

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 _____
 INDICATES THE PRODUCT IS RoHS COMPATIBLE, SEE NOTE 6
 POSITIONS PER REEL : 00=36,000 (BERGSTRIK)

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

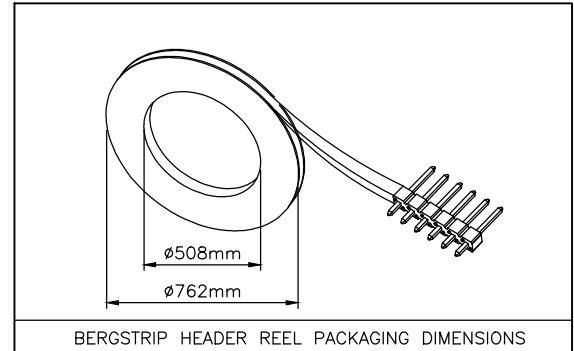
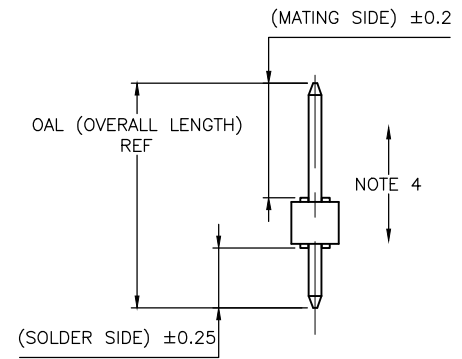
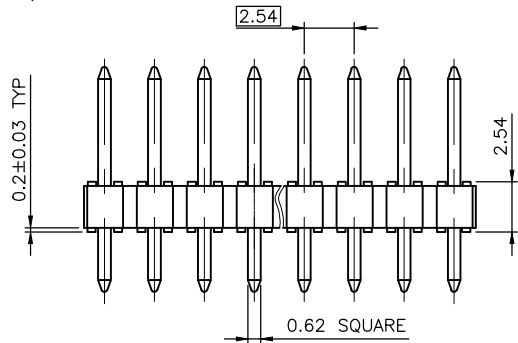
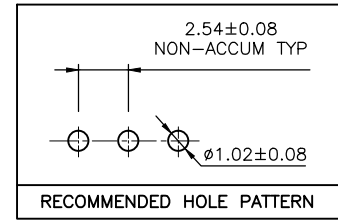
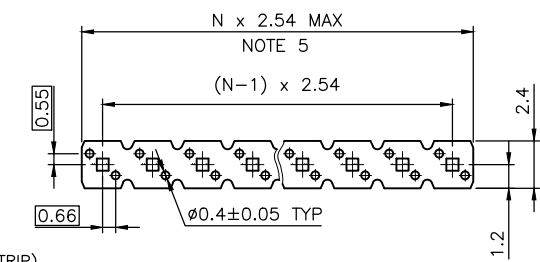
PIN STYLE	MATING	SOLDER	OAL
01	5.84	2.41	10.8
02	5.84	3.42	11.8
18	5.84	3.05	11.43
22	7.75	3.05	13.35
24	6.75	2.9	12.2
27	6.6	2.66	11.8

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
- RoHS COMPATIBLE PRODUCT SPECIFICATIONS
 - PLATING:
 - "LF" MEANS THE PRODUCT IS LEAD-FREE, 2µm MINIMUM MATTE TIN OVER 1.27µm MINIMUM NICKEL UNDERPLATE.
 - 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.
 - LABELING:
 - MEETS PACKAGING SPECS AS PER GS-14-920
 - 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		surface		tolerance		projection		product family	
SEE NOTES		ISO 1302		ISO 406 ISO 1101		mm		BERGSTIK	
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm		title	
BX	B-18917	LMU	14.09.26	.x ±0.3		mm		UNSHR.HEADER	
BY	B-19692	JCOI	14.12.09	.xx ±0.15		mm		STR SR TMT	
CA	B-19720	BVE	14.12.11	.xxx ±0.05		scale 5:1		dwg no	
CB	B-19782	AMA	14.12.18	dr	D.LE	01.01.24	sheet 1 of 2		size
CC	B-20169	BVE	15.02.12	enr	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						



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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

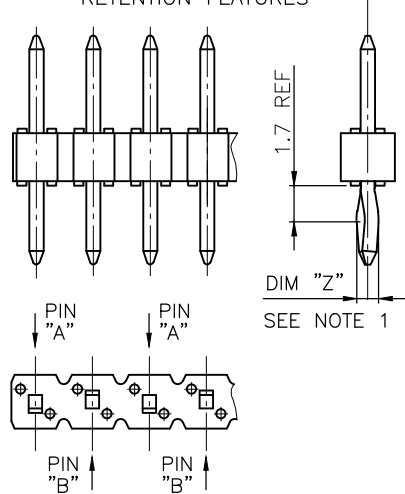
PRODUCTS SPECIFICATIONS			
PIN STYLE	MATING	SOLDER	OAL
01	5.84	2.41	10.8
02	5.84	3.42	11.8
03	5.72	5.09	13.35
05	5.72	10.14	18.4
08	5.72	17.78	26.04
15	8.51	2.55	13.6
18	5.84	3.05	11.43
19	12.83	3.03	18.4
20	15.37	3.04	20.95
22	7.75	3.05	13.35
24	6.75	2.9	12.2
25	8.51	3.18	14.22
27	6.6	2.65	11.8
26	15.57	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

RETENTION FEATURES



SEE NOTE 1

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

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



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