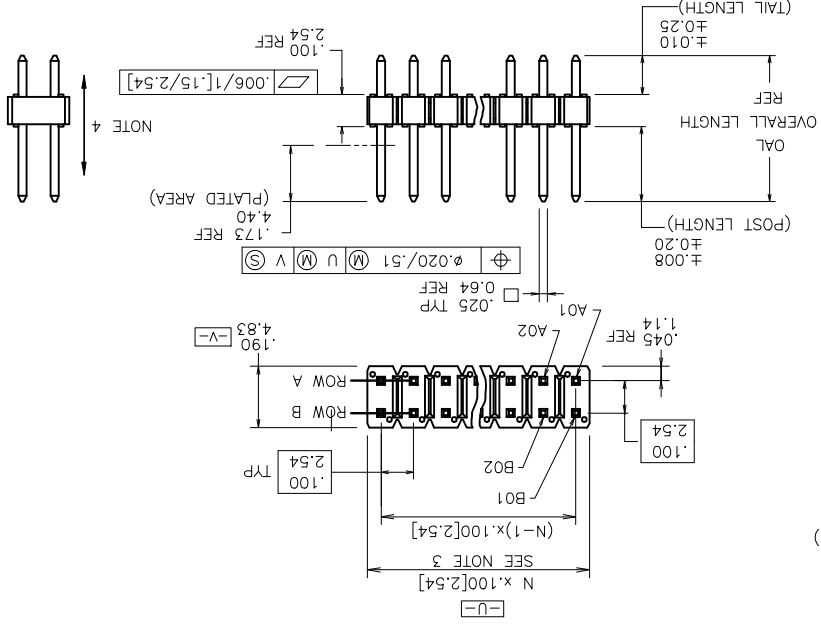
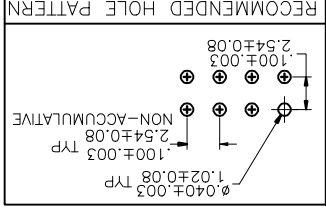


PRODUCT NUMBER
54102 - X XX - XX - XXX X LF

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 1007	product family	BERGSTRIK
lfr	ecn no	dr	date	references unless otherwise specified			projection
L	M06-0268	MHT	7/17/06	linear	MPL01/03	title	
M	M06-0346	MHT	9/04/06	angles	XXXX.006/XXXX.013	product family	BERGSTRIK
N	M07-0247	ACS	5/28/07	linear	XXXX.002/XXXX.016	product family	BERGSTRIK
P	M07-0337	MHT	7/23/07	linear	XXXX.002/XXXX.016	product family	BERGSTRIK
R	M08-0237	MHT	8/25/08	engr	H.SUNDRY	product family	BERGSTRIK
S	M08-0279	MHT	9/30/08	lfr	H.SUNDRY	product family	BERGSTRIK
T	M09-0090	MHT	6/19/09	appd	H.SUNDRY	product family	BERGSTRIK
revision	1	T				type	Product Customer Drawing
sheet	1	T				dwg no	54102
index	2	T				sheet 1 of 2 size	A3

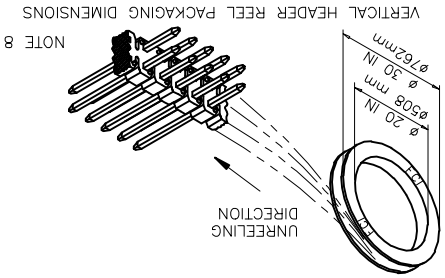
mat'l code		surface	ISO 1302	ISO 1406	ISO 1101	tolerance	projection	product family	BERGSTIK	title	INCH/MM	angles	linear	xxxx+.005/0.13	xxxx+.0020/0.051	scale	1:1	0±.2	dr	D.INGRAM	05/16/99	engr	H.SUNDRY	07/21/99	dmr	H.SUNDRY	07/21/99	appd	H.SUNDRY	07/21/99	revision	sheet	index		
lit		ecn no	dr	date	tolerances unless otherwise specified																														
type		Product Customer Drawing		type		Product Customer Drawing		type		Product Customer Drawing		type		Product Customer Drawing		type		Product Customer Drawing		type		Product Customer Drawing		type		Product Customer Drawing		type		Product Customer Drawing		type		Product Customer Drawing	
dwg no		54102		sheet		2 of 2		size		A3		revision		sheet		index		revision		sheet		index		revision		sheet		index		revision		sheet		index	

CORE RANGE		EXTENDED RANGE	
77313-101-XLFF	54102-G05XXLF	77313-801-XLFF	54102-S05XXLF
77313-118-XLFF	54102-G08XXLF	77313-818-XLFF	54102-S08XXLF

Cross Reference

NOTES:

- BERGSTIK /BERGSTRIIP HOUSING MAT'L: HIGH TEMPERATURE THERMOPLASTIC. UL94V-0 COLOR: BLACK OR PER UL-94V-0. COLOR: BLACK.
- PIN MATERIAL: PHOSPHOR-BRONZE
- TO DETERMINE DIMENSIONS:
N = NUMBER OF POSITIONS PER ROW. EXAMPLE: 10 POS., N x .100[2.54]=1.00[25.40].
- 2LBS/0.9KG MIN. PIN RETENTION IN EITHER DIRECTION
- 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 .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 MANUF. OMIT FROM PRODUCT NUMBER IF FEATURE IS NOT APPLICABLE.
- BERGSTIK PACKAGED IN POLY BAGS. BERGSTRIIP PACKAGED PER REEL.
- POLARIZATION AND RETENTION NOT APPLICABLE TO BERGSTRIIP.
- FOR POLARIZATION SPECIFY POSITION NUMBER (i.e. A03=ROW A POS. 3) TO OMIT PIN. OMIT FROM PRODUCT NUMBER IF FEATURE IS NOT APPLICABLE.
- UNDERPLATING: 50µ"/1.27µm NI.
- POSITIONS PER ROW 37 TO 50 CAN BE PRODUCED, BUT FLATNESS AND CURVATURE MAY NOT BE HELD TO PRINT SPECIFICATION.
- PIN TIPS ON TIN PLATED PRODUCT MAY HAVE BARE METAL ON TWO SIDES, BOTH ENDS.
- PART NUMBERS WITH "LF" AT THE END ARE LEAD FREE.
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE FLOW 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.
- "THIS PRODUCT HAS 100% PURE TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS."
- PLATING OPTIONS:
MAY BE EITHER GOLD OR EXT PLATED AT MANUFACTURER'S OPTION.



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