

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

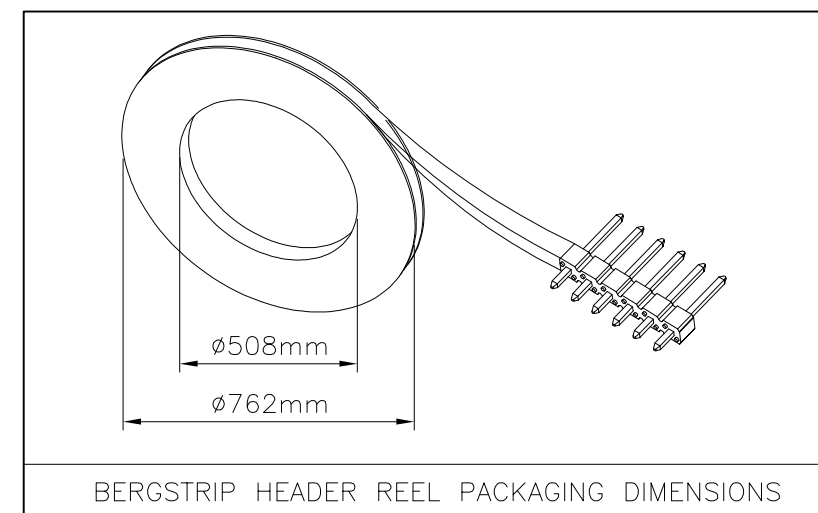
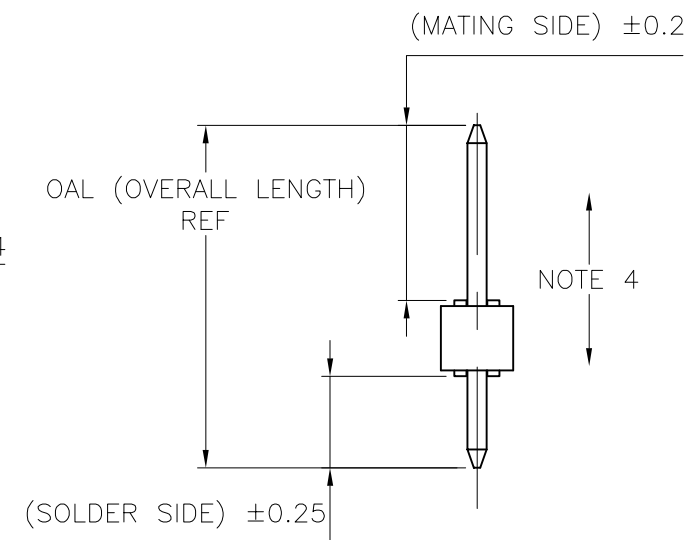
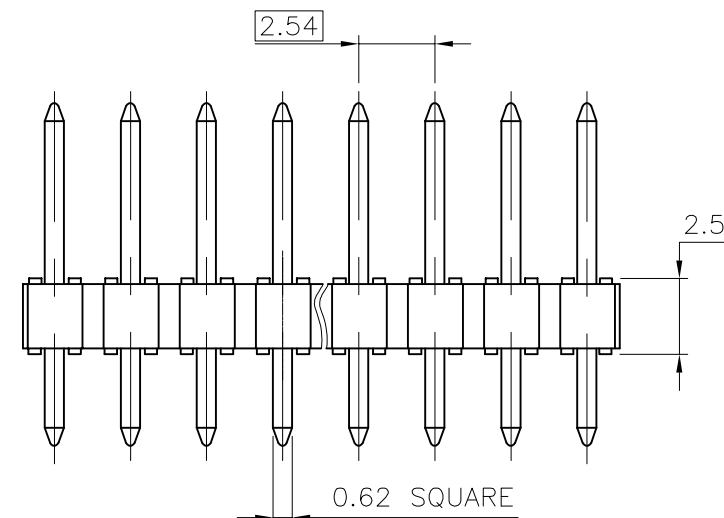
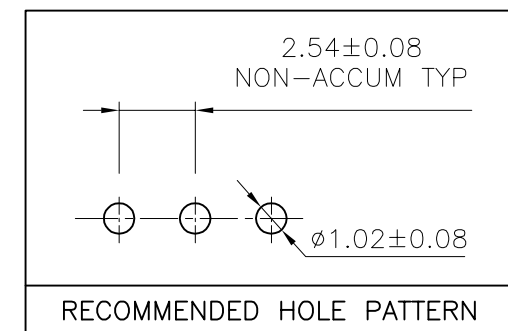
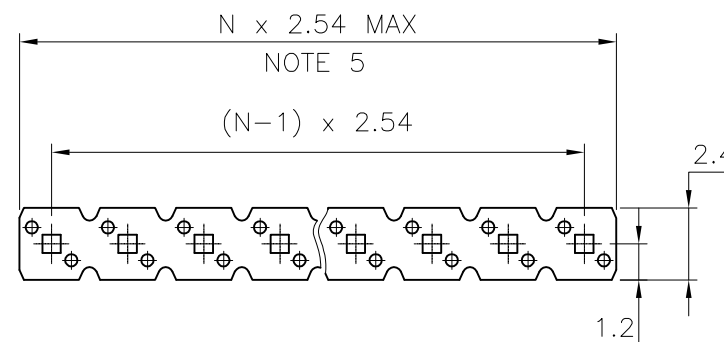
d - LEGAL STATEMENT: SEE GS-22-008

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				surface		tolerance		projection		product family			
SEE NOTES				ISO 1302		ISO 406		ISO 1101		BERGSTIK			
ltr	ecn no	dr	date	tolerances unless otherwise specified		.X ±0.3		mm		title			
AY	F06-0145	LMU	06.03.08	angles		.XX ±0.15		scale 5:1		UNSHR.HEADER			
BA	F06-0196	LMU	06.06.20	linear		.XXX ±0.05				STR SR TMT			
BB	F07-0110	LMU	07.01.17										
BC	F07-0114	LMU	07.01.24	dr	D.LE	01.01.24				dwg no			
BD	F07-0125	LMU	07.02.05	engr	JM.C	01.01.24				sheet 1 of 2			
BE	F07-0155	J.CO	07.03.15	chr	JM.C	01.01.24				77311			
BF	F07-0255	LMU	07.09.11	appd	JF.N	01.01.24				A3			
sheet	revision	BF	AX							type			
index	sheet	1	2							CUSTOMER Drawing			

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

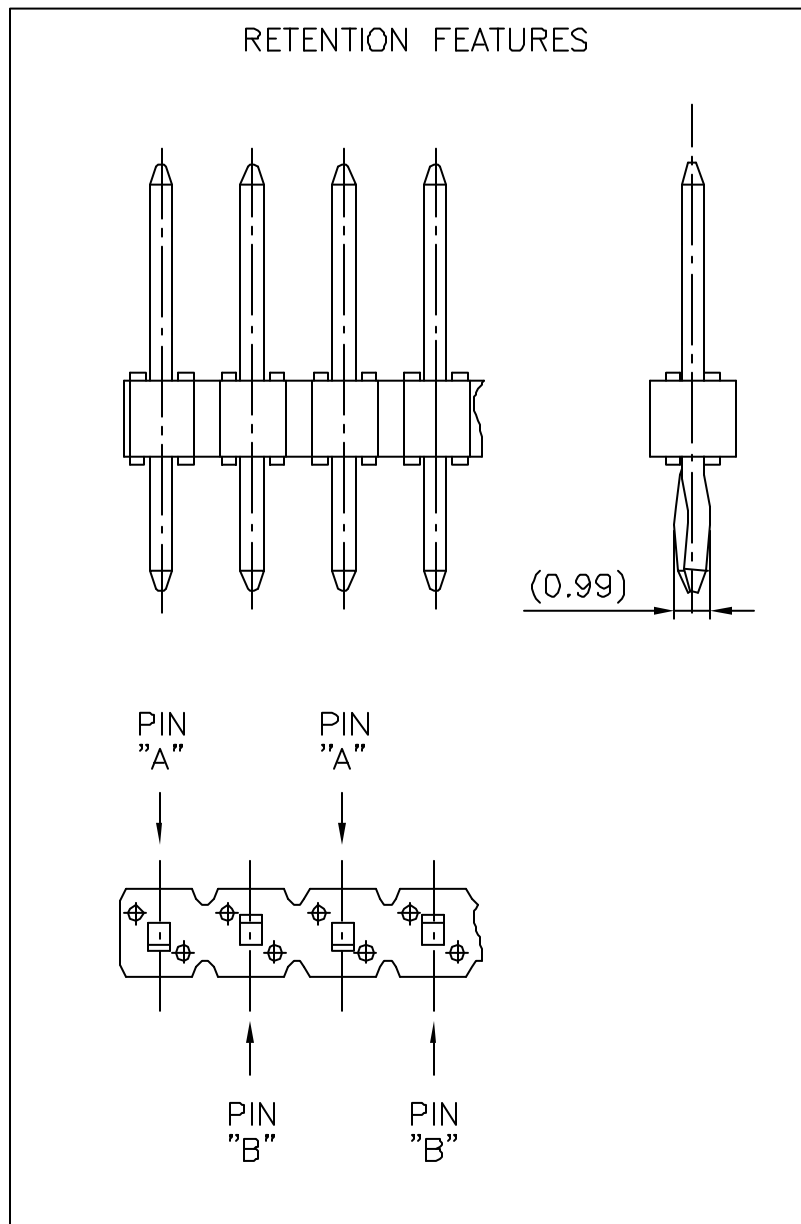
PLATING
1 = 0.76µm GOLD ON CONTACT AREA
3.81µm TIN/LEAD ON TAIL
– WHEN "LF" IS REQUIRED, 2µm MATTE TIN OVER 1.27µm MIN NICKEL IS PROVIDED INSTEAD OF TIN-LEAD

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
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



- 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 ISO 1302	tolerance ISO 406 ISO 1101	projection	product family
Ltr	ecn no	dr	date	tolerances unless	otherwise specified	mm	BERGSTIK
AV	F07-0125	LMU	07.02.05	angles	linear		
AW	F07-0155	LMU	07.03.15				
AX	F07-0255	LMU	07.09.11			scale N/A	
AS	F06-0196	LMU	06.06.20	dr	D.LE	01.01.24	
AT	F07-0110	LMU	07.01.17	engr	JM.C	01.01.24	
AU	F07-0114	LMU	07.01.24	chr	JM.C	01.01.24	
				appd	JF.N	01.01.24	
sheet index	revision sheet						

FCI

UNSHR.HEADER
STR SR TMT

77311

CUSTOMER Drawing