

PRODUCT NUMBER  
5 4 1 0 1 - X X X - X X - X X X X LF

PLATING  
S= 15µ [0.38µm] GOLD ON CONTACT AREA (NOTE 16)  
100µ [2.54µm] TIN ON TAIL

G= 30µ [0.76µm] GOLD ON CONTACT AREA (NOTE 16)  
100µ [2.54µm] TIN ON TAIL

T= 100-160µ [2.54-4.04µm] TIN ON CONTACT AREA AND ON TAIL (SEE NOTE 11 & 15)

BERGSTIK POSITIONS PER ROW NOTE 10

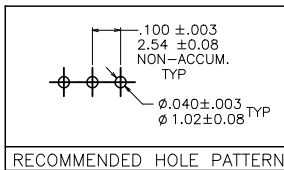
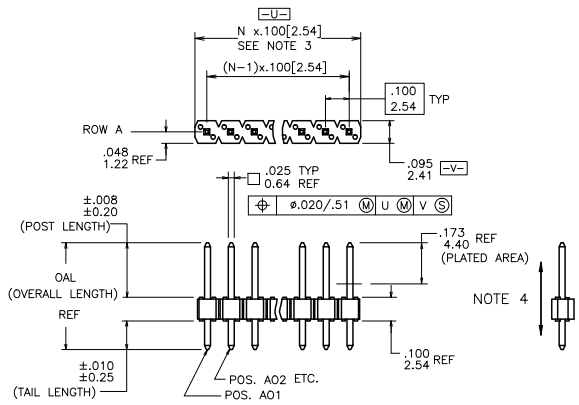
BERGSTRIIP POSITIONS PER REEL  
00=36,000  
PIN STYLES 5, 6, 8, 10, 30, 32 ONLY.

PIN STYLE	POST	TAIL	OAL
05	0.230/5.84	0.095/2.41	0.425/10.80
06	0.230/5.84	0.110/2.79	0.440/11.18
08	0.230/5.84	0.120/3.05	0.450/11.43
10	0.230/5.84	0.150/3.81	0.480/12.19
12	0.230/5.84	0.300/7.62	0.630/16.00
30	0.318/8.08	0.120/3.05	0.538/13.67
32	0.318/8.08	0.150/3.81	0.568/14.43
34	0.318/8.08	0.212/5.38	0.630/16.00

LEAD FREE  
NOTE 12 & 13

RETENTION  
R=RETENTIVE LEG  
NOTE 5 & 7

POLARIZATION  
NOTE 7 & 9



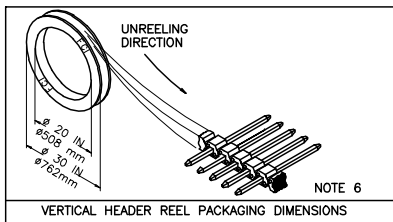
mat'l. code	surface	tolerance	projection	product family
SEE NOTES 1 & 2	ISO 902	ISO 46	ISO 101	BERGSTIK
trf	ecm no	dr	date	tolerances unless otherwise specified
N	M06-0346	MHT	9/04/06	linear
P	M07-0247	AGS	5/28/07	0.01, 0.1, 0.13
R	M07-0337	MHT	7/23/07	0.01, 0.05, 0.10, 0.13
S	M07-0361	MHT	8/14/07	0 ±.2°
T	M08-0237	MHT	8/25/08	dr
U	M08-0279	MHT	9/30/08	D.JINGRAM
V	M09-0090	MHT	6/19/09	05/10/98
sheet	revision	v	v	engr
index	sheet	1	2	H.SUNDY
				chr
				H.SUNDY
				07/15/98
				H.SUNDY
				07/15/98
				scale
				1:1
				dwg no
				sheet 1 of 2 size
				54101
				A3
				type
				Product Customer Drawing

NOTES:

- ① HOUSING MAT'L: HIGH TEMPERATURE THERMOPLASTIC. UL94V-0, COLOR: BLACK  
OR  
MINERAL FILLED LCP FLAME RETARDENT  
PER UL-94V-0. COLOR: BLACK.
- ② PIN MATERIAL: PHOSPHOR-BRONZE
- ③ TO DETERMINE DIMENSIONS:  
N = NUMBER OF POSITIONS PER ROW.  
EXAMPLE: 10 POS., N x .100[2.54]=1.00[25.40].
- ④ 2LBS/0.9KG MIN. PIN RETENTION IN EITHER DIRECTION.
- ⑤ RETENTIVE LEG APPLICABLE TO TAIL LENGTH .120/3.05 ONLY. (4 PINS PER PART HAVE RETENTION)  
5LB/2.3KG MAX INSERTION FORCE AND .25LB/.1KG MIN RETENTION FORCE PER RETENTIVE PIN  
USING .062/1.57 THICK CIRCUIT BOARD AND RECOMMENDED HOLE PATTERN. RETENTIVE LOCATION  
AT THE DISCRETION OF THE MANUFACTURER. IF FEATURE IS NOT APPLICABLE, REMOVE FROM PRODUCT  
NUMBER, 1x2 OR 1x3 PARTS NOT REFERENCED.
- ⑥ BERGSTIK PACKAGED IN POLY BAGS. BERGSTRIIP PACKAGED PER REEL.
- ⑦ POLARIZATION AND RETENTION NOT APPLICABLE TO BERGSTRIIP.
- ⑧ UNDERPLATING: 50µ"/1.27µm Ni.
- ⑨ FOR POLARIZATION SPECIFY POSITION NUMBER (i.e.. A03=ROW A POS. 3)  
TO OMIT PIN.  
IF FEATURE IS NOT APPLICABLE, REMOVE FROM PRODUCT  
NUMBER.
- ⑩ POSITIONS PER ROW 37 TO 50 CAN BE PRODUCED, BUT FLATNESS AND CURVATURE MAY NOT BE HELD  
AS CLOSE AS 36 POSITION.
- ⑪ PIN TIPS ON TIN PLATED PRODUCT MAY HAVE BARE METAL ON TWO SIDES, BOTH ENDS.
- ⑫ PART NUMBERS WITH "LF" AT THE END ARE LEAD FREE.
- ⑬ THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER  
COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
14. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE  
FOR 20 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW  
OVEN. SEE APPLICATION NOTES/PROCEDURES IF THEY ARE AVAILABLE OR  
FOR 15 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.5mm  
MINIMUM THICK CIRCUIT BOARD.
- ⑮ "THIS PRODUCT HAS 100% PURE TIN PLATING IN THE INTERFACE AND  
HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT  
ENVIRONMENTS."
- ⑯ PLATING OPTIONS:  
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

Cross Reference

CORE RANGE	EXTENDED RANGE
77311-101-XXLF	54101-G05XXLF
77311-801-XXLF	54101-S05XXLF
77311-118-XXLF	54101-G08XXLF
77311-818-XXLF	54101-S08XXLF



mat'l. code SEE NOTES 1 & 2		surface ISO 1902	tolerance ISO 406 ISO 1001	projection	product family BERGSTIK
lfr	ecn no	dr	date	tolerances unless otherwise specified	title
v				angles linear XXXL01/XXL03 XXXL05/XXL13 XXXL0200/XXXL061	.100 UNSHROUDED HDR. S/R VERT. THRU HOLE
				0'±2'	INCH/MM
				dr D.INGRAM 05/10/99	scale 1:1
				eng H.SUNDY 07/15/99	dwg no 54101
				chr H.SUNDY 07/15/99	sheet 2 of 2 size A3
				appd H.SUNDY 07/15/99	type Product Customer Drawing
sheet index	revision sheet				