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 (BERGSTRIP 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 (BERGSTRIP)

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 POLYBAGS.
   BERGSTRIP 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.

   – REFLOW COMPATIBLE

   c – LABELING:

   – MEETS PACKAGING SPECS AS PER GS-14-920

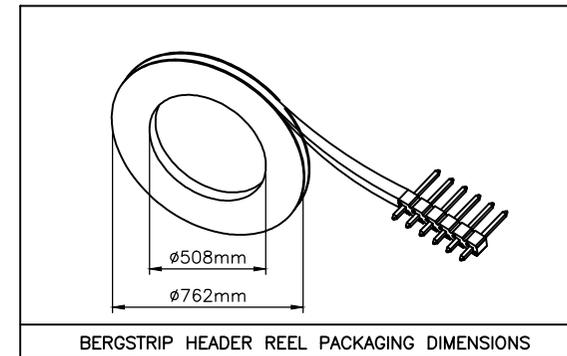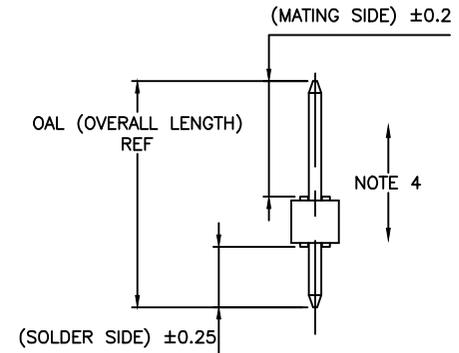   d – LEGAL STATEMENT: SEE GS-47-0004

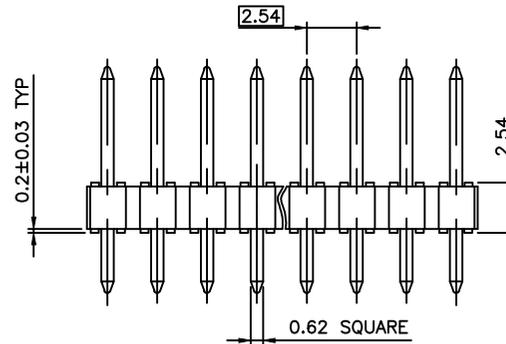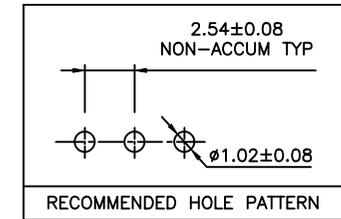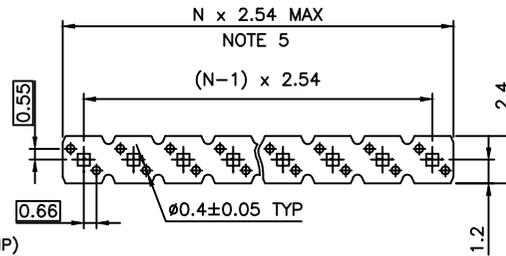7. OPTION LETTER :

   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 RENTENTION FEATURE "R" AND TUBE PACKAGING "T" ARE BOTH REQUIRED
       OPTIONAL LETTER "R" WILL APPEAR INSTEAD OF THE FIRST DASH
       EXAMPLE : 77311R424T03LF

N x 2.54 MAX
NOTE 5

(N-1) x 2.54

0.55

2.4

0.66

ø0.4±0.05 TYP

1.2

2.54

0.2±0.03 TYP

2.54

0.62 SQUARE

2.54±0.08
NON-ACCUM TYP

ø1.02±0.08

RECOMMENDED HOLE PATTERN

(MATING SIDE) ±0.2

OAL (OVERALL LENGTH)
REF

NOTE 4

(SOLDER SIDE) ±0.25

ø508mm

ø762mm

BERGSTRIP HEADER REEL PACKAGING DIMENSIONS

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		
CF	F-22085	LMU	15.10.05	angles	linear	.X ±0.3	UNSHR.HEADER		
CG	F-22100	AMA	15.10.08			.XX ±0.15	STR SR TMT		
CH	F-22133	AMA	15.10.12			.XXX ±0.05	scale 5:1		
CJ	F-23581	AMA	16.03.22	dr	D.LE	01.01.24	dwg no	sheet 1 of 3	size
				engr	JM.C	01.01.24			
CD	B-20497	BVE	15.03.18	chr	JM.C	01.01.24	77311		A3
CE	B-20596	AMA	15.03.30	appd	JF.N	01.01.24	type	CUSTOMER	Drawing
sheet index	revision CJ	BW	B						
	sheet 1	2	3						

form: A3

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
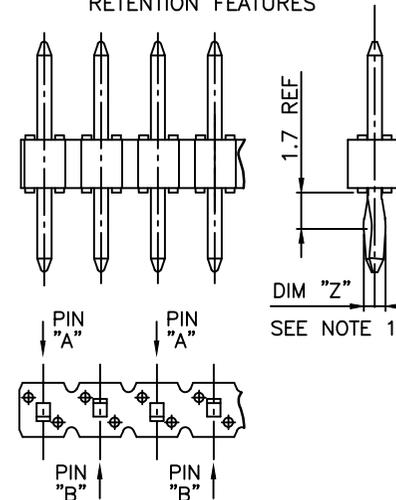
— 1.27µm NICKEL MIN UNDERLAYER FOR ALL PLATING VERSIONS

RETENTION FEATURES :

1 — PART NUMBER 77311—XXXRXXLF: DIM "Z"=(0.99)
    PART NUMBER 77311—XXXCXXLF: 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

1.7 REF

DIM "Z"
SEE NOTE 1

PIN "A"   PIN "A"

PIN "B"   PIN "B"

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		
BU	B—20596	AMA	15.03.30	angles	linear			mm	UNSHR.HEADER		
BV	F—22085	LMU	15.10.05						STR SR TMT		
BW	F—22100	AMA	15.10.08					scale N/A			
				dr	D.LE	01.01.24			dwg no	sheet 2 of 3	size
BR	B—19692	JCO	14.12.09	engr	JM.C	01.01.24					
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	revision										
index	sheet										

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form: A3

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	NOTE 6
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

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	linear		mm	UNSHR.HEADER
B	F−22133	AMA	15.10.12				scale N/A	STR SR TMT
				dr	A.MA	15.10.08		dwg no — sheet 3 of 3 — size
				engr	L.MU	15.10.08	FCI	
				chr	J.CO	15.10.08		77311 — A3
sheet index	revision sheet			appd	A.SO	15.10.08		type CUSTOMER Drawing

form: A3