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B
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C

D

PRODUCT NUMBER

5 4 2 0 2 - 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=.100/25.4
- 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

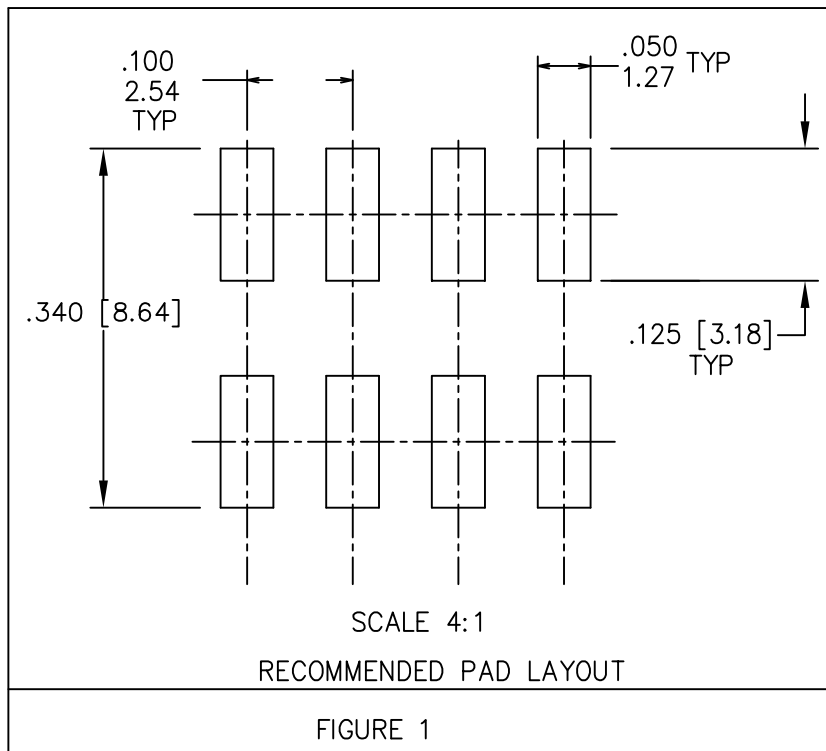


FIGURE 1

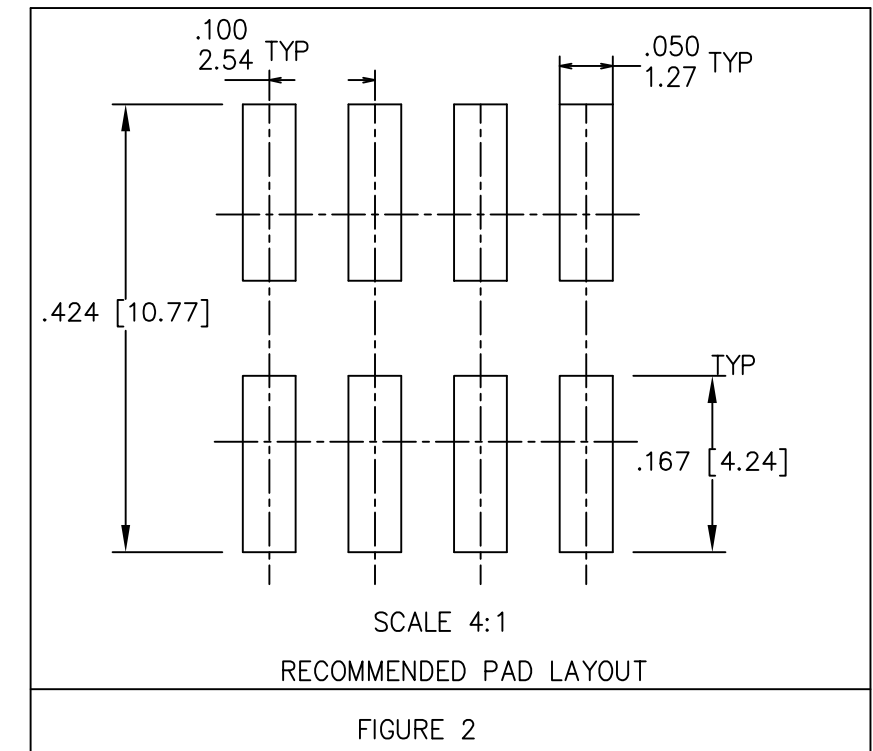
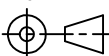
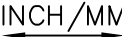
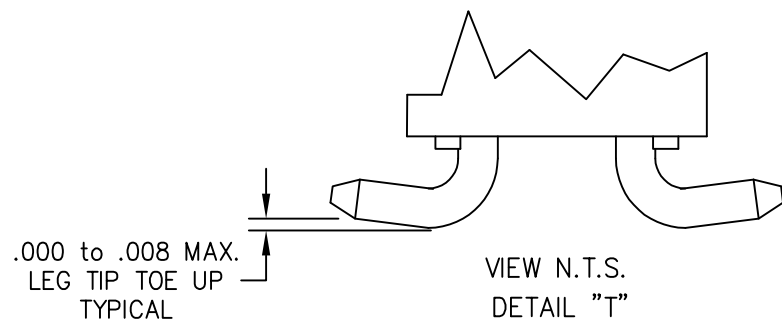
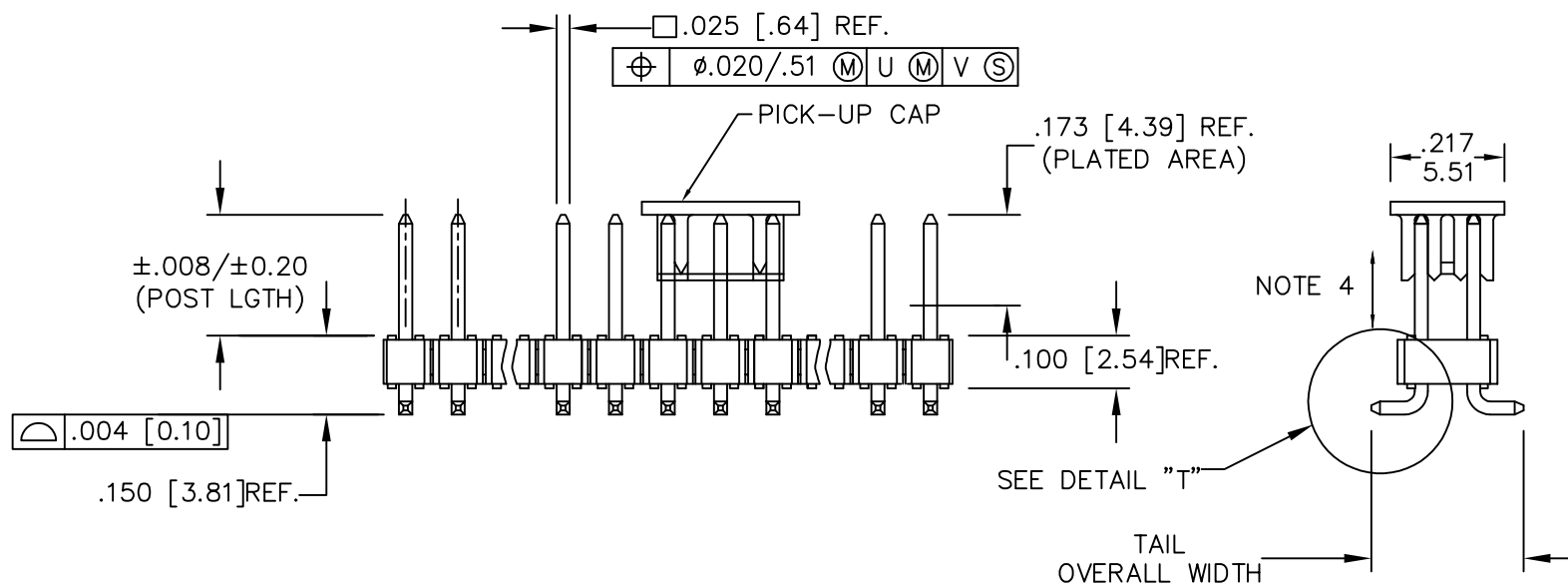
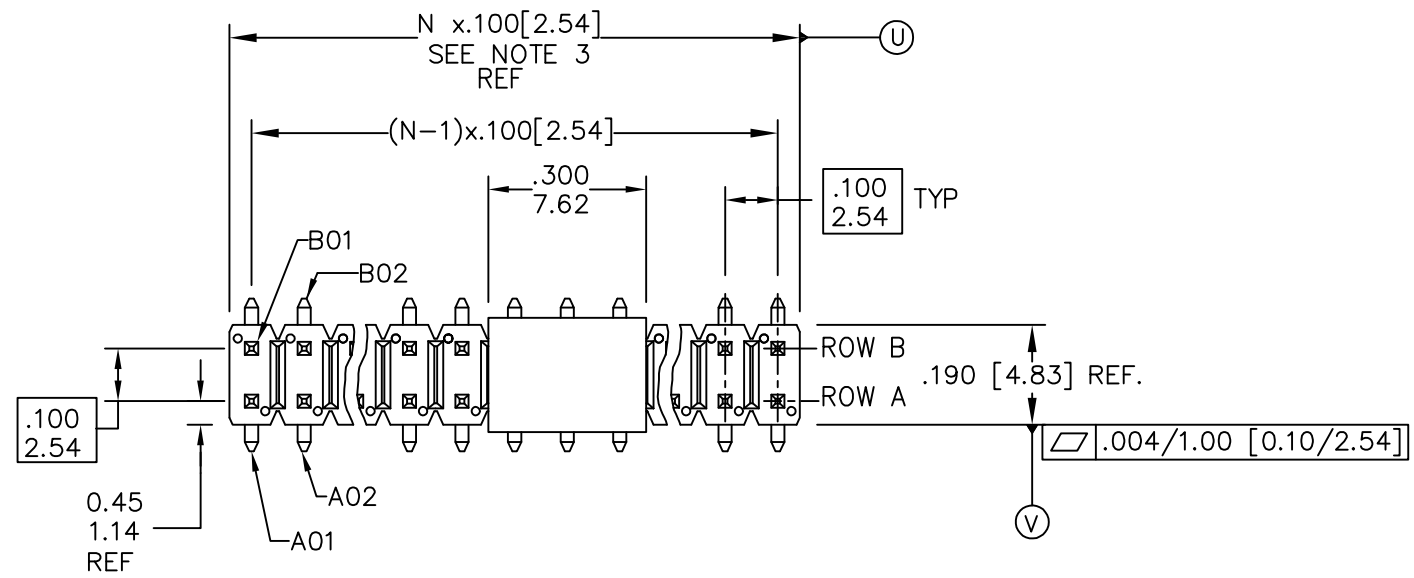
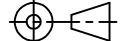
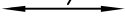


FIGURE 2

mat'l. code SEE NOTES 1&2				surface ISO 1302 ✓			tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK										
ltr	ecn no	dr	date	tolerances unless otherwise specified							title .100 UNSHROUDED HDR DUAL ROW VERT. SMT.										
W	EXL-N-12227	JZ	2012-07-15	angles	linear	.XX±01/.X±0.3					scale 1:1	dwg no 54202 sheet 1 of 3 size A3									
X	ELX-N-14748	ZK	2013-05-14			.XXX±005/.XXX±0.13															
Y	ELX-N-19883	JH	2015-01-15			.XXXX±0020/.XXX±0.051															
AA	ELX-N-21232	MZ	2015-06-25	dr	D.INGRAM		1999-05-17			type Product Customer Drawing											
				enr	H.SUNDAY		1999-07-21														
				chr	H.SUNDAY		1999-07-21														
				appd	H.SUNDAY		1999-07-21														
sheet index		revision sheet		AA	AA	AA															
				1	2	3															

PRODUCT NUMBER
SEE SHEET 1



mat'l. code SEE NOTES 1&2				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK													
ltr ecn no dr date				tolerances unless otherwise specified						INCH/MM 		title .100 UNSHROUDED HDR DUAL ROW VERT. SMT.											
AA				angles 0°±2°		linear		.XX±01/.X±0.3															
								.XXX±005/.XX±0.13															
						.XXX±0020/.XXX±0.051		scale 1:1		FCI dwg no 54202 type Product Customer Drawing													
				dr		D.INGRAM		1999-05-17															
				enr		H.SUNDAY		1999-07-21															
				chr		H.SUNDAY		1999-07-21															
				appd		H.SUNDAY		1999-07-21		sheet2 of 3 size A3													
sheet index		revision sheet																					



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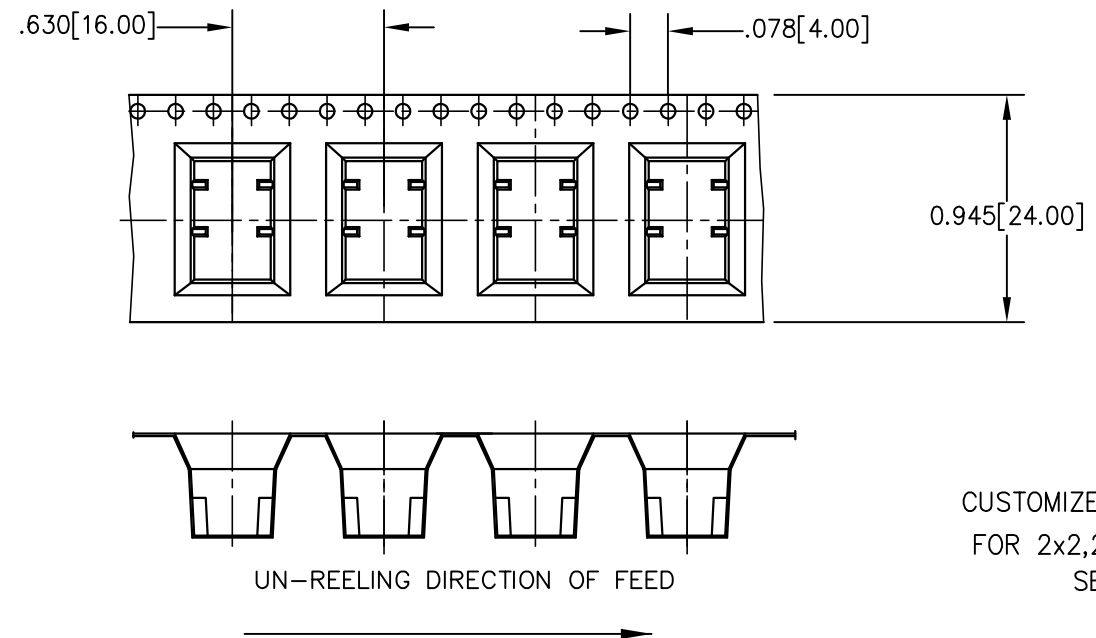
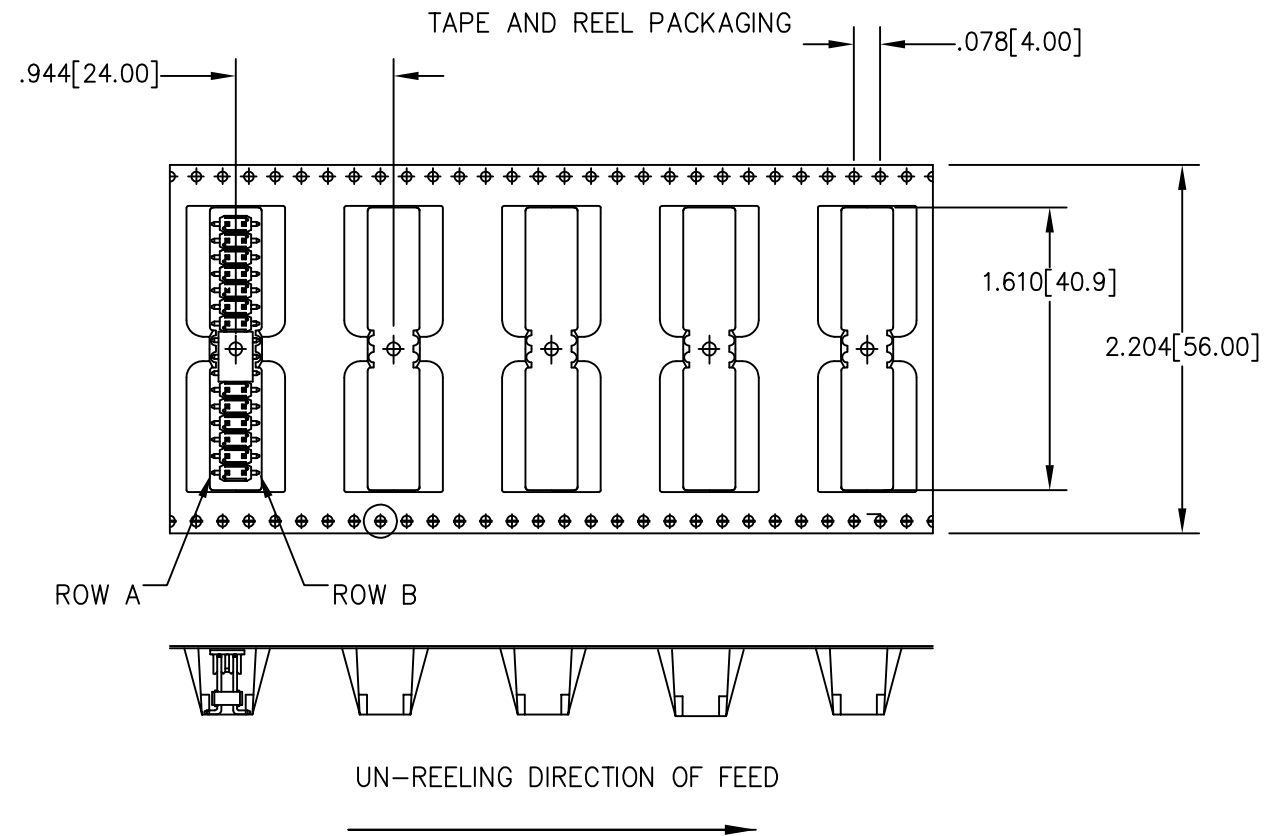
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TAPE AND REEL PACKAGING

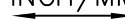
SIZE	LEAD STYLE 08 POST (0.230 [5.84])	LEAD STYLE 30 POST (0.318 [8.08])
2X2	YES	YES
2X3	YES	
2X4	YES	YES
2X5	YES	
2X6	YES	
2X7	YES	YES
2X8	YES	
2X9	YES	
2X10	YES	
2X11	YES	
2X12	YES	YES
2X13	YES	
2X14	YES	
2X15	YES	
2X16	YES	YES
2X17	YES	
2X18	YES	
2X19	YES	
2X20	YES	

Cross Reference

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



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

mat'l. code SEE NOTES 1&2				surface ISO 1302 ✓		tolerance ISO 406 ISO 1101		projection 		product family BERGSTIK																	
ltr AA		ecn no		dr		date		tolerances unless otherwise specified										title .100 UNSHROUDED HDR DUAL ROW VERT. SMT.									
								angles		linear		.XX±01/.X±0.3		INCH/MM 		scale 1:1											
								.XXX±005/.XX±0.13																			
								0°±2°				.XXXX±0020/.XXX±0.051															
								dr		D.INGRAM		1999-05-17				dwg no		sheet3 of 3					size				
								engr		H.SUNDAY		1999-07-21				54202		A3									
								chr		H.SUNDAY		1999-07-21															
								appd		H.SUNDAY		1999-07-21															
sheet index		revision sheet																type		Product		Customer		Drawing			