

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/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)

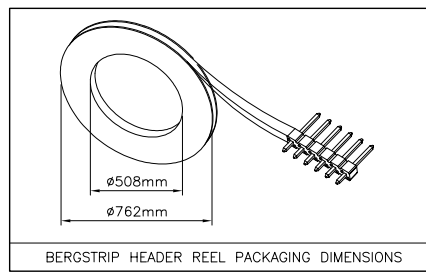
PIN STYLE	MATING	SOLDER	OAL
01	5.84	2.41	10.8
02	5.84	3.42	11.8
18	5.84	3.05	11.43
22	7.75	3.05	13.35
24	6.75	2.9	12.2
27	6.6	2.66	11.8

NOTES:

- 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

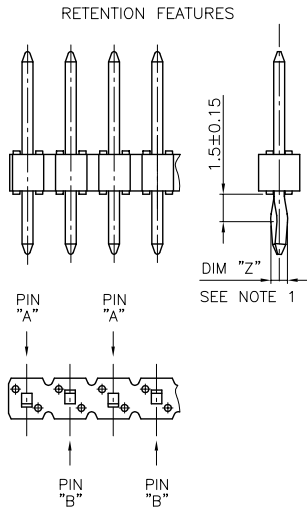
7. OPTION LETTER :

- T = TUBE PACKAGING WITHOUT PICK UP CAP
- K = TAPE & REEL PACKAGING, WITHOUT PICK UP CAP ONLY FOR P/N 77311-462K04(LF) AND 77311-462K05(LF)
- C = HIGHT RETENTION FEATURES, SEE SHEET 2
- R = RETENTION FEATURES, SEE SHEET 2
IF RETENTION FEATURE "R" AND TUBE PACKAGING "T" ARE BOTH REQUIRED
OPTIONAL LETTER "R" WILL APPEAR INSTEAD OF THE FIRST DASH
EXAMPLE : 77311R424T03LF



BERGSTRIK HEADER REEL PACKAGING DIMENSIONS

mat'l. code		surface		tolerance		projection		product family	
SEE NOTES		ISO 1302		ISO 406 ISO 1101				BERGSTIK	
ltr	ecr no	dr	date	tolerances unless otherwise specified	linear	mm	scale	title	
BG	F08-0148	RTR	08.03.31	xx ±0.3		mm	5:1	UNSHR.HEADER STR SR TMT	
BH	F08-0250	LMU	08.12.16	.xx ±0.15				dwg no	
BJ	F09-0078	LMU	09.08.24	.xxx ±0.05				77311	
BK	F09-0095	JCO	09.11.02		D.LE			sheet 1 of 2 size	
					enrg	JM.C		A3	
BE	F07-0155	JCO	07.03.15		chr	JM.C		type	
BF	F07-0255	LMU	07.09.11		apdd	JF.N		CUSTOMER Drawing	
sheet	revision	BK	BC						
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/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

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
1/4/8	94	15.60	3.20	21.25
1/4/8	95	10.00	8.45	20.95

RETENTION FEATURES :

- 1 - PART NUMBER 77311-XXXXXXLF: DIM "Z"=(0.99)
PART NUMBER 77311-XXXXXXLF: DIM "Z"=(0.99MIN-1.11MAX)
- 2 - PINS "A" AND "B" USED FOR RETENTION.
- 3 - DIRECTION OF RETENTION SHOWN BY ARROWS.
- 4 - ON 4 TO 36 POSITIONS HEADER; RETENTION IS IN MID POSITION OF HEADER (4 CENTRAL PINS)
- 5 - FOR RETENTION OPTION , SOLDER TAIL LENGTH TO BE 2.9 MIN UP TO 3.5 MAX.

PLATING SPECIFICATIONS :

- 6 - 8.0MM GOLD / GXT PLATING AREA FROM PIN TIP ON MATING SIDE

PLATING

- 1 = 0.76µm GOLD/GXT ON CONTACT AREA 3.81µm TIN-LEAD ON TAIL
- 4 = 3.81µm TIN-LEAD ON CONTACT AREA 3.81µm TIN-LEAD 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 PROVIDED INSTEAD OF TIN-LEAD

NOTE 6

mat'l. code	surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family BERGSTIK
Ltr	ecn no	dr	date	tolerances unless otherwise specified
AV	F07-0125	LMU	07.02.05	angles
AW	F07-0155	LMU	07.03.15	linear
AX	F07-0255	LMU	07.09.11	scale N/A
AY	F08-0148	RTR	08.03.31	dr
BA	F08-0250	LMU	08.12.16	engr
BB	F09-0078	LMU	09.08.24	chr
BC	F09-0095	LMU	09.09.17	appd
sheet index	revision sheet	D.LE	01.01.24	J.M.C
		J.M.C	01.01.24	J.F.N
		J.F.N	01.01.24	

UNSHR.HEADER
STR SR TMT

FCJ

dwg no 77311 sheet 2 of - size A3
type CUSTOMER Drawing

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