PRODUCT NUMBER

77313-YXX-XXLF

PLATING SEE SHEET 2

PIN STYLE SEE SHEET 2

WHEN REQUIRED, ADD SUFFIX LETTER "LF"
INDICATES THE PRODUCT IS RoHS
COMPATIBLE, SEE NOTE 6

TOTAL NB OF POSITIONS 04 TO 72

RETENTION OPTION "R" SEE SHEET 2

PRODUCT NUMBER (BERGSTRIP PACKAGING)

77313-YXX-00LF

PLATING

INDICATES THE PRODUCT IS RoHS
COMPATIBLE, SEE NOTE 6

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

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

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. RoHS COMPATIBLE PRODUCT SPECIFICATIONS

   a - PLATING:
      - "LF" MEANS THE PRODUCT IS LEAD-FREE.
        2μm MINIMUM MATTE TIN OVER 1.27μm
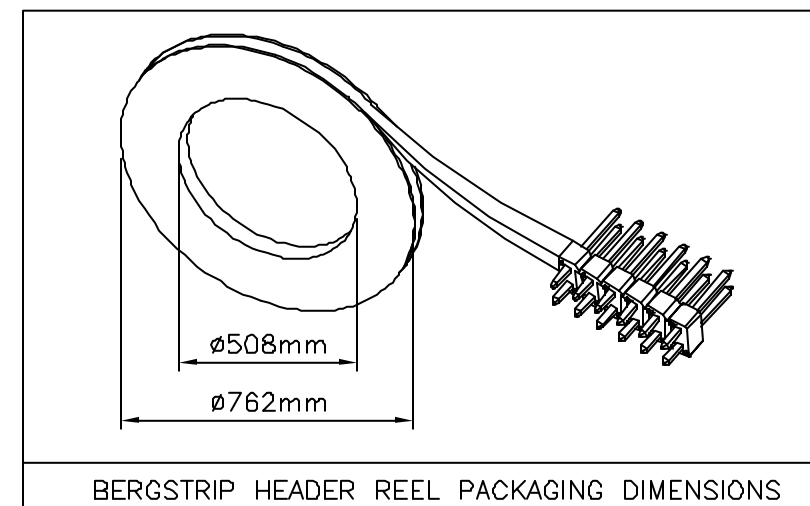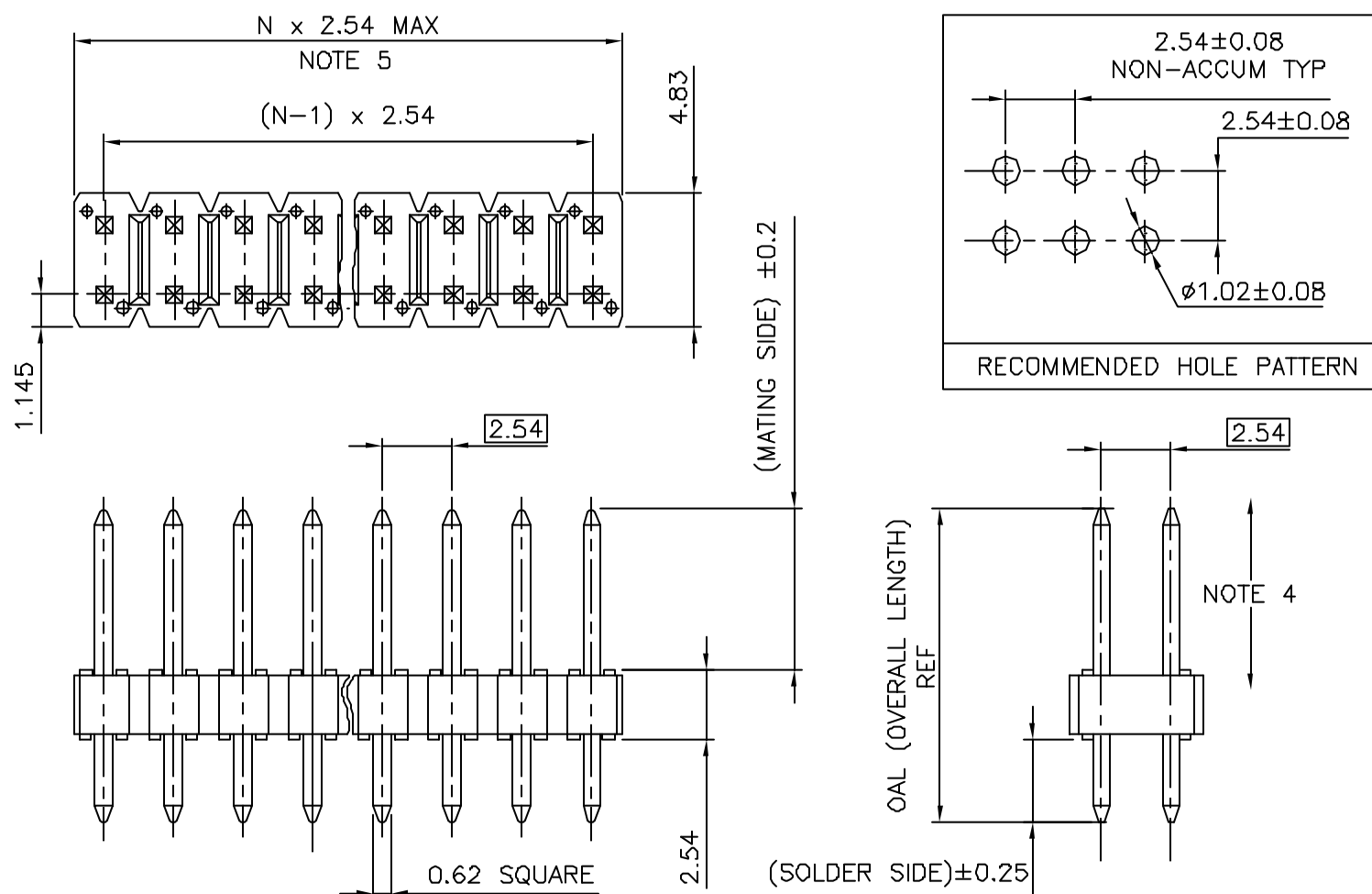   MINIMUM NICKEL UNDERPLATE.

   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.

   c - LABELING:
      - MEETS PACKAGING SPECS AS PER GS-14-920

   d - LEGAL STATEMENT: SEE GS-22-008

N x 2.54 MAX
NOTE 5

(N-1) x 2.54

4.83

1.145

2.54

(MATING SIDE) ±0.2

0.62 SQUARE

2.54

(SOLDER SIDE)±0.25

2.54±0.08
NON-ACCUM TYP

2.54±0.08

ø1.02±0.08

RECOMMENDED HOLE PATTERN

2.54

NOTE 4

OAL (OVERALL LENGTH) REF

ø508mm

ø762mm

BERGSTRIP HEADER REEL PACKAGING DIMENSIONS

mat'l. code SEE NOTES				surface ISO 1302	tolerance ISO 416 ISO 1101	projection	product family BERGSTIK
Ltr	ecn no	dr	date	tolerances unless otherwise specified			title
AY	F07-0114	LMU	07.01.24	angles	linear	.X ±0.3	mm
BA	F07-0125	LMU	07.02.05			.XX ±0.15	
BB	F07-0155	J.CO	07.03.15			.XXX ±0.05	scale 5:1
BC	F07-0225	LMU	07.06.25	dr	D.LE	01.01.24	
BD	F08-0148	RTR	08.03.31	engr	JM.C	01.01.24	
BE	F08-0205	LMU	08.07.24	chr	JM.C	01.01.24	
				appd	JF.N	01.01.24	

UNSHR.HEADER
STR DR TMT

dwg no   sheet 1 of 2

77313   size A3

type   CUSTOMER   Drawing

sheet index	revision sheet	BE 1	AX 2

form: A3

CORE RANGE

PLATING	PIN STYLE	MATING	SOLDER	OAL
1	01	5.84	2.41	10.8
1	18	5.84	3.05	11.43

PLATING

1 = 0.76μm GOLD/GXT ON CONTACT AREA
3.81μm TIN−LEAD ON TAIL

− WHEN "LF" IS REQUIRED, 2μm MATTE
TIN OVER 1.27μm MIN NICKEL IS
PROVIDED INSTEAD OF TIN−LEAD

CATALOGUE RANGE

PLATING	PIN STYLE	MATING	SOLDER	OAL
4/8	01	5.84	2.41	10.8
1/4/8	02	5.84	3.42	11.8
4/8	18	5.84	3.05	11.43
1/4/8	22	7.75	3.05	13.35
1/4/8	24	6.75	2.9	12.2
1/4/8	27	6.6	2.65	11.8

PLATING

1 = 0.76μm GOLD/GXT ON CONTACT AREA
3.81μm TIN−LEAD ON TAIL

4 = 3.81μm TIN−LEAD ON CONTACT AREA
AND ON TAIL

8 = 0.38μm GOLD/GXT ON CONTACT AREA
3.81μm TIN−LEAD ON TAIL

− WHEN "LF" IS REQUIRED, 2μm MATTE
TIN OVER 1.27μm MIN NICKEL IS
PROVIDED INSTEAD OF TIN−LEAD

APPLICATION SPECIFIC

PLATING	PIN STYLE	MATING	SOLDER	OAL
1/4/8	03	5.72	5.09	13.35
1/4/8	15	8.51	2.55	13.6
1/4/8	19	12.83	3.03	18.4
1/4/8	20	15.37	3.04	20.95
1/4/8	29	17.46	3.50	23.5
1/4/8	38	5.84	3.82	12.20
1/4/8	46	8.08	2.98	13.6
1/4/8	52	9.5	3.05	15.09
1/4/8	57	8.46	3.05	14.05
1/4/8	58	14.47	3.05	20.06
1/4/8	85	10.5	2.9	15.9
1/4/8	87	6.98	3.05	12.57
1/4/8	89	6.93	5.00	14.47
1/4/8	90	6.75	4.05	13.34
1/4/8	91	5.60	10.21	18.4
1/4/8	92	5.65	12.76	20.95
1/4/8	93	6.00	4.81	13.35
1/4/8	94	9.65	2.90	15.09

PLATING

1 = 0.76μm GOLD/GXT ON CONTACT AREA
3.81μm TIN−LEAD ON TAIL

4 = 3.81μm TIN−LEAD ON CONTACT AREA
AND ON TAIL

8 = 0.38μm GOLD/GXT ON CONTACT AREA
3.81μm TIN−LEAD ON TAIL

− WHEN "LF" IS REQUIRED, 2μm MATTE
TIN OVER 1.27μm MIN NICKEL IS
PROVIDED INSTEAD OF TIN−LEAD

NOTES:

1. PART NUMBER 77313−YXXRXX(LF)

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.

RETENTION OPTION

(1.42)

PIN "A"   PIN "A"

PIN "A"   PIN "A"
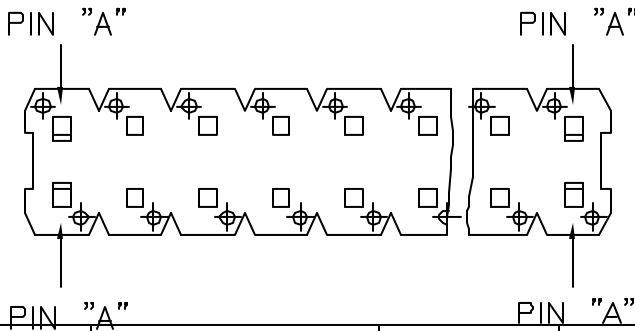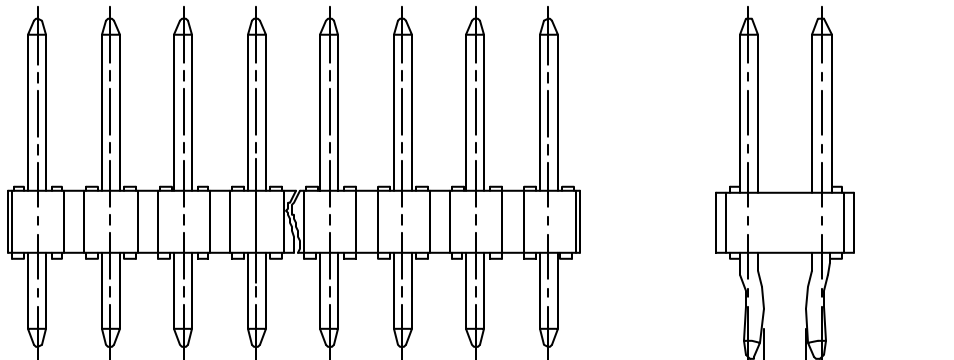
mat'l. code				surface ISO 1302 √	tolerance ISO 406 ISO 1101	projection	product family BERGSTIK
Ltr	ecn no	dr	date	tolerances unless otherwise specified			title
AW	F08−0148	RTR	08.03.31	angles	linear	mm	UNSHR.HEADER STR DR TMT
AX	F08−0205	LMU	08.07.24				
		dr	D.LE	01.01.24		scale N/A	
		engr	JM.C	01.01.24			dwg no
AT	F07−0110	LMU	07.01.17	chr	JM.C	01.01.24	77313
AU	F07−0114	LMU	07.01.24	appd	JF.N	01.01.24	
AV	F07−0125	LMU	07.02.05				type CUSTOMER Drawing
sheet index	revision sheet						

sheet 2 of −   size A3