

PRODUCT NUMBER  
77313-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 7  
TOTAL NB OF POSITIONS 04 TO 72  
OPTION LETTERS : NOTE 8

PRODUCT NUMBER (BERGSTRIK PACKAGING)  
77313-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

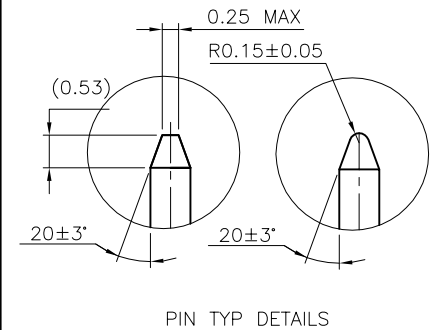
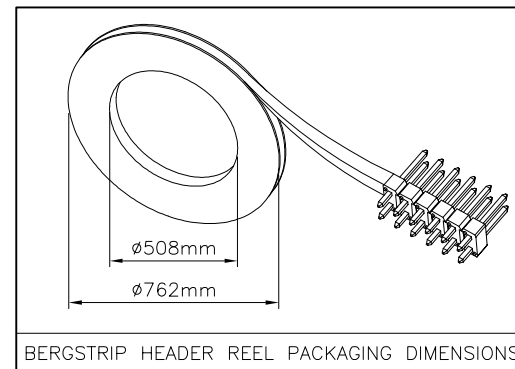
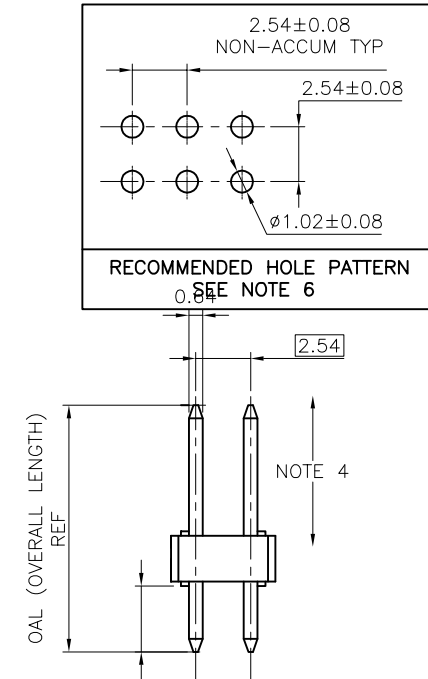
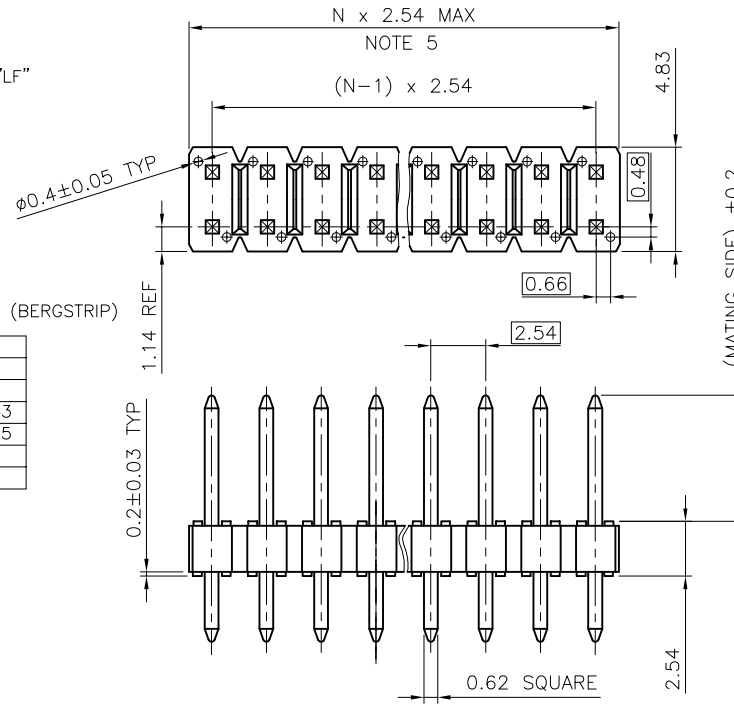
INDICATES THE PRODUCT IS RoHS  
COMPATIBLE, SEE NOTE 6  
POSITIONS PER REEL : 00=45,000 (BERGSTRIK)

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
- TO DETERMINE DIMENSIONS :  
N = NUMBER OF POSITIONS PER ROW  
EXAMPLE : 8 POS N x 2.54 = 20.32mm
- FOR PIN IN PASTE SOLDERING APPLICATION :  
FINISHED PLATED HOLE Ø1.02-Ø1.06  
LAND Ø1.45 MAX
- 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-22-008

- 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

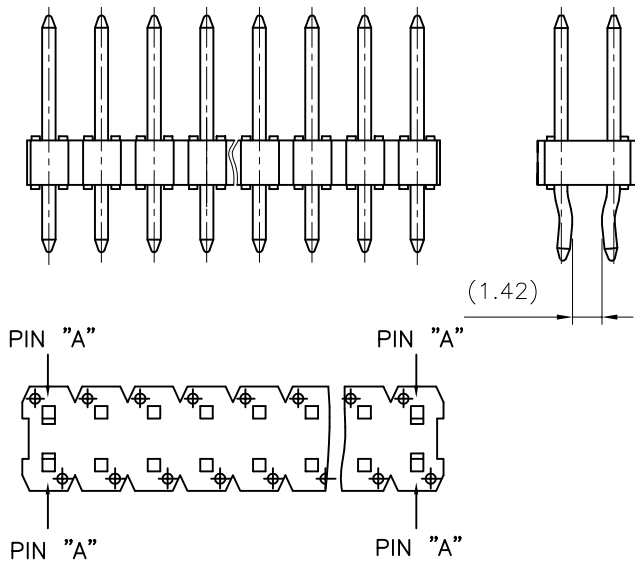


mat'l. code SEE NOTES		surface ISO 1302	tolerance ISO 406 ISO 1101	projection	product family BERGSTIK	
ltr	ecn no	dr	date	tolerances unless otherwise specified	title	
BP	F11-0320	LMU	12.01.25	angles	UNSHR.HEADER STR DR TMT	
BR	B-16639	JCO	14.01.03	linear		
BK	F10-0069	JCO	10.07.05	dr		
BL	F10-0099	LMU	10.09.08	enr	JM.C	01.01.24
BM	F11-0055	LMU	11.06.08	chr	JM.C	01.01.24
BN	F11-0307	LMU	11.09.26	appd	JCO	01.01.24
sheet	revision	BR	BD	scale 5:1		
index	sheet	1	2	FCJ		

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 OPTION



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
04	5.72	7.64	15.90
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
27	6.6	2.65	11.8
29	17.46	3.50	23.5
38	5.84	3.82	12.20
46	8.08	2.98	13.6
52	9.5	3.05	15.09
57	8.46	3.05	14.05
58	14.47	3.05	20.06
83	20.46	3.0	26.0
85	10.5	2.9	15.9
87	6.98	3.05	12.57

PRODUCTS SPECIFICATIONS			
PIN STYLE	MATING	SOLDER	OAL
89	6.93	5.00	14.47
90	6.75	4.05	13.34
91	5.60	10.21	18.4
92	5.65	12.76	20.95
93	6.00	4.81	13.35
94	9.65	2.90	15.09
95	8.90	3.60	15.09
96	20.83	3.05	26.42
97	14.70	3.70	20.95
98	6.00	6.00	14.47
99	8.05	2.25	12.8
AA	11.90	3.30	17.70
AB	7.00	1.50	11.00
AC	N/A		
AD	8.51	10.59	21.64
AE	3.30	3.30	9.14
AF	N/A		
AG	4.79	3.00	10.33
AH	2.67	3.43	8.64
AJ	8.00	8.00	18.54
AK	7.00	7.00	16.54
AL	5.90	1.60	10.05

NOTES:

1. PART NUMBER 77313-YXXRXX(LF)
2. 4 PINS "A" USED FOR RETENTION  
DIRECTION OF RETENTION SHOWN BY ARROWS  
PIN "A" AT EACH END OF HEADER.
3. FOR RETENTION OPTION , SOLDER TAIL LENGTH TO BE  
2.9 MIN UP TO 3.5 MAX.

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	
BA	F11-0055	LMU	11.06.08	dr	
BB	F11-0307	LMU	11.09.26	engr	
BC	F11-0320	LMU	12.01.25	chr	
BD	B-16639	JCO	14.01.03	appd	
sheet index		revision sheet		type CUSTOMER Drawing	



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