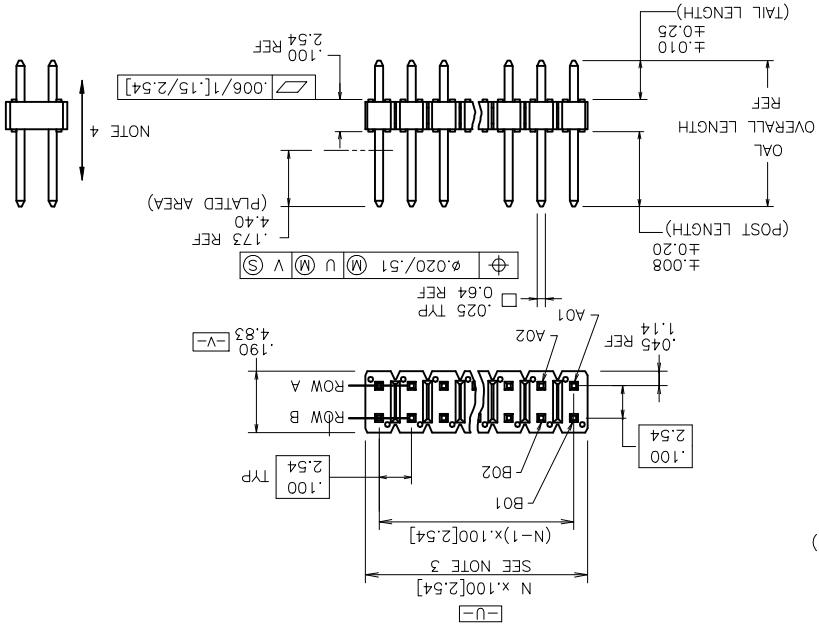
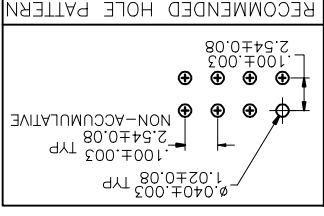


PRODUCT NUMBER
54102 - X XX - XX - XXX X LF

RETENTION
R= RETENTIVE LEG, SEE NOTES 5 & 7
POLARIZATION SEE NOTES 7 & 8
BERGSTRIK
POSITIONS PER ROW, 01 to 36
SEE NOTE 10
BERGSTRIK
POSITIONS PER REEL, 00=45,000 (BERGSTRIK)
PIN STYLES 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	0.250/5.84	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

PLATING:
S=15u"/0.38um GOLD ON CONTACT AREA
100u"/2.54um TIN ON TAIL (NOTE 16)
G=50u"/0.76um GOLD ON CONTACT AREA
100u"/2.54um TIN ON TAIL (NOTE 16)
100u"/2.54um TIN ON CONTACT AREA
T=100-160u"/2.54-4.06um TIN ON CONTACT AREA
AND ON TAIL (SEE NOTE 11 & 15).



mat'l code	SEE NOTES 1 & 2	
surface	ISO 1002	
tolerance	ISO 1001	
projection	MFR.01/03	
product family	BERGSTRIK	
title	D/R THRU HOLE	
scale	1:1	
linear	XXXX.006/XXXX0.13	
angles	0°±2'	
ecn no	df	date
L	M06-0268	MHT
M	M06-0346	MHT
N	M07-0247	ACS
P	M07-0337	MHT
R	M08-0237	MHT
S	M08-0279	MHT
T	M09-0090	MHT
revision	sheet	
1	2	1
2	1	2
sheet	index	
6/19/09	H.SUNDRY	appd
07/21/99	H.SUNDRY	engr
07/21/99	H.SUNDRY	appd
05/16/99	D.JNGRAM	df
dwg no	54102	
type	Product Customer Drawing	
sheet 1 of 2 size	A3	

NOTES:

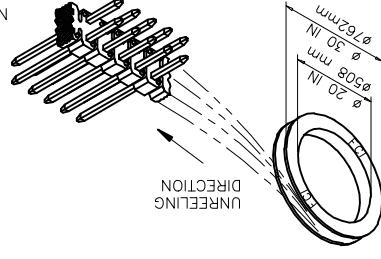
- ① BERGSTIK /BERGSTRIIP HOUSING MAT'L: HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK OR PER UL-94V-0. COLOR: BLACK.
- ② PIN MATERIAL: PHOSPHOR-BRONZE
- ③ TO DETERMINE DIMENSIONS:
N = NUMBER OF POSITIONS PER ROW, EXAMPLE: 10 POS., N x .100[2.54]=1.00[25.40].
- ④ 2LBS/0.9KG MIN. PIN RETENTION IN EITHER DIRECTION

- ⑤ RETENTIVE LEG APPLICABLE TO TAIL LENGTH OF .120/.305 ONLY. RETENTION IS APPLIED TO TWO PINS PER PART, ADJACENT TO ONE ANOTHER. 5lb/2.3kg MAX. INSERTION FORCE AND 2.5lb/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 MANUF. OMIT FROM PRODUCT NUMBER IF FEATURE IS NOT APPLICABLE.

- ⑥ BERGSTIK PACKAGED IN POLY BAGS. BERGSTRIIP PACKAGED PER REEL. NUMBER IF FEATURE IS NOT APPLICABLE.
- ⑦ POLARIZATION AND RETENTION NOT APPLICABLE TO BERGSTRIIP.
- ⑧ FOR POLARIZATION SPECIFY POSITION NUMBER (i.e. A03=ROW A POS. 3) TO OMIT PIN. OMIT FROM PRODUCT NUMBER IF FEATURE IS NOT APPLICABLE.
- ⑨ UNDERPLATING: 50µ"/1.27µm NI.
- ⑩ POSITIONS PER ROW 37 TO 50 CAN BE PRODUCED, BUT FLATNESS AND CURVATURE MAY NOT BE HELD TO PRINT SPECIFICATION.
- 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 EXT PLATED AT MANUFACTURER'S OPTION.



Cross Reference

CORE RANGE	54102-G05XXLF	77313-101-XXLF	54102-S05XXLF	77313-801-XXLF	54102-G08XXLF	77313-118-XXLF	54102-S08XXLF
EXTENDED RANGE	54102-G05XXLF	77313-101-XXLF	54102-S05XXLF	77313-801-XXLF	54102-G08XXLF	77313-118-XXLF	54102-S08XXLF

Cross Reference

mat'l code	surface	ISO 1302	tolerance	ISO 1406	ISO 1101	projection	product family	BERGSTIK
ltf	ecn no	dr	date	tolerances unless otherwise specified			title	
	angles	linear	linear	xxxxx.005/0.13	xxxxx.01/0.3	INCH/MM		
	0±.2			xxxxx.0020/0.054	xxxxx.0020/0.054	scale	1:1	
dr	D.INGRAM	05/16/99					dwg no	54102
engr	H.SUNDRY	07/21/99					sheet	2 of 2 size
dmr	H.SUNDRY	07/21/99					type	Product Customer Drawing
appd	H.SUNDRY	07/21/99					revision	
sheet	revision						index	

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