PRODUCT NUMBER

77311–YXX–XXLF

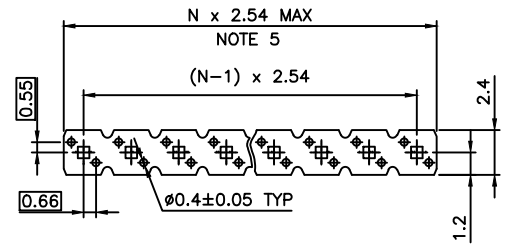
- PLATING SEE SHEET 2
- PIN STYLE SEE SHEET 2
- RoHS COMPATIBLE SEE NOTE 6
- TOTAL NB OF POSITIONS 01 TO 36
- OPTION LETTER SEE NOTE 7

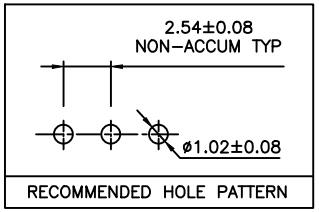
PRODUCT NUMBER (BERGSTRIP PACKAGING)

77311–YXX–00LF

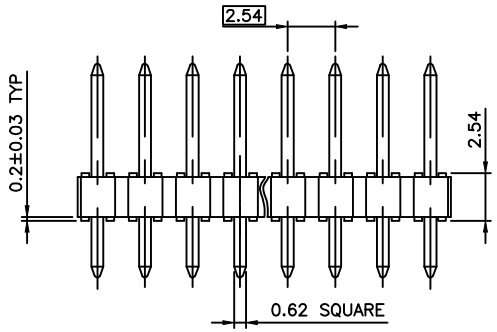
- PLATING
  - 1= 0.76µm GOLD/GXT ON CONTACT AREA, 2µm TIN MIN ON TAILS
  - 8= 0.38µm GOLD/GXT ON CONTACT AREA, 2µm TIN MIN ON TAILS
  - 4= 2.0µm TIN MIN FULL PLATED
  - 1.27µm NICKEL MIN UNDERLAYER FOR ALL PLATING VERSIONS
- INDICATES THE PRODUCT IS RoHS COMPATIBLE, SEE NOTE 6
- POSITIONS PER REEL : 00=36,000 (BERGSTRIP)

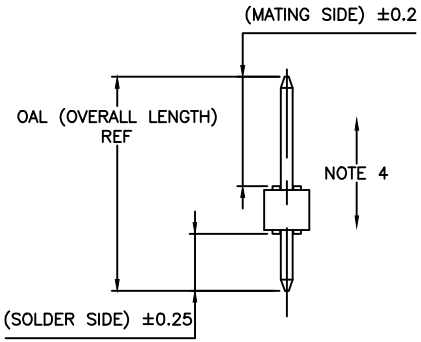
PIN STYLE	MATING	SOLDER	OAL
01	5.84	2.41	10.8
02	5.84	3.42	11.8
18	5.84	3.05	11.43
22	7.75	3.05	13.35
24	6.75	2.9	12.2
27	6.6	2.66	11.8

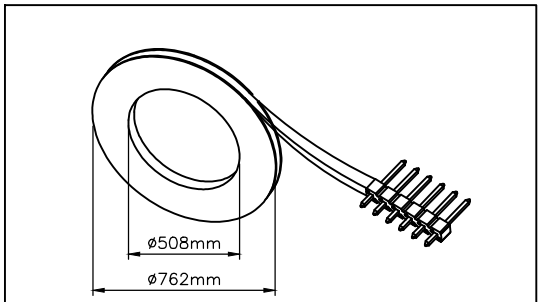




RECOMMENDED HOLE PATTERN







BERGSTRIP HEADER REEL PACKAGING DIMENSIONS

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)
   - KC = TAPE & REEL PACKAGING WITHOUT PICK UP CAP AND WITH HIGH RETENTION FEATURES
   - KV = TAPE & REEL PACKAGING WITHOUT PICK UP CAP FOR CUSTOMER DEDICATED PART ONLY FOR P/N 77311–462KV04LF
   - C = HIGH 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

ltr	ecn no	dr	date
CF	F–22085	LMU	15.10.05
CG	F–22100	AMA	15.10.08
CH	F–22133	AMA	15.10.12
CJ	F–23581	AMA	16.03.22
CK	F–24496	AMA	16.07.13
CL	F–24977	DDE	16.09.20

dr	D.LE	01.01.24
engr	JM.C	01.01.24
chr	JM.C	01.01.24
appd	JF.N	01.01.24

sheet	revision	CL	BW
index	sheet	1	2
		C	3

mat'l. code: SEE NOTES
surface: ISO 1302
tolerance: ISO 406 ISO 1101
tolerances unless otherwise specified: angles; linear .x ±0.3, .xx ±0.15, .xxx ±0.05
projection
mm
scale 5:1
product family: BERGSTIK
title: UNSHR.HEADER STR SR TMT
dwg no 77311
sheet 1 of 3
size A3
type CUSTOMER Drawing

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)

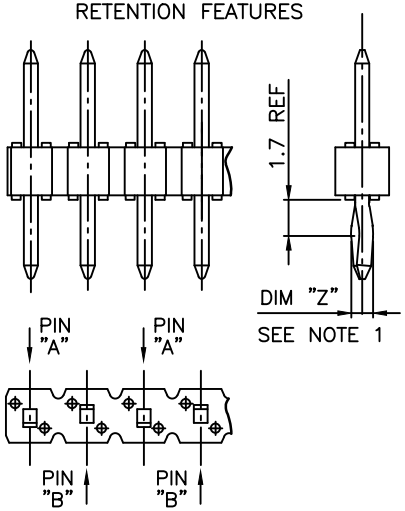
5 – FOR RETENTION OPTION , SOLDER TAIL LENGTH TO BE 2.9 MIN UP TO 3.5 MAX.

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



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

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	
BK	6.86	2.65	12.05	

ltr	ecn no	dr	date
A	F-22100	AMA	15.10.08
B	F-22133	AMA	15.10.12
C	F-24496	AMA	16.07.13

dr	A.MA	15.10.08
engr	L.MU	15.10.08
chr	J.CO	15.10.08
appd	A.SO	15.10.08

mat'l. code

surface ISO 1302 ✓ tolerance ISO 406 ISO 1101

tolerances unless otherwise specified: angles, linear

projection

mm

scale N/A

sheet index | revision sheet

product family: BERGSTIK

title: UNSHR.HEADER STR SR TMT

dwg no 77311 | sheet 3 of 3 | size A3

type CUSTOMER Drawing

form: A3