

PRODUCT NUMBER
77311-YXX-XXLF

PLATING SEE SHEET 2

PIN STYLE SEE SHEET 2

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 POLYBAGS.
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

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-47-0004

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)

KV = TAPE & REEL PACKAGING WITHOUT PICK UP CAP FOR CUSTOMER DEDICATED PART
ONLY FOR P/N 77311-462KV04LF

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



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					
BX	B-18917	LMU	14.09.26	angles	linear	.X ±0.3			UNSHR.HEADER STR SR TMT						
BY	B-19692	JCOI	14.12.09			.XX ±0.15									
CA	B-19720	BVE	14.12.11			.XXX ±0.05									
CB	B-19782	AMA	14.12.18	dr	D.LE		01.01.24		dwg no			sheet 1 of 2		size	
CC	B-20169	BVE	15.02.12	engr	JM.C		01.01.24		77311			A3			
CD	B-20497	BVE	15.03.18	chr	JM.C		01.01.24		type CUSTOMER Drawing						
CE	B-20596	AMA	15.03.30	appd	JF.N		01.01.24								
sheet index	revision	CE	BU												
	sheet	1	2												

PLATING

- 1 = 0.76µm GOLD/GXT ON CONTACT AREA, 2µm TIN MIN ON TAIL
- 4 = 2µm TIN MIN FULL PLATED
- 5 = 0.25µm GOLD/GXT ON CONTACT AREA, 2µm TIN MIN ON TAIL
- 8 = 0.38µm GOLD/GXT ON CONTACT AREA, 2µm TIN MIN ON TAIL
- G = 0.76µm FULL GXT
- S = 0.38µm FULL GXT
- T = 2µm TIN MIN FULL PLATED INCLUDED PIN TYP
 - 1.27µm NICKEL MIN UNDERLAYER FOR ALL PLATING VERSIONS

RETENTION FEATURES



RETENTION FEATURES :

- PART NUMBER 77311-XXXXXXLF: DIM "Z"=(0.99)
PART NUMBER 77311-XXXXXXLF: DIM "Z"= 1.05MIN -1.15MAX
- PINS "A" AND "B" USED FOR RETENTION.
- DIRECTION OF RETENTION SHOWN BY ARROWS.
- ON 4 TO 36 POSITIONS HEADER; RETENTION IS IN MID POSITION OF HEADER (4 CENTRAL PINS)
- FOR RETENTION OPTION , SOLDER TAIL LENGTH TO BE 2.9 MIN UP TO 3.5 MAX.
- HOUSING MATERIAL FOR P/N 77311-4AJC03LF & 77311-TAJC03LF
HIGH TEMPERATURE THERMOPLASTIC UL94V-0 COLOR : NATURAL

PLATING SPECIFICATIONS :

- ONLY FOR PLATING 1XX, 8.0MM GOLD / GXT PLATING AREA FROM PIN TYPE ON MATING SIDE

PRODUCTS SPECIFICATIONS

PIN	STYLE	MATING	SOLDER	OAL
01		5.84	2.41	10.8
02		5.84	3.42	11.8
03		5.72	5.09	13.35
05		5.72	10.14	18.4
08		5.72	17.78	26.04
15		8.51	2.55	13.6
18		5.84	3.05	11.43
19		12.83	3.03	18.4
20		15.37	3.04	20.95
22		7.75	3.05	13.35
24		6.75	2.9	12.2
25		8.51	3.18	14.22
27		6.6	2.65	11.8
26		15.57	2.84	20.95
29		17.5	3.46	23.5
32		10.3	3.05	15.9
38		5.84	3.82	12.2
39		11.2	3.05	16.8
46		8.08	2.98	13.6
58		14.47	3.05	20.06
62		13.5	3.05	19.09
70		6.54	3.50	12.57
83		20.46	3.00	26.00
85		5.72	8.51	16.76
87		6.98	3.05	12.57
91		5.6	10.21	18.35

PRODUCTS SPECIFICATIONS

PIN	STYLE	MATING	SOLDER	OAL
92		5.65	12.76	20.95
93		6.00	4.81	13.35
94		15.60	3.20	21.25
95		10.00	8.45	20.95
96		10.95	3.05	16.55
97		9.00	3.55	15.09
98		3.00	1.35	6.84
99		24.00	3.05	29.50
AA		5.72	15.24	23.50
AB		N/A		
AC		7.21	3.05	12.80
AD		17.53	3.43	23.50
AE		4.99	2.80	10.33
AF		5.72	3.05	11.30
AG		5.84	4.95	13.33
AH		14.31	3.20	20.05
AJ		8.90	3.40	14.85
AK		25.06	3.00	30.80
AL		3.30	3.30	9.14
AM		9.26	3.05	14.85
AN		7.60	4.40	14.47
AP		7.80	3.30	13.60
AR		18.86	2.41	23.81
AS		11.91	1.45	15.90
AT		4.60	4.60	11.61
AU		12.10	3.10	17.70
AV		6.30	6.30	15.10
AW		9.16	1.80	13.50

NOTE 7

NOTE 6

mat'l. code				surface ISO 1302 ✓ ISO 406 ISO 1101		tolerance ISO 406 ISO 1101		projection mm		product family BERGSTIK	
ltr ecn no dr date				tolerances unless otherwise specified		angles		linear		title UNSHR.HEADER	
BU B-20596 AMA 15.03.30										STR SR TMT	
BN B-18876 LMU 14.09.23										scale N/A	
BP B-18917 LMU 14.09.26				dr		D.LE		01.01.24		dwg no	
BR B-19692 JCO 14.12.09				engr		JM.C		01.01.24		sheet 2 of - size	
BS B-20169 BVE 15.02.12				chr		JM.C		01.01.24		77311 A3	
BT B-20497 BVE 15.03.18				appd		JF.N		01.01.24		type CUSTOMER Drawing	
sheet index		revision sheet									