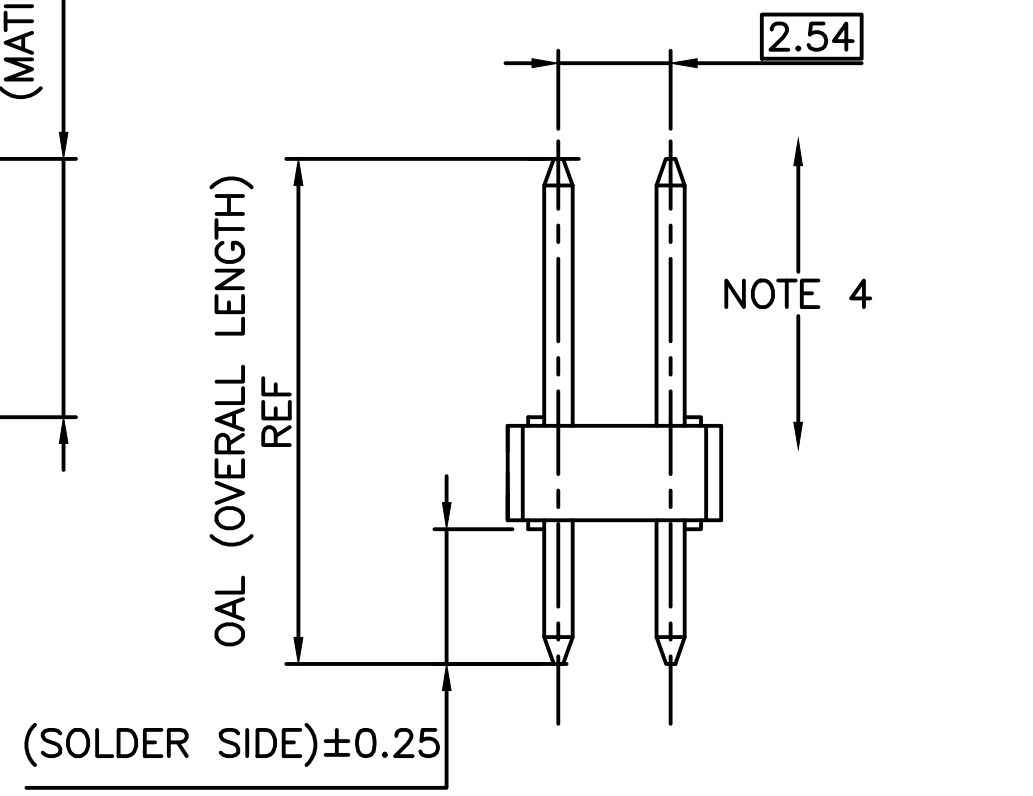
1.27µm NICKEL MIN UNDERLAYER FOR ALL PLATING VERSIONS

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



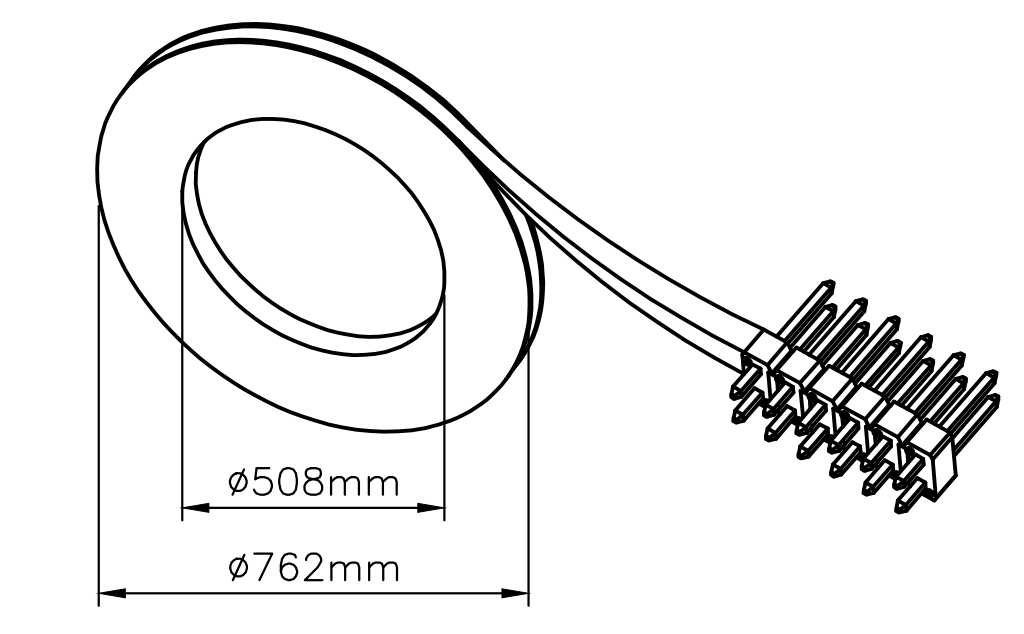


RECOMMENDED HOLE PATTERN
SEE NOTE 6



NOTES:

1. HOUSING MAT'L : HIGH TEMPERATURE THERMOPLASTIC. UL94V–0 COLOR: BLACK
2. PIN MATERIAL : PHOSPHOR BRONZE
3. BERGSTIK PRODUCT PACKAGED IN POLY BAGS. BERGSTRIP PRODUCT PACKAGED PER REELS.
4. 9N MIN RETENTION IN EITHER DIRECTION
5. TO DETERMINE DIMENSIONS :
   N = NUMBER OF POSITIONS PER ROW
   EXAMPLE : 8 POS N x 2.54 = 20.32mm
6. 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 RENTENTION 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



BERGSTRIP HEADER REEL PACKAGING DIMENSIONS

ltr	ecn no	dr	date
1	F–33925	LMU	19.06.14
CB	F–23186	AMA	16.02.01
CC	F–23264	AMA	16.02.16
CD	F–23581	AMA	16.03.22
CE	F–24865	AMA	16.08.31
CF	B–26200	JCA	17.02.27

mat'l. code: SEE NOTES

surface: ISO 1302 ✓

tolerance: ISO 406 ISO 1101 — tolerances unless otherwise specified: angles; linear .X ±0.3, .XX ±0.15, .XXX ±0.05

dr	D.LE	01.01.24
engr	JM.C	01.01.24
chr	JM.C	01.01.24
appd	JCO	01.01.24

projection; mm; scale 5:1

product family: BERGSTIK

title: UNSHR.HEADER STR DR TMT

dwg no: 77313 — sheet 1 of 3 — size A3

type: CUSTOMER Drawing

sheet index	revision	1	BK	D
	sheet	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

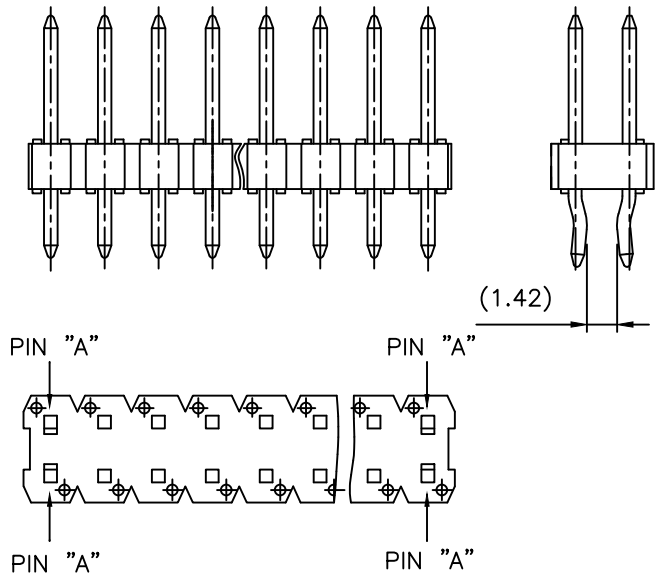
G = 0.76µm FULL GXT

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



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.

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
				tolerances unless otherwise specified			BERGSTIK
ltr	ecn no	dr	date	angles	linear		title
BE	B–18917	LMU	14.09.26			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 77313 sheet 2 of – size A3
BJ	F–21455	AMA	15.07.20	engr	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						

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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

ltr	ecn no	dr	date
A	F-22605	BVE	15.11.24
B	F-23264	AMA	16.02.16
C	B-26200	JCA	17.02.27
D	F-33925	LMU	19.06.14

mat'l. code

surface ISO 1302 ✓ tolerance ISO 406 ISO 1101

tolerances unless otherwise specified: angles, linear

projection

mm

scale N/A

dr	D.LE	01.01.24
engr	JM.C	01.01.24
chr	JM.C	01.01.24
appd	JF.N	01.01.24

sheet index | revision sheet

product family: BERGSTIK

title: UNSHR.HEADER STR DR TMT

dwg no 77313 | sheet 3 of – | size A3

type CUSTOMER Drawing

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form: A3