

PRODUCT NUMBER  
77313-YXX-XXLF

WHEN REQUIRED, ADD SUFFIX LETTER "LF"  
INDICATES THE PRODUCT IS RoHS  
COMPATIBLE, SEE NOTE 7

TOTAL NB OF POSITIONS 04 TO 72  
OPTION LETTERS : NOTE 8

PLATING SEE SHEET 2

PIN STYLE SEE SHEET 2

PRODUCT NUMBER (BERGSTRIK PACKAGING)  
77313-YXX-00LF

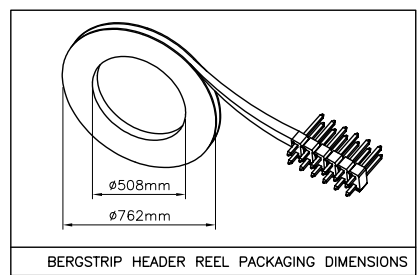
INDICATES THE PRODUCT IS RoHS  
COMPATIBLE, SEE NOTE 6

POSITIONS PER REEL : 00=45,000 (BERGSTRIK)

PLATING

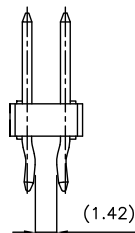
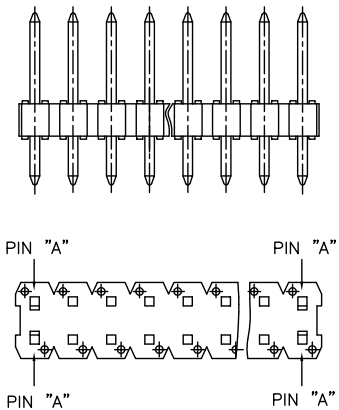
- 1= 0.76µm GOLD/GXT ON CONTACT AREA, 2µm TIN MIN ON TAILS
- 8= 0.38µm GOLD/GXT ON CONTACT AREA, 2µm TIN MIN ON TAILS
- 4= 2.0µm TIN MIN FULL PLATED
- 1.27µm NICKEL MIN UNDERLAYER FOR ALL PLATING VERSIONS

- NOTES:
1. HOUSING MAT'L : HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK
  2. PIN MATERIAL : PHOSPHOR BRONZE
  3. BERGSTRIK PRODUCT PACKAGED IN POLY BAGS. BERGSTRIK 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. FOR PIN IN PASTE SOLDERING APPLICATION :  
FINISHED PLATED HOLE Ø1.02-Ø1.06  
LAND Ø1.45 MAX
  7. 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
  8. OPTIONS :
    - = POLYBAG PACK
    - "A" = TAPE & REEL WITH CAP
    - "T" = STANDARD TUBE PACKAGING
    - "V" = BLIBOX PACK FOR VALEO
    - "AV" = TAPE & REEL WITH CAP FOR VALEO
    - "KV" = TAPE & REEL WITHOUT CAP FOR VALEO
    - "TV" = TUBE WITHOUT CAP FOR VALEO
    - "R" = RETENTION FEATURE PAGE 2
- IF RETENTION FEATURE "R" AND TUBE PACKAGING "T" ARE BOTH REQUIRED  
OPTIONAL LETTER "R" WILL APPEAR INSTEAD OF THE FIRST DASH  
EXAMPLE : 77313R118T40LF



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	UNSHR.HEADER STR DR TMT
BG	F09-0095	JCO	09.11.02	angles	linear	.x ±0.3 .xx ±0.15 xxx ±0.05	scale	5:1
BH	F10-0028	LMU	10.04.06	dr	D.LE	01.01.24	dwg no	77313
BL	F10-0099	LMU	10.09.08	engr	JM.C	01.01.24	sheet 1 of 2	size
BK	F10-0068	JCO	10.07.05	chr	JM.C	01.01.24	FCI	A3
BF	F09-0081	JCO	09.08.28	appd	JCO	01.01.24	type	CUSTOMER Drawing
sheet index	revision	BL	AY					
	sheet	1	2					

RETENTION OPTION



CORE RANGE				
PLATING	PIN STYLE	MATING	SOLDER	OAL
1	01	5.84	2.41	10.8
1	18	5.84	3.05	11.43

PLATING  
 1 = 0.76µm GOLD/GXT ON CONTACT AREA  
 3.81µm TIN-LEAD ON TAIL  
 - WHEN "LF" IS REQUIRED, 2µm MATTE  
 TIN OVER 1.27µm MIN NICKEL IS  
 PROVIDED INSTEAD OF TIN-LEAD

CATALOGUE RANGE				
PLATING	PIN STYLE	MATING	SOLDER	OAL
4/8	01	5.84	2.41	10.8
1/4/8	02	5.84	3.42	11.8
4/8	18	5.84	3.05	11.43
1/4/8	22	7.75	3.05	13.35
1/4/8	24	6.75	2.9	12.2
1/4/8	27	6.6	2.65	11.8

APPLICATION SPECIFIC

PLATING	PIN STYLE	MATING	SOLDER	OAL
1/4/8	03	5.72	5.09	13.35
1/4/8	15	8.51	2.55	13.6
1/4/8	19	12.83	3.03	18.4
1/4/8	20	15.37	3.04	20.95
1/4/8	29	17.46	3.50	23.5
1/4/8	38	5.84	3.82	12.20
1/4/8	46	8.08	2.98	13.6
1/4/8	52	9.5	3.05	15.09
1/4/8	57	8.46	3.05	14.05
1/4/8	58	14.47	3.05	20.06
1/4/8	83	20.46	3.0	26.0
1/4/8	85	10.5	2.9	15.9
1/4/8	87	6.98	3.05	12.57
1/4/8	89	6.93	5.00	14.47
1/4/8	90	6.75	4.05	13.34
1/4/8	91	5.60	10.21	18.4
1/4/8	92	5.65	12.76	20.95
1/4/8	93	6.00	4.81	13.35
1/4/8	94	9.65	2.90	15.09
1/4/8	95	8.90	3.60	15.09
1/4/8	96	20.83	3.05	26.42
1/4/8	97	14.70	3.70	20.95
1/4/8	98	6.00	6.00	14.47

NOTES:

- PART NUMBER 77313-YXXRXX(LF)
- 4 PINS "A" USED FOR RETENTION  
DIRECTION OF RETENTION SHOWN BY ARROWS  
PIN "A" AT EACH END OF HEADER.
- FOR RETENTION OPTION , SOLDER TAIL LENGTH TO BE  
2.9 MIN UP TO 3.5 MAX.

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  
 - WHEN "LF" IS REQUIRED, 2µm MATTE TIN OVER 1.27µm MIN NICKEL  
 PROVIDED INSTEAD OF TIN-LEAD

mat'l. code		surface	tolerance	projection	product family
		ISO 1302	ISO 406 ISO 1101		BERGSTIK
ltr	ecn no	dr	date	title	
AW	F08-0148	RTR	08.03.31	UNSHR.HEADER	
AX	F08-0205	LMU	08.07.24	STR DR TMT	
AY	F09-0095	JCO	09.11.02	scale N/A	
		dr	D.LE	01.01.24	dwg no
AT	F07-0110	LMU	07.01.17	engr	JM.C
AU	F07-0114	LMU	07.01.24	chr	JM.C
AV	F07-0123	LMU	07.02.05	appd	JF.N
sheet	revision	FCJ			
index	sheet	type CUSTOMER Drawing			