

PRODUCT NUMBER
77311-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 01 TO 36
OPTION LETTER SEE NOTE 7

PRODUCT NUMBER (BERGSTRIK PACKAGING)
77311-YXX-00LF

PLATING

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

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

4= 2.0µm TIN MIN FULL PLATED

1.27µm NICKEL MIN UNDERLAYER FOR
ALL PLATING VERSIONS

INDICATES THE PRODUCT IS RoHS
COMPATIBLE, SEE NOTE 6

POSITIONS PER REEL : 00=36,000 (BERGSTRIK)

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:

- 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
- 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

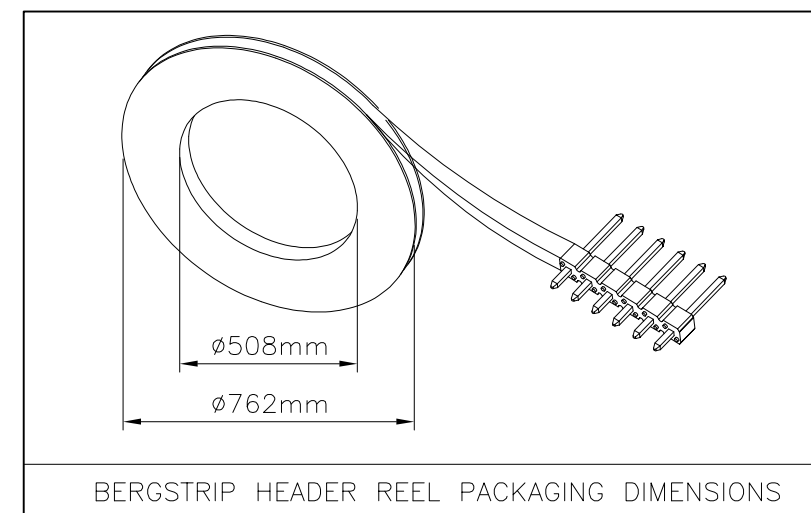
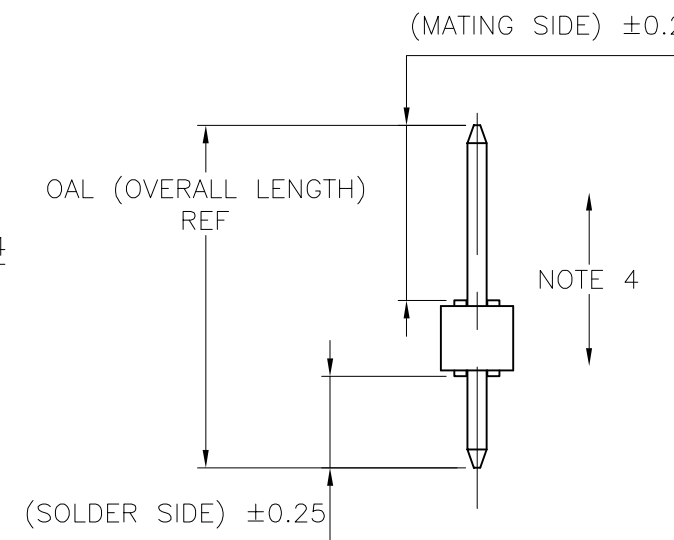
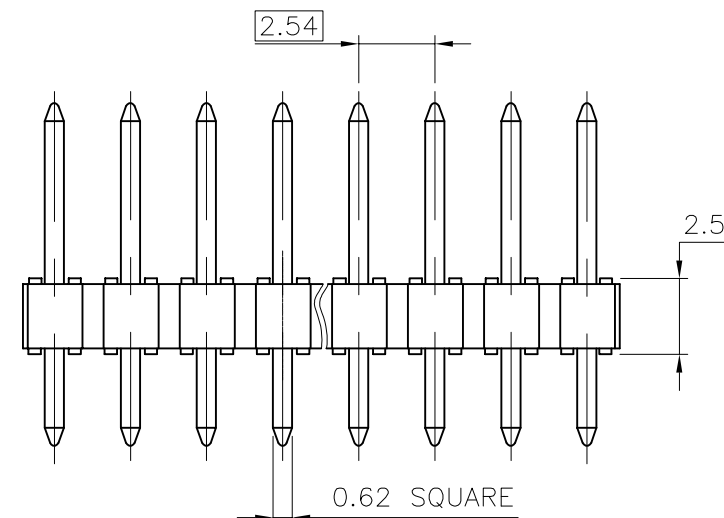
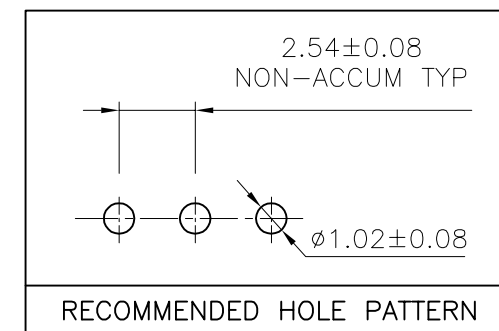
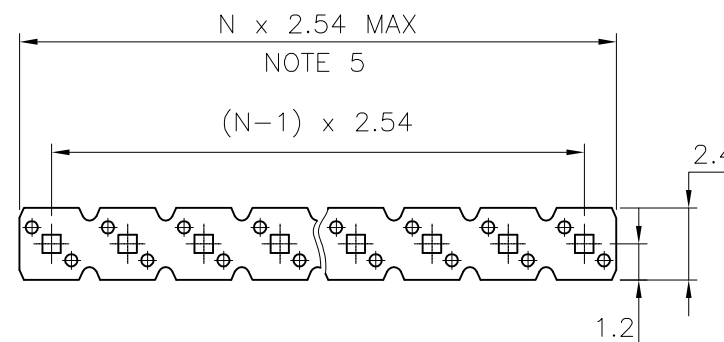
d - LEGAL STATEMENT: SEE GS-22-008

7. OPTION LETTER :

R = RETENTION FEATURES, SEE SHEET 2

K = TAPE & REEL PACKAGING, WITHOUT PICK UP CAP

ONLY FOR P/N 77311-462K04(LF) AND 77311-462K05(LF)



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 UNSHR.HEADER STR SR TMT				
AY	F06-0145	LMU	06.03.08	angles	linear	.X ±0.3							
BA	F06-0196	LMU	06.06.20			.XX ±0.15							
BB	F07-0110	LMU	07.01.17			.XXX ±0.05		scale 5:1	dwg no sheet 1 of 2 77311 type CUSTOMER Drawing				
BC	F07-0114	LMU	07.01.24	dr	D.LE		01.01.24						
BD	F07-0125	LMU	07.02.05	engr	JM.C		01.01.24						
BE	F07-0155	J.CO	07.03.15	chr	JM.C		01.01.24						
BF	F07-0255	LMU	07.09.11	appd	JF.N		01.01.24						
sheet	revision		BF	AX									
index	sheet		1	2									

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 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 ON CONTACT AREA
3.81µm TIN-LEAD ON TAIL

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

8 = 0.38µm GOLD 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

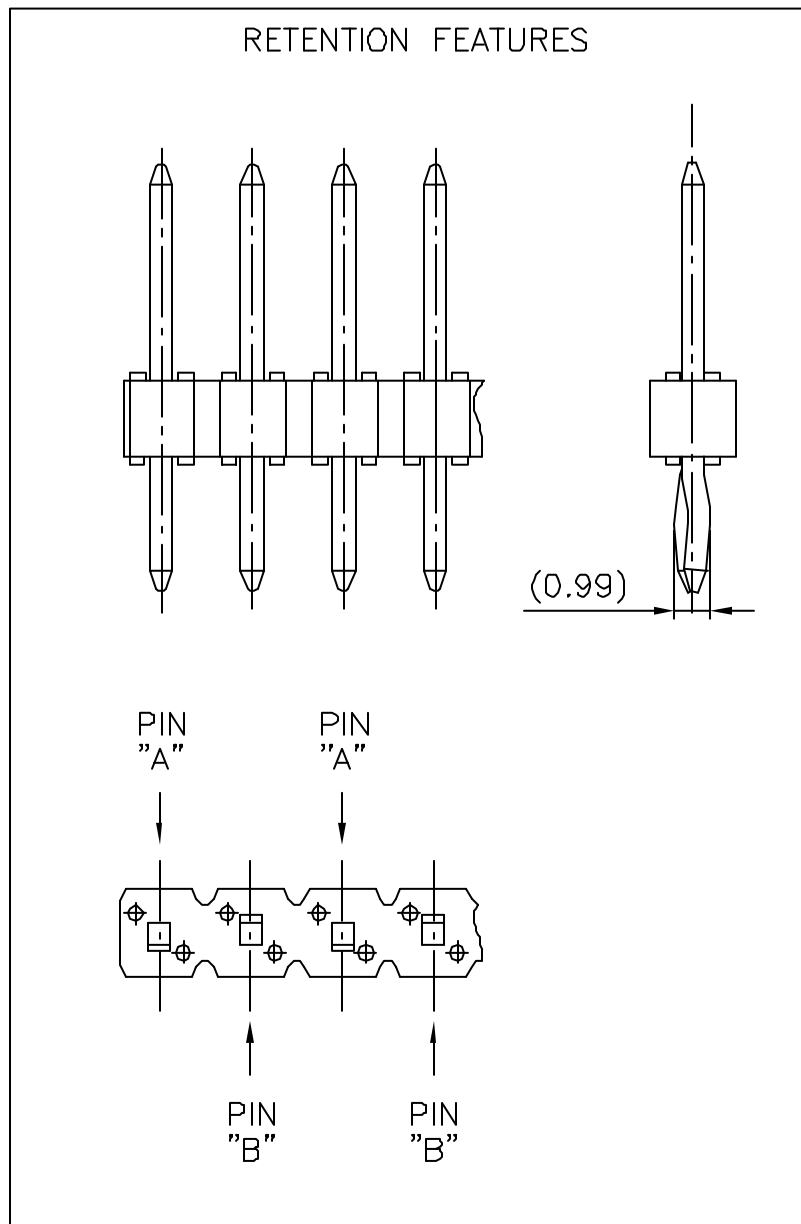
APPLICATION SPECIFIC				
PLATING	PIN STYLE	MATING	SOLDER	OAL
1/4/8	03	5.72	5.09	13.35
1/4/8	05	5.72	10.14	18.4
1/4/8	15	8.51	2.55	13.6
1/4/8	19	12.83	3.03	18.4
1/4/8	20	15.37	3.04	20.95
1/4/8	26	15.57	2.84	20.95
1/4/8	29	17.5	3.46	23.5
1/4/8	32	10.3	3.05	15.9
1/4/8	38	5.84	3.82	12.2
1/4/8	46	8.08	2.98	13.6
1/4/8	58	14.47	3.05	20.06
1/4/8	62	13.5	3.05	19.09
1/4/8	70	6.54	3.50	12.57
1/4/8	83	20.46	3.00	26.00
1/4/8	85	5.72	8.51	16.76
1/4/8	87	6.98	3.05	12.57
1/4/8	91	5.6	10.21	18.35
1/4/8	92	5.65	12.76	20.95
1/4/8	93	6.00	4.81	13.35

PLATING
1 = 0.76µm GOLD ON CONTACT AREA
3.81µm TIN-LEAD ON TAIL

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8 = 0.38µm GOLD 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 FOR RETENTION FEATURES :

- 1 – PART NUMBER 77311-XXXXXX(LF)
- 2 – PINS "A" AND "B" USED FOR RETENTION.
- 3 – DIRECTION OF RETENTION SHOWN BY ARROWS.
- 5 – ON 4 TO 36 POSITIONS HEADER; RETENTION IS IN MID POSITION OF HEADER (4 CENTRAL PINS)
- 6 – FOR RETENTION OPTION , SOLDER TAIL LENGTH TO BE 2.9 MIN UP TO 3.5 MAX.

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
AV	F07-0125	LMU	07.02.05	angles	linear	mm	UNSHR.HEADER STR SR TMT
AW	F07-0155	LMU	07.03.15				
AX	F07-0255	LMU	07.09.11			scale N/A	
				dr	D.LE	01.01.24	dwg no
AS	F06-0196	LMU	06.06.20	engr	JM.C	01.01.24	sheet 2 of -
AT	F07-0110	LMU	07.01.17	chr	JM.C	01.01.24	size
AU	F07-0114	LMU	07.01.24	appd	JF.N	01.01.24	A3
sheet	revision						type
index	sheet						CUSTOMER Drawing