

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-OOLF

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

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:

1. HOUSING MAT'L : HIGH TEMPERATURE  
THERMOPLASTIC. UL94V-0 COLOR: BLACK

2. PIN MATERIAL : PHOSPHOR BRONZE

3. BERGSTIK PRODUCT PACKAGED IN POLY BAGS.  
BERGSTRIK 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

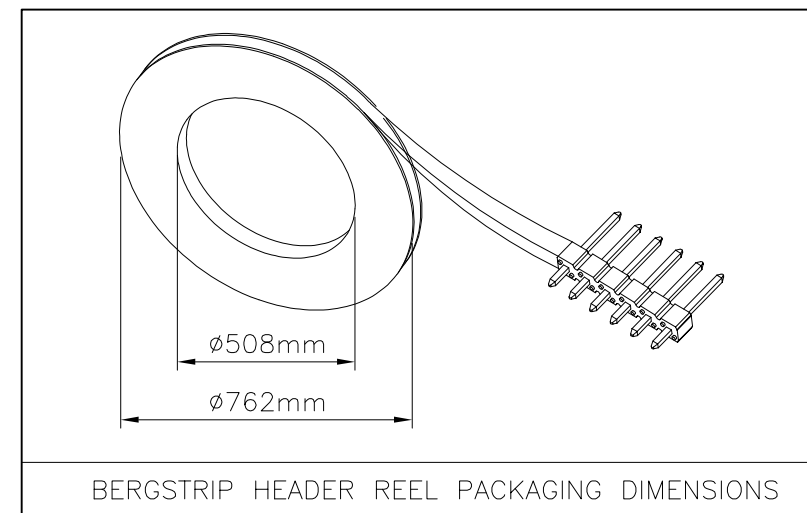
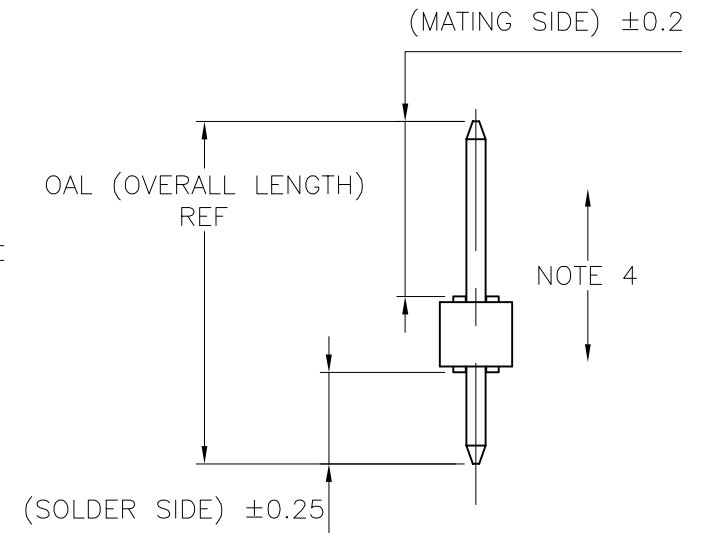
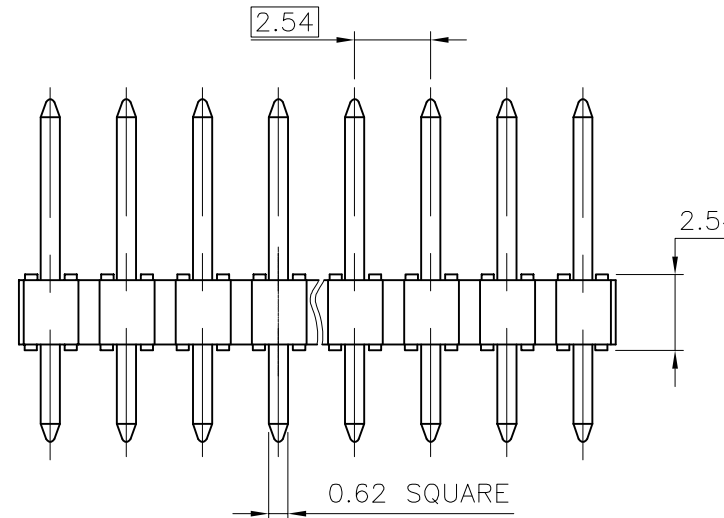
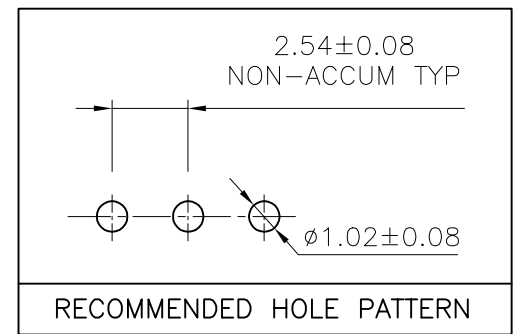
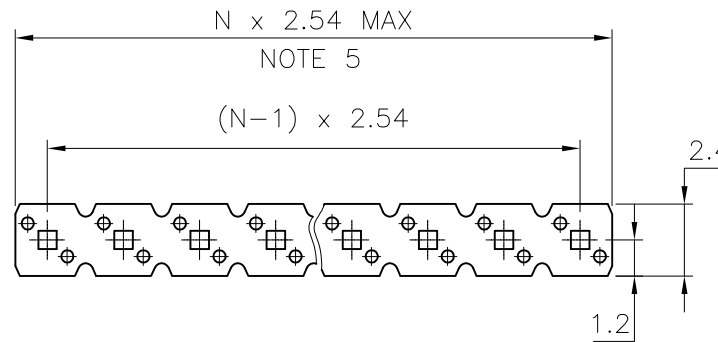
d - LEGAL STATEMENT: SEE GS-22-008

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	title UNSHR.HEADER STR SR TMT	
BG	F08-0148	RTR	08.03.31	angles	.x ±0.3			
				linear	.xx ±0.15	scale 5:1	dwg no 77311	
					.xxx ±0.05			
BB	F07-0110	LMU	07.01.17			FCJ	sheet 1 of 2 size A3	
BC	F07-0114	LMU	07.01.24	dr	D.LE			01.01.24
BD	F07-0125	LMU	07.02.05	enr	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	type CUSTOMER Drawing	
sheet	revision	BG	AY					
index	sheet	1	2					



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

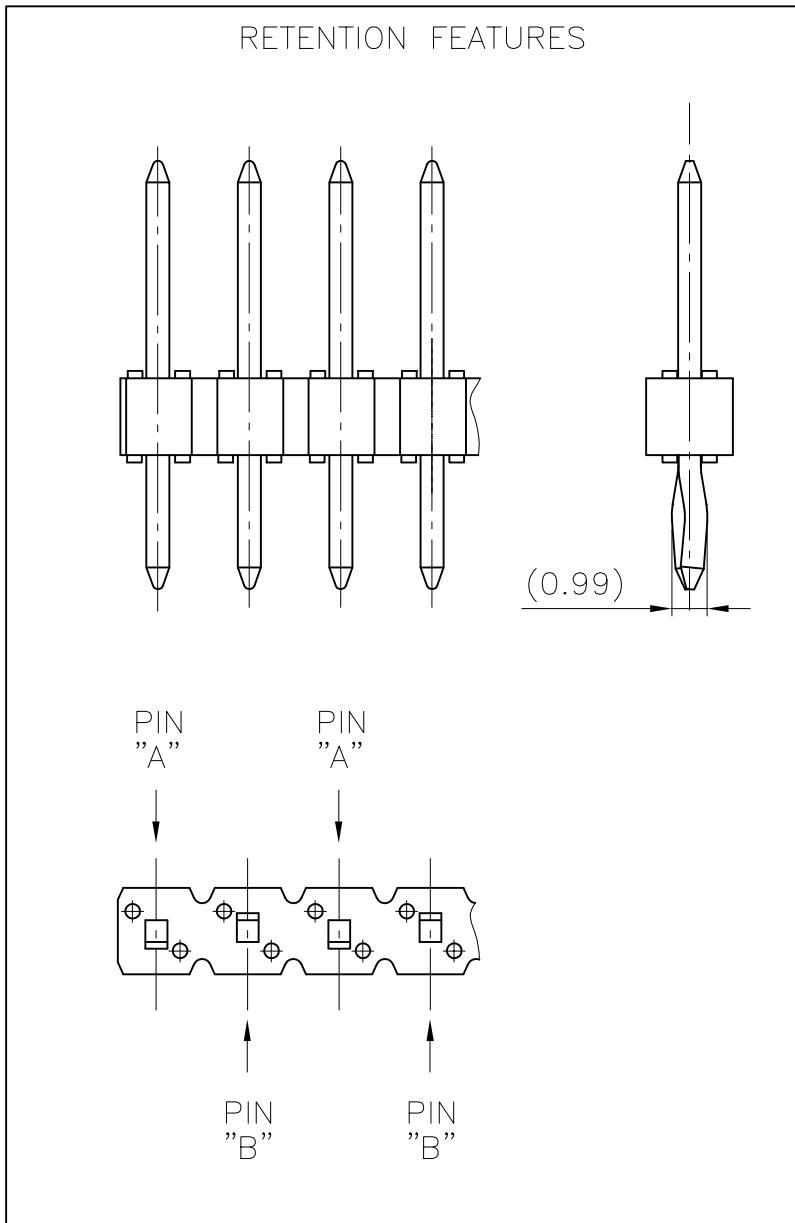
PLATING  
 1 = 0.76µm GOLD/GXT ON CONTACT AREA  
 3.81µm TIN/LEAD ON TAIL  
 - WHEN "LF" IS REQUIRED, 2µm MATTE TIN OVER 1.27µm MIN NICKEL IS PROVIDED INSTEAD OF TIN-LEAD

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	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/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 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		
AW	F07-0155	LMU	07.03.15			mm	UNSHR.HEADER STR SR TMT
AX	F07-0255	LMU	07.09.11			scale N/A	
AY	F08-0148	RTR	08.03.31	dr	D.LE	01.01.24	dwg no
				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	