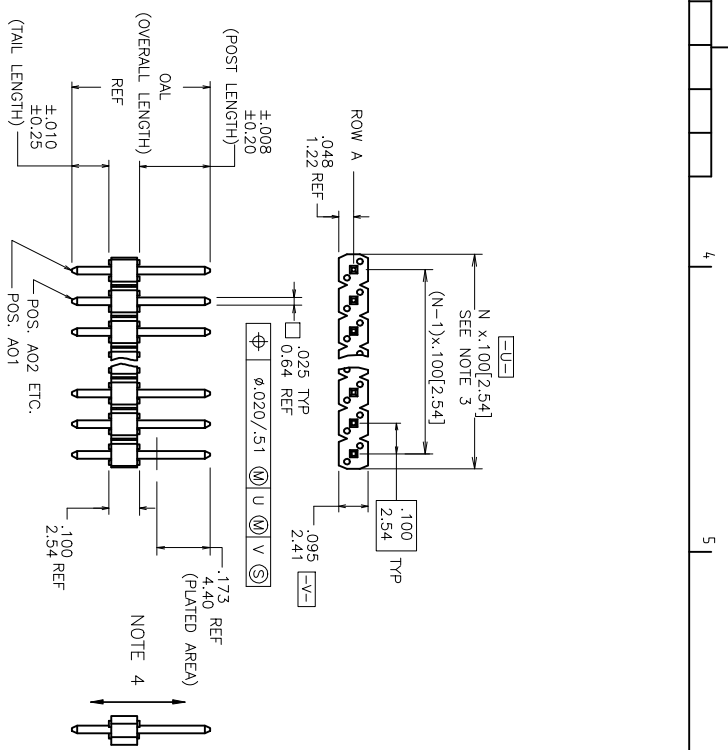
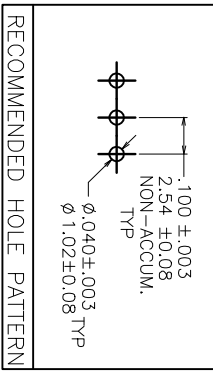


PRODUCT NUMBER
54101-X-X-X-X-X-LF

PLATING
S = 15µ[10.38µm]GOLD ON CONTACT AREA (NOTE 16)
100µ[2.54µm]IN ON TAIL
G = 30µ[10.76µm]GOLD ON CONTACT AREA (NOTE 16)
100µ[2.54µm]IN ON TAIL
T = 100-160µ[2.54-4.04µm]IN ON CONTACT AREA AND ON TAIL (SEE NOTE 11 & 15)

RETENTION R=RETENTIVE LEG NOTE 5 & 7
LEAD FREE NOTE 12 & 13
POLARIZATION NOTE 7 & 9
BERGSTIK POSITIONS PER ROW NOTE 10
BERGSTIK POSITIONS PER REEL NOTE 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



part code	date	surface	tolerance	projection	product family
SEE NOTES 1 & 2		ISO 902	ISO 406		BERGSTIK
lit	date	ISO 902	ISO 406		
N M06-0346 MHT	9/04/06	linear	MIL-D-1403		
P M07-0247 ACS	5/28/07	linear	MIL-D-1403		
R M07-0357 MHT	7/23/07	linear	MIL-D-1403		
S M07-0367 MHT	8/14/07	linear	MIL-D-1403		
T M08-0237 MHT	8/25/08	linear	MIL-D-1403		
U M08-0279 MHT	9/30/08	linear	MIL-D-1403		
V M09-0090 MHT	6/19/09	linear	MIL-D-1403		

revision	date	description
1		
2		

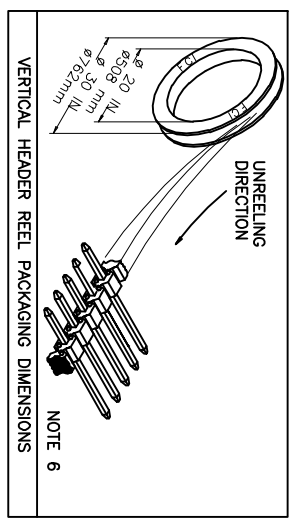
part no	54101
sheet	1 of 2
size	A3
product family	BERGSTIK
title	.100 UNSHROUDED HDR. S/R VERT. THRU HOLE
type	Product Customer Drawing

NOTES:
 ① HOUSING MAT'L: HIGH TEMPERATURE THERMOPLASTIC. UL94V-0, COLOR: BLACK
 OR
 MINERAL FILLED LCP FLAME RETARDANT
 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 .082/1.57 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	tolerance	projection	product family
SEE NOTES 1 & 2	ISO 1302	ISO 1001	ISO 1001	ISO 1001	BERGSTIK	
lit	ecm no	dr	date	reference (also other) standard	INCH/MM	title
V				angles	1:1	.100 UNSHROUDED HDR.
				0+2°	linear	S/R VERT. THRU HOLE
				linear	MMX.005/XX.013	
				linear	MMX.005/XX.013	
				dr	D:INGRAM	05/10/99
				eng	H:SUNDY	07/15/99
				ctr	H:SUNDY	07/15/99
				appd	H:SUNDY	07/15/99
sheet	revision					type
index	sheet					Product Customer Drawing
						54101
						sheet 2 of 2
						size
						A3