

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

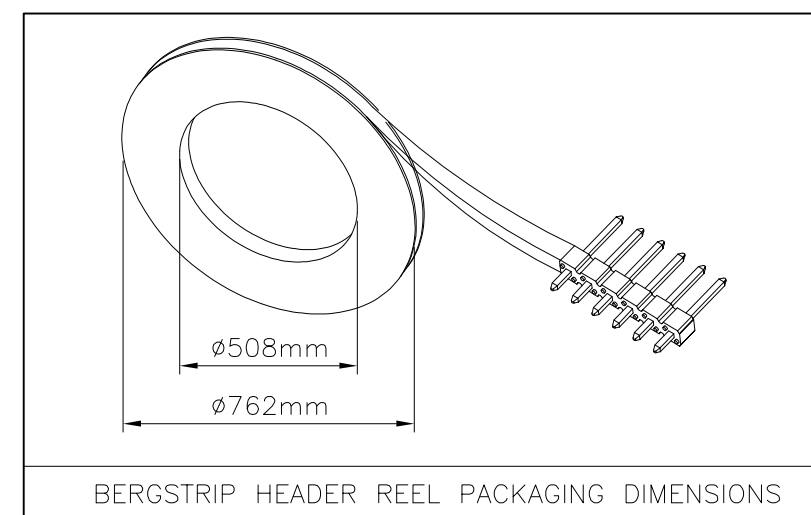
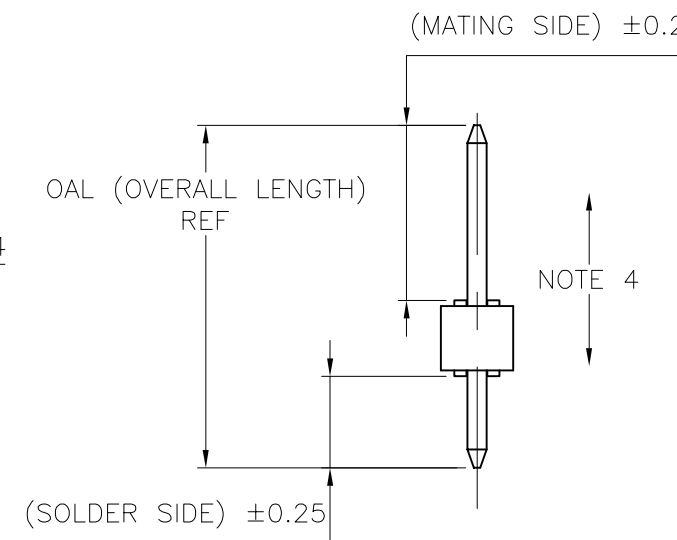
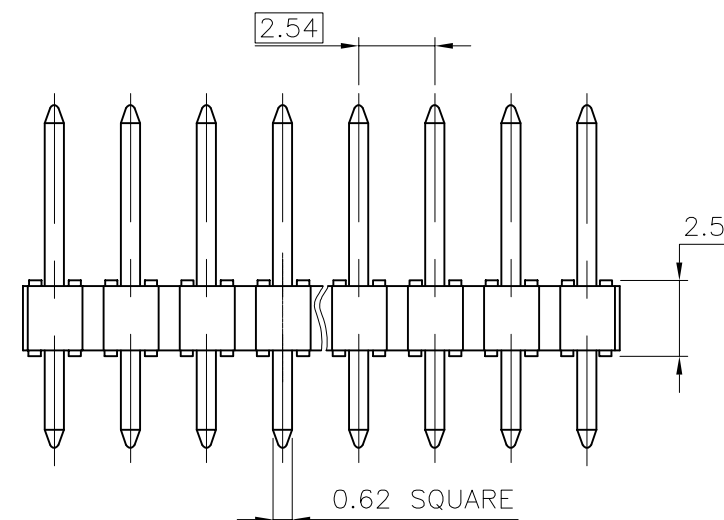
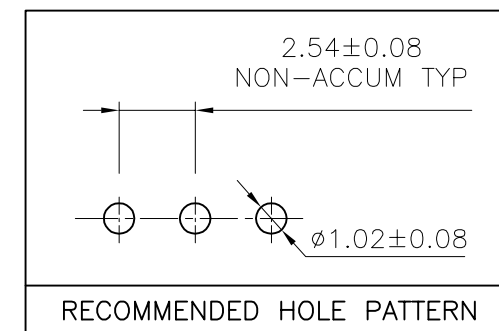
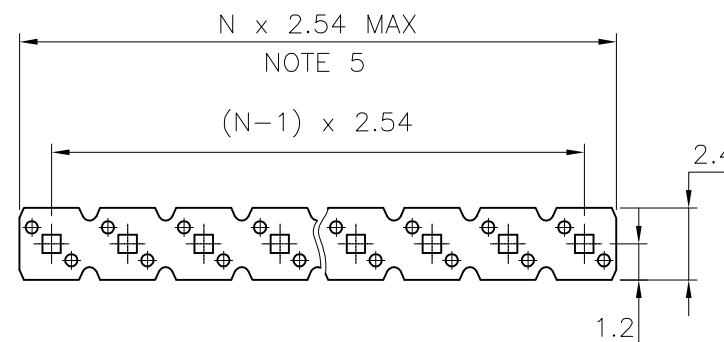
d - LEGAL STATEMENT: SEE GS-22-008

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		mm scale 5:1	title UNSHR.HEADER STR SR TMT			
AY	F06-0145	LMU	06.03.08	angles	.X ±0.3		dwg no 77311 sheet 1 of 2 size A3			
BA	F06-0196	LMU	06.06.20		.XX ±0.15					
BB	F07-0110	LMU	07.01.17		.XXX ±0.05					
BC	F07-0114	LMU	07.01.24	dr	D.LE	01.01.24	type CUSTOMER Drawing			
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 index	revision sheet	BF	AX	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

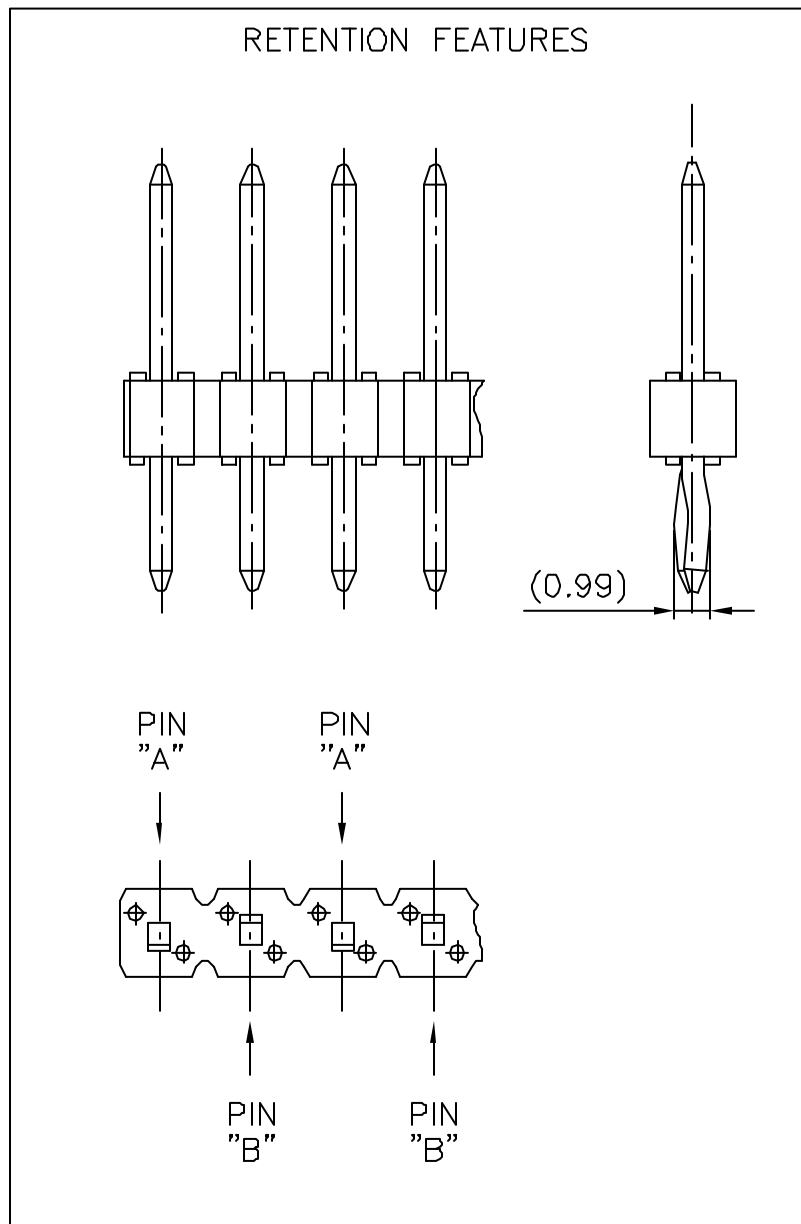
APPLICATION SPECIFIC				
PLATING	PIN STYLE	MATING	SOLDER	OAL
1/4/8	03	5.72	5.09	13.35
1/4/8	05	5.72	10.14	18.4
1/4/8	15	8.51	2.55	13.6
1/4/8	19	12.83	3.03	18.4
1/4/8	20	15.37	3.04	20.95
1/4/8	26	15.57	2.84	20.95
1/4/8	29	17.5	3.46	23.5
1/4/8	32	10.3	3.05	15.9
1/4/8	38	5.84	3.82	12.2
1/4/8	46	8.08	2.98	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	enr	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 index	revision sheet						type CUSTOMER Drawing