

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:

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

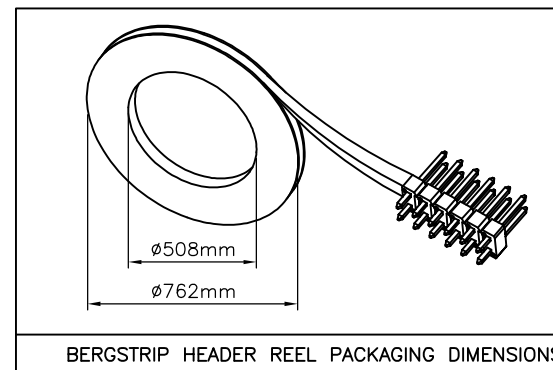
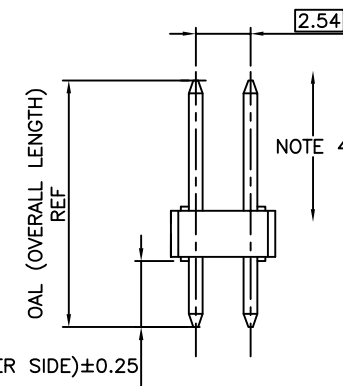
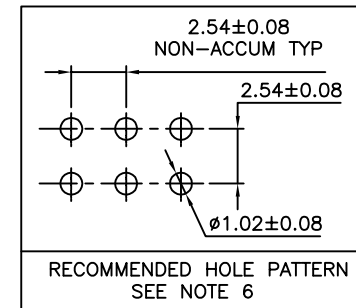
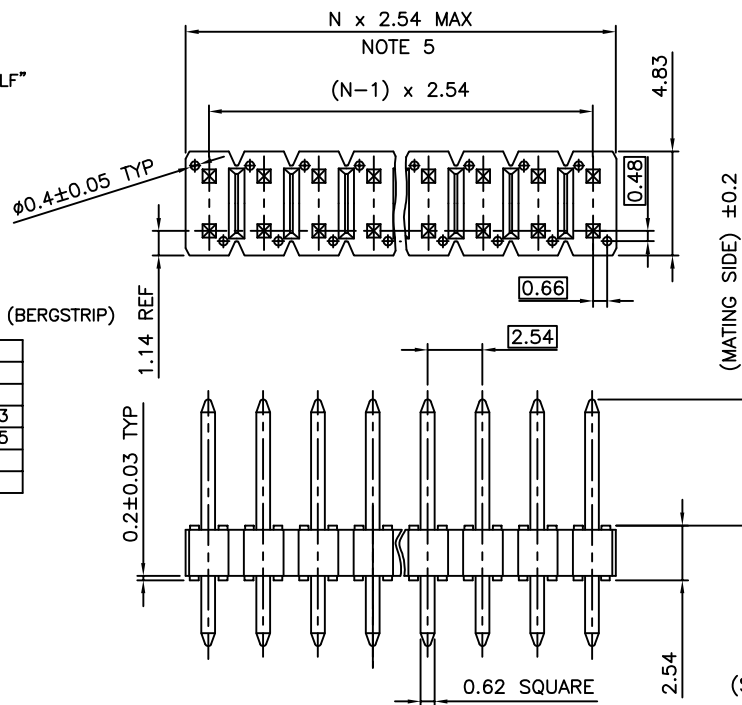
"KV" = TAPE & REEL WITHOUT CAP FOR VALEO

"TV" = TUBE WITHOUT CAP FOR VALEO

"R" = RETENTION FEATURE PAGE 2

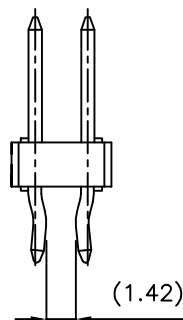
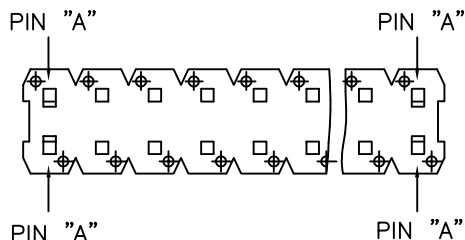
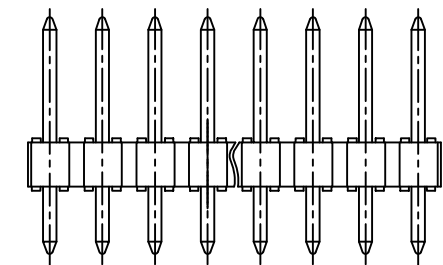
IF RETENTION FEATURE "R" AND TUBE PACKAGING "T" ARE BOTH REQUIRED
OPTIONAL LETTER "R" WILL APPEAR INSTEAD OF THE FIRST DASH

EXAMPLE : 77313R118T40LF



mat'l. code SEE NOTES				surface ISO 1302	tolerance ISO 406 ISO 1101	projection mm	product family BERGSTIK
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm	title
BG	F09-0095	JCO	09.11.02	angles	.X ±0.3		UNSHR.HEADER STR DR TMT
BH	F10-0026	LMU	10.04.06	linear	.XX ±0.15		
BJ	F10-0066	JCO	10.06.22		.XXX ±0.05	scale 5:1	dwg no
BK	F10-0069	JCO	10.07.05	dr	D.LE	01.01.24	sheet 1 of 2
BL	F10-0099	LMU	10.09.08	engr	JM.C	01.01.24	size
BM	F11-0055	LMU	11.06.08	chr	JM.C	01.01.24	77313
BN	F11-0307	LMU	11.09.26	appd	JCO	01.01.24	A3
sheet	revision	BN	BB				type
index	sheet	1	2				CUSTOMER Drawing

RETENTION OPTION



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
1/4/8	99	8.05	2.25	12.8
1/4/8	AA	11.90	3.30	17.70
1/4/8	AB	7.00	1.50	11.00

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
ltr	ecn no	dr	date	ISO 1302	ISO 406 ISO 1101	mm	BERGSTIK
AW	F08-0148	RTR	08.03.31	angles	linear	mm	UNSHR.HEADER
AX	F08-0205	LMU	08.07.24			scale N/A	STR DR TMT
AY	F09-0095	JCO	09.11.02				
BA	F11-0055	LMU	11.06.08	dr	D.I.E	01.01.24	dwg no
BB	F11-0307	LMU	11.09.26	enrg	JM.C	01.01.24	sheet 2 of -
				chr	JM.C	01.01.24	size
AV	F07-0125	LMU	07.02.05	appd	JF.N	01.01.24	77313
sheet	revision						A3
index	sheet						type
							CUSTOMER
							Drawing