

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.
- REFLOW COMPATIBLE

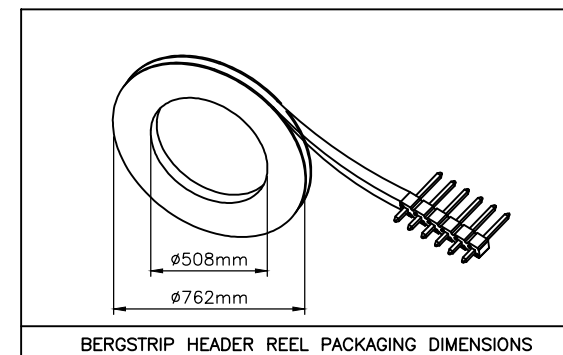
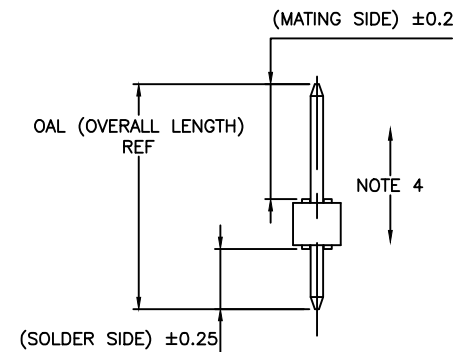
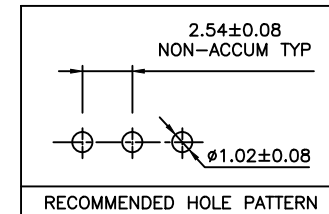
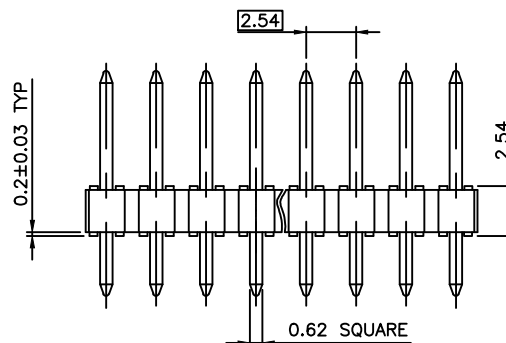
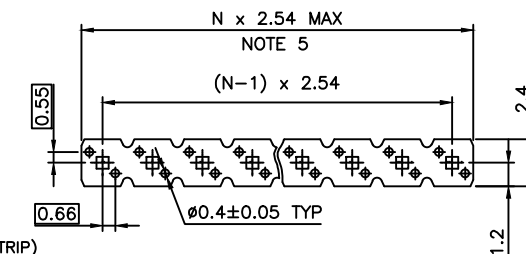
c - LABELING:

- 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			
CF	F-22085	LMU	15.10.05	angles	linear	.x ±0.3			UNSHR.HEADER STR SR TMT				
CG	F-22100	AMA	15.10.08			.xx ±0.15							
CH	F-22133	AMA	15.10.12			.xxx ±0.05							
CJ	F-23581	AMA	16.03.22	dr		D.LE	01.01.24		dwg no		sheet 1 of 3	size	
				enrg		JM.C	01.01.24		77311			A.	
CD	B-20497	BVE	15.03.18	chr		JM.C	01.01.24						
CE	B-20596	AMA	15.03.30	appd		JF.N	01.01.24		type		CUSTOMER	Drawing	
sheet	revision	CJ	BW	B									
index	sheet	1	2	3									

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

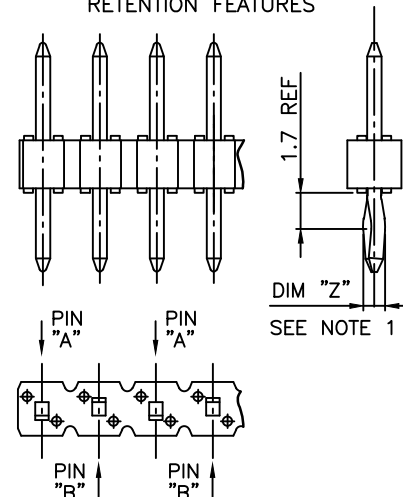
RETENTION FEATURES :

- 1 - PART NUMBER 77311-XXXXXXLF: DIM "Z"=(0.99)
PART NUMBER 77311-XXXXCXXLF: DIM "Z"= 1.05MIN -1.15MAX
- 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.
- 6 - HOUSING MATERIAL FOR P/N 77311-4AJC03LF & 77311-TAJC03LF
HIGH TEMPERATURE THERMOPLASTIC UL94V-0 COLOR : NATURAL

PLATING SPECIFICATIONS :

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

RETENTION FEATURES



mat'l. code				surface	tolerance	projection	product family			
ltr	ecn no	dr	date	ISO 1302	ISO 406 ISO 1101		BERGSTIK			
BU	B-20596	AMA	15.03.30	tolerances unless otherwise specified			title			
BV	F-22085	LMU	15.10.05	angles	linear	mm	UNSHR.HEADER			
BW	F-22100	AMA	15.10.08			scale N/A	STR SR TMT			
			dr	D.LE	01.01.24		dwg no			
BR	B-19692	JCO	14.12.09	enr	JM.C	01.01.24	sheet 2 of 3			
BS	B-20169	BVE	15.02.12	chr	JM.C	01.01.24	77311			
BT	B-20497	BVE	15.03.18	appd	JF.N	01.01.24	A3			
sheet	revision						type			
index	sheet						CUSTOMER Drawing			



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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
92		5.65	12.76	20.95
93		6.00	4.81	13.35
94		15.60	3.20	21.25

NOTE 7

PRODUCTS SPECIFICATIONS

PIN	STYLE	MATING	SOLDER	OAL
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
AX		5.08	2.43	10.05
AY		7.49	3.47	13.50
BA		8.08	2.75	13.37
BB		10.80	2.15	15.50
BC		8.08	3.81	14.43
BD		10.10	2.16	14.80
BE		13.65	2.41	18.60
BF		2.54	5.32	10.40
BG		4.98	1.85	9.23
BH		4.69	2.41	9.50
BJ		7.21	6.15	15.90

NOTE 6

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		
A		F-22100	AMA	15.10.08	angles		mm		UNSHR.HEADER
B		F-22133	AMA	15.10.12	linear		scale N/A		STR SR TMT
					dr		A.MA		15.10.08
					enr		L.MU		15.10.08
					chr		J.CO		15.10.08
					appd		A.SO		15.10.08
sheet		revision						dwg no	
index		sheet						sheet 3 of 3	
								size	
								A3	
								type	
								CUSTOMER Drawing	

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