

PRODUCT NUMBER

77311-YXX-XXLF

PLATING SEE SHEET 2

PIN STYLE SEE SHEET 2

WHEN REQUIRED, ADD SUFFIX LETTER "LF"
INDICATES THE PRODUCT IS 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 POLY BAGS. BERGSTRIK PRODUCT PACKAGED PER REELS.
- 9N MIN RETENTION IN EITHER DIRECTION

5. TO DETERMINE DIMENSIONS :

N = NUMBER OF POSITIONS PER ROW
EXAMPLE : 8 POS $N \times 2.54 = 20.32\text{mm}$

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-22-008

7. OPTION LETTER :

T = TUBE PACKAGING WITHOUT PICK UP CAP

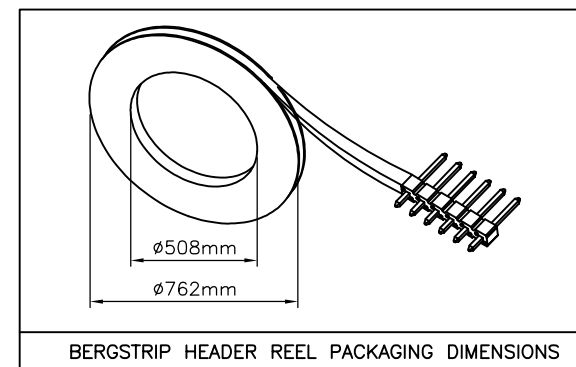
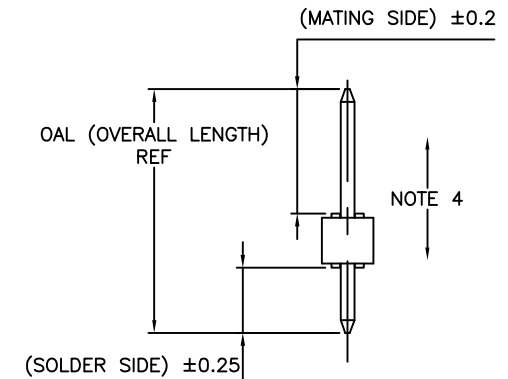
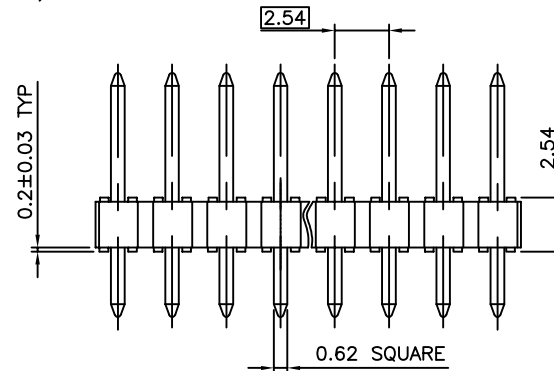
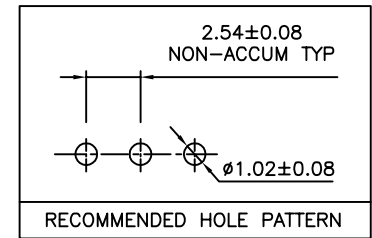
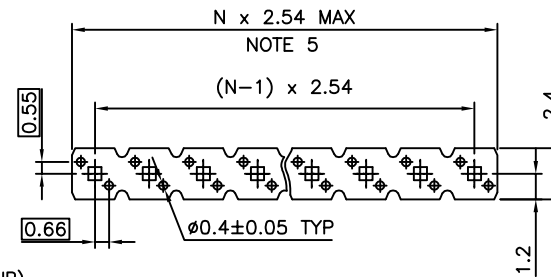
K = TAPE & REEL PACKAGING, WITHOUT PICK UP CAP
ONLY FOR P/N 77311-462K04(LF) AND 77311-462K05(LF)

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



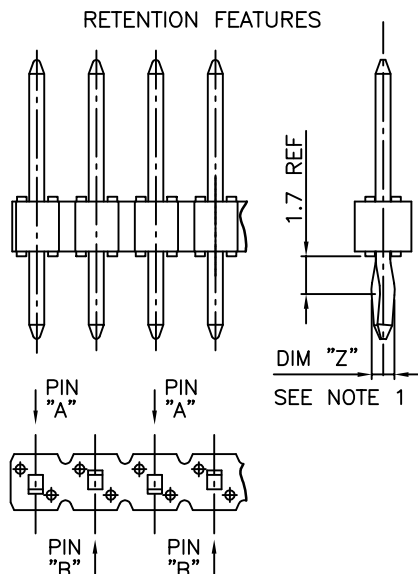
BERGSTRIK HEADER REEL PACKAGING DIMENSIONS

mat'l. code	surface	tolerance	projection	product family
SEE NOTES	ISO 1302	ISO 406 ISO 1101		BERGSTIK
ltr ecn no dr date	tolerances unless otherwise specified		mm	title
BP F11-0320LMU 12.01.25	angles linear	.X ±0.3		UNSHR.HEADER
BR F12-0032LMU 12.05.04		.XX ±0.15	scale 5:1	STR SR TMT
		.XXX ±0.05		
BK F09-0095JCO 09.11.02	dr	D.I.E	01.01.24	dwg no
BL F10-0091LMU 11.05.23	engr	JM.C	01.01.24	sheet 1 of 2
BM F11-0074JCO 11.06.20	chr	JM.C	01.01.24	size
BN F11-0307LMU 11.09.26	appd	JF.N	01.01.24	A3
sheet index	revision sheet	BR BH		type
	1 2			CUSTOMER Drawing

PLATING

1 = 0.76µm GOLD/GXT ON CONTACT AREA 3.81µm TIN-LEAD ON TAIL
 4 = 3.81µm TIN-LEAD ON CONTACT AREA 3.81µm TIN-LEAD ON TAIL
 8 = 0.38µm GOLD/GXT ON CONTACT AREA 3.81µm TIN-LEAD ON TAIL
 G = 0.76µm FULL GXT
 S = 0.38µm FULL GXT

- 1.27µm NICKEL MIN UNDERLAYER FOR ALL PLATING VERSIONS
- WHEN "LF" IS REQUIRED, 2µm MATTE TIN OVER 1.27µm MIN NICKEL PROVIDED INSTEAD OF TIN-LEAD



RETENTION FEATURES :

- PART NUMBER 77311-XXXXXXLF: DIM "Z"=(0.99)
 PART NUMBER 77311-XXXXCXXLF: 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.

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

PRODUCTS SPECIFICATIONS

PIN STYLE	MATING	SOLDER	OAL
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
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

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		
BD	F10-0091	LMU	11.05.23	angles	linear		UNSHR.HEADER		
BE	F11-0074	JCO	11.06.20				STR SR TMT		
BF	F11-0307	LMU	11.09.26				scale N/A		
BG	F11-0320	LMU	12.01.25	dr	D.LE	01.01.24	dwg no		
BH	F12-0032	LMU	12.05.04	enr	JM.C	01.01.24	sheet 2 of -		
				chr	JM.C	01.01.24	size		
BC	F09-0095	LMU	09.09.17	appd	JF.N	01.01.24	77311		
sheet	revision						type		
index	sheet						CUSTOMER Drawing		

PDM: Rev:BR

STATUS: Released

Printed: May 22, 2012