

PRODUCT NUMBER
 5 4 2 0 2 - X X X X X - X X X LF

PLATING
 S=15μ"[0.38μm]
 ON CONTACT AREA
 100μ"[2.5μm]TIN
 ON TAIL(NOTE 13)
 G=30μ"[0.76μm]
 ON CONTACT AREA
 100μ"[2.5μm]TIN
 ON TAIL(NOTE 13)
 T=100μ"[2.5μm]TIN
 ON CONTACT AREA
 AND ON TAIL(SEE NOTE 11)
 F=2μ"[0.05μm]GOLD
 ON CONTACT AREA
 AND ON TAIL

LEAD FREE OPTION NOTE 9 & 10

POLARIZATION
 NOTE 6

PACKAGING TYPE, NOTE 5

POSITIONS PER ROW
 02 TO 20

LEAD STYLE	POST	TAIL OVERALL WIDTH	PCB LAYOUT
08 30	0.230/5.84 0.318/8.08	.290 ^{+0.015} / _{-0.017} / 7.37 ^{+0.38} / _{-0.43}	FIGURE 1
60	0.575/14.60	.374 ^{+0.015} / _{-0.017} / 9.50 ^{+0.38} / _{-0.43}	FIGURE 2

NOTES:

- HOUSING MAT'L: HIGH TEMPERATURE THERMOPLASTIC. FLAME RETARDANT PER UL 94V-0. COLOR: BLACK OR MINERAL FILLED LCP FLAME RETARDENT PER UL-94V-0. COLOR: BLACK. THESE PART NUMBERS WILL WITHSTAND EXPOSURE TO 260 C PEAK TEMPERATURE FOR 20 SECONDS IN WAVE SOLDER, INFRA-RED OR VAPOR PHASE SOLDER PROCESS.
- PIN MATERIAL: PHOSPHOR-BRONZE
- TO DETERMINE DIMENSIONS:
 N = NUMBER OF POSITIONS ROW.
 EXAMPLE: 10 POS., N x .100/2.54=1.00/25.4
- 2LBS/0.9KG MIN. PIN RETENTION IN EITHER DIRECTION.
- PACKAGING: NONE =POLY BAGS WITHOUT PICKUP CAP.
 T =TUBES (OMIT DASH IF NOT POLARIZED).
 P =TUBES WITH PICKUP CAPS.
 A =TAPE AND REEL WITH PICKUP CAPS.
 C =CUSTOMIZED TAPE AND REEL WITH PICKUP CAPS.
 D =TAPE AND REEL WITHOUT PICKUP CAPS.
- FOR POLARIZATION, SPECIFY POSITION NUMBER (i.e. A03=ROW A POS. 3) TO OMIT PIN. OMIT FROM PRODUCT NUMBER IF THIS FEATURE IS NOT APPLICABLE. PRODUCT MANAGEMENT APPROVAL REQUIRED PRIOR TO RELEASE OR SALE OF POLARIZED PRODUCTS.
- UNDERPLATING: 50μ"/1.2μm Ni.
- PIN TIPS ON Sn PLATED PRODUCT MAY HAVE BARE METAL ON TWO SIDES, BOTH ENDS.
- PART NUMBERS WITH "LF" SUFFIX AT THE END ARE LEAD FREE.
- THESE PRODUCTS MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008.
- "THIS PRODUCT HAS 100% PURE TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WHISKER GROWTH IN ALL INTERCONNECT ENVIRONMENTS."
- 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.
- MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION

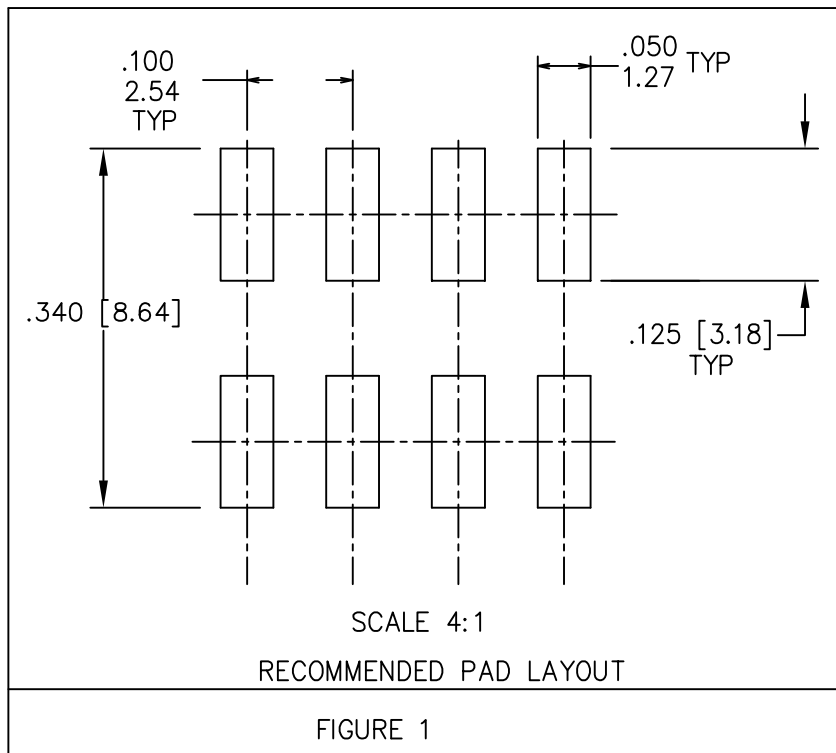


FIGURE 1

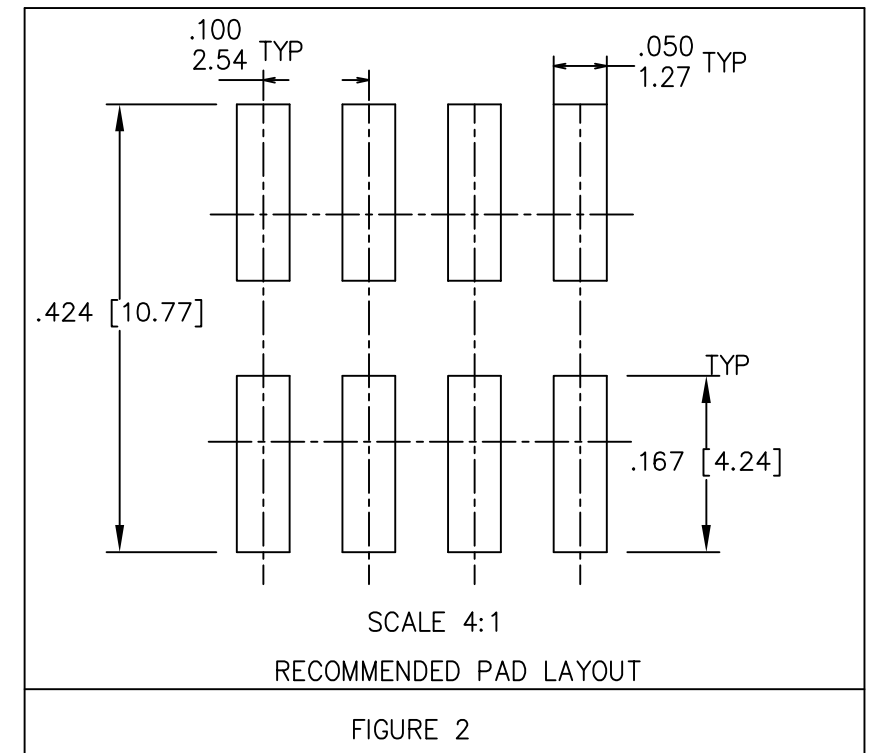
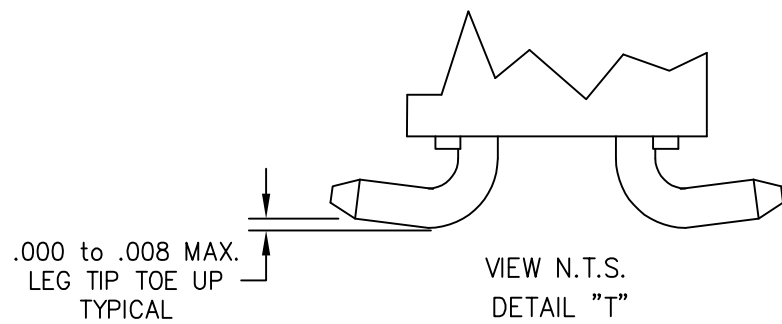
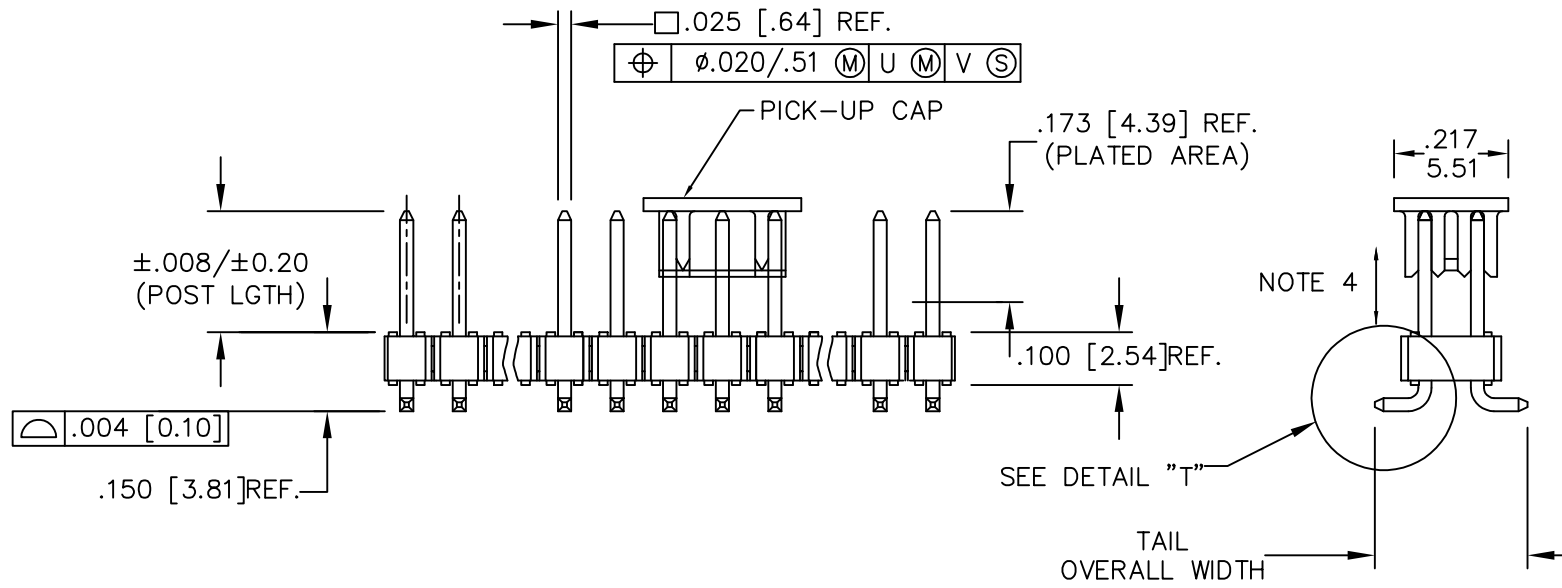
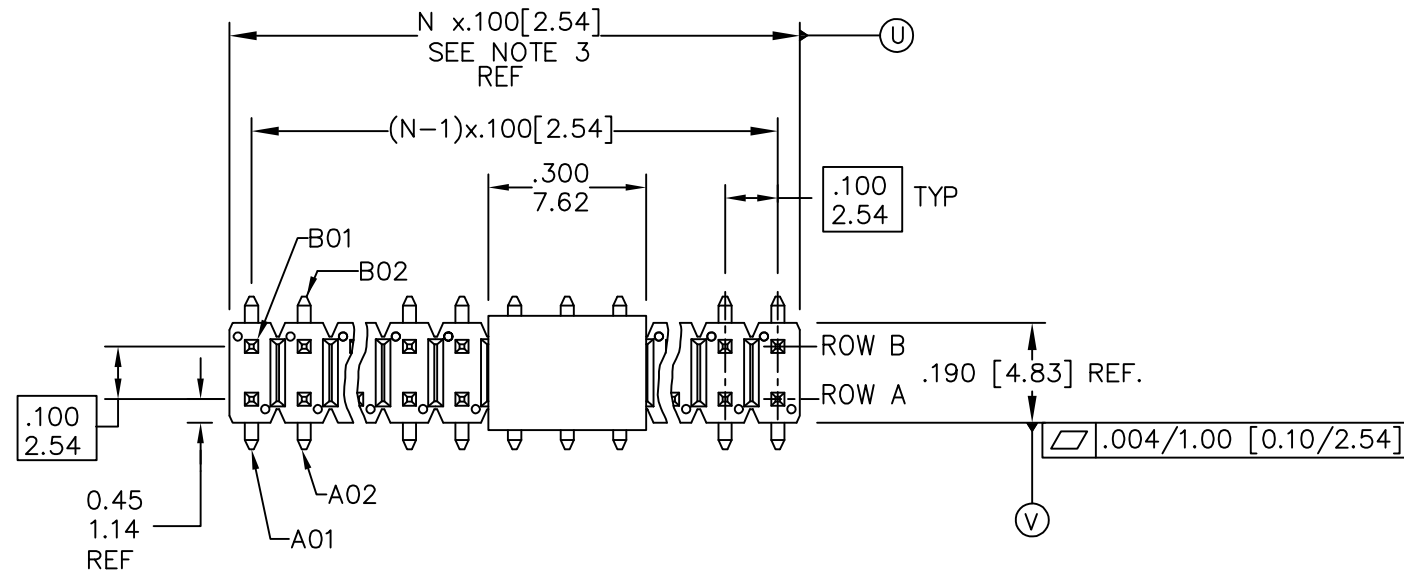


FIGURE 2

mat'l. code SEE NOTES 1&2				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection INCH/MM		product family BERGSTIK							
ltr				ecn no		dr		date		tolerances unless otherwise specified		title					
W				EXL-N-12227		JZ		2012-07-15		angles		.XX±01/.X±0.3					
X				ELX-N-14748		ZK		2013-05-14		linear		.XXX±005/.XX±0.13					
Y				ELX-N-19883		JH		2015-01-15		0°±2°		.XXXX±0020/.XXX±0.051					
AA				ELX-N-21232		MZ		2015-06-25		dr		D.INGRAM 1999-05-17					
										enr		H.SUNDAY 1999-07-21					
										chr		H.SUNDAY 1999-07-21					
										app		H.SUNDAY 1999-07-21					
sheet		revision		AA		AA		AA		FCI		dwg no		sheet 1 of 3		size	
index		sheet		1		2		3				54202		A3			
										type		Product Customer Drawing					

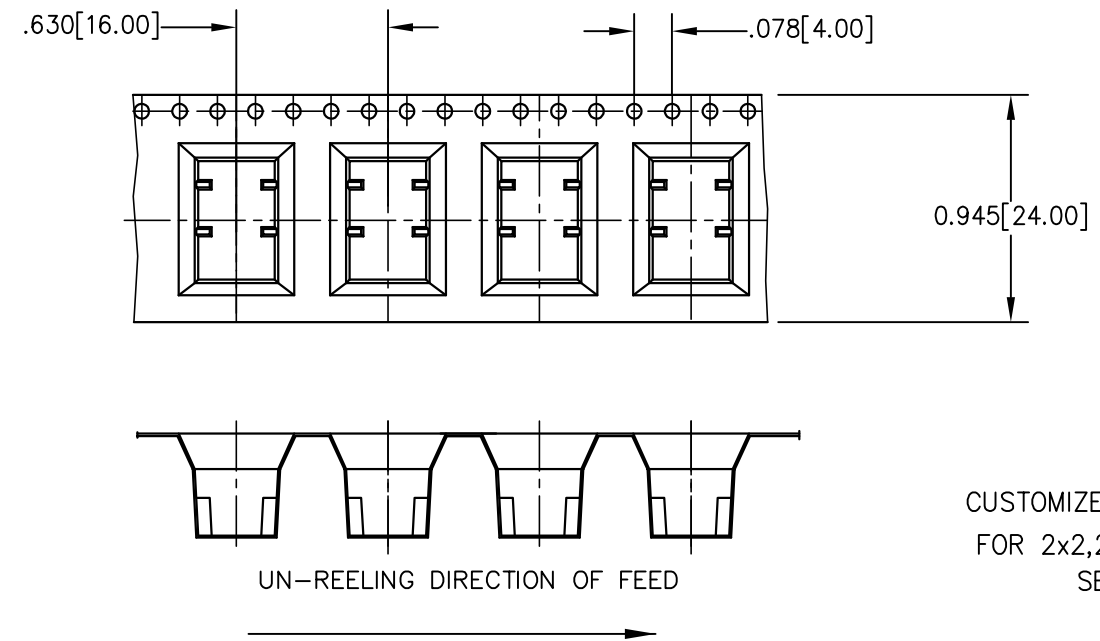
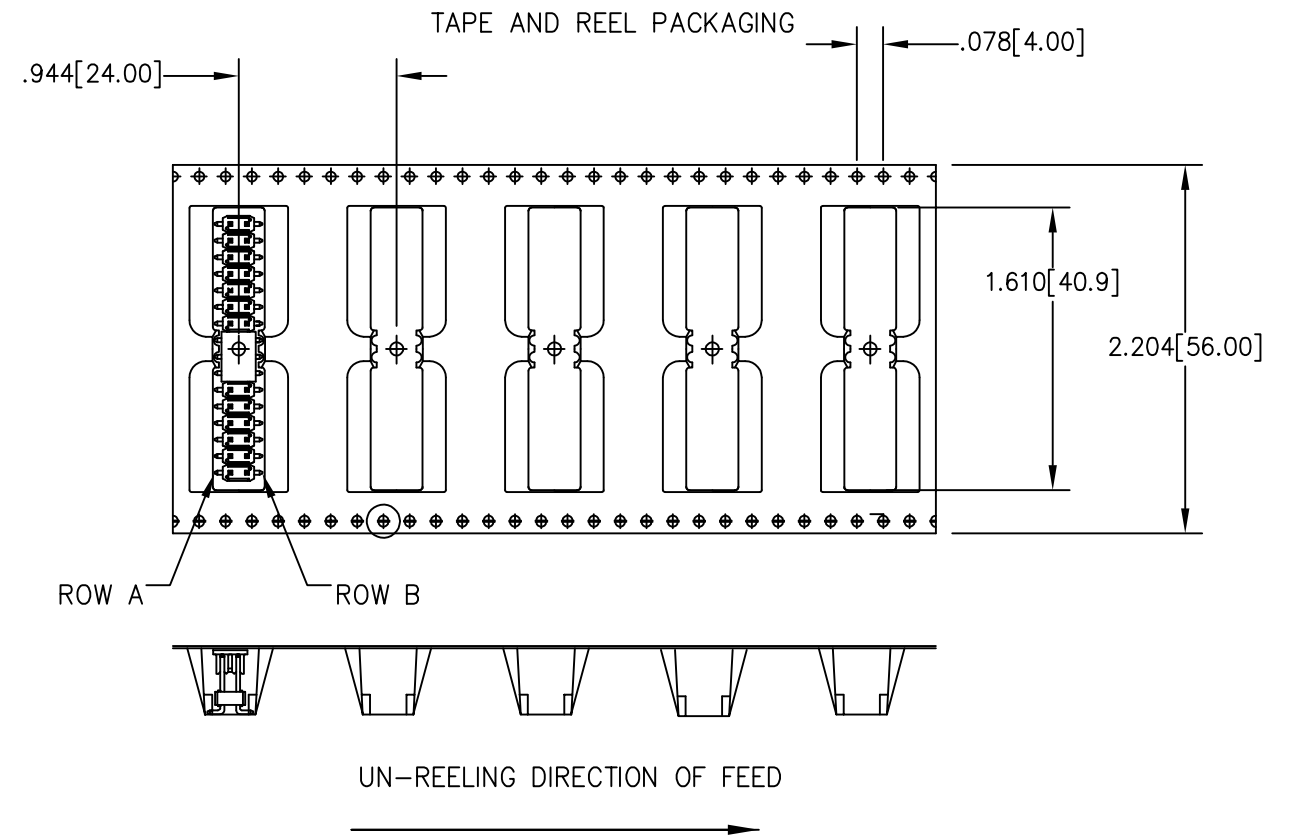
PRODUCT NUMBER
SEE SHEET 1



mat'l. code SEE NOTES 1&2				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection INCH/MM		product family BERGSTIK			
ltr AA				ecn no		dr		date		tolerances unless otherwise specified		title .100 UNSHROUDED HDR DUAL ROW VERT. SMT.	
				angles		linear		0°±2°		.XX±01/.X±0.3 .XXX±005/.XX±0.13 .XXX±0020/.XXX±0.051		scale 1:1	
				dr		D.INGRAM		1999-05-17		dwg no		sheet 2 of 3 size	
				enr		H.SUNDAY		1999-07-21		54202		A3	
				chr		H.SUNDAY		1999-07-21		type		Product Customer Drawing	
				appd		H.SUNDAY		1999-07-21					
sheet index		revision sheet											

TAPE AND REEL PACKAGING

SIZE	LEAD STYLE 08 POST (0.230 [5.84])	LEAD STYLE 30 POST (0.318 [8.08])
2X2	YES	YES
2X3	YES	
2X4	YES	YES
2X5	YES	
2X6	YES	
2X7	YES	YES
2X8	YES	
2X9	YES	
2X10	YES	
2X11	YES	
2X12	YES	YES
2X13	YES	
2X14	YES	
2X15	YES	
2X16	YES	YES
2X17	YES	
2X18	YES	
2X19	YES	
2X20	YES	



CUSTOMIZED CARRIER TAPE
FOR 2x2,2x3,2x4,2x5 SIZE.
SEE NOTE 5

Cross Reference

CORE RANGE	EXTENDED RANGE
54202-X08XXLF	95278-X01-XXLF
54202-X30XXLF	95278-X02-XXLF

mat'l. code SEE NOTES 1&2		surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection INCH/MM	product family BERGSTIK
ltr	ecn no	dr	date	title .100 UNSHROUDED HDR DUAL ROW VERT. SMT.	
AA				scale 1:1	
		angles	linear		
		0°±2°			
		dr	D.INGRAM	1999-05-17	dwg no
		enr	H.SUNDAY	1999-07-21	sheet 3 of 3
		chr	H.SUNDAY	1999-07-21	size A3
		appd	H.SUNDAY	1999-07-21	type Product Customer Drawing
sheet index	revision sheet				



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