

PRODUCT NUMBER

5 4 2 0 2 - X X X X - X X X LF

PLATING

S=15μ"[0.38μm]GOLD
ON CONTACT AREA
100μ"[2.5μm]TIN
ON TAIL

G=30μ"[0.76μm]GOLD
ON CONTACT AREA
100μ"[2.5μm]TIN
ON TAIL

T=100μ"[2.5μm]TIN
ON CONTACT AREA
AND ON TAIL(SEE NOTE 11, 15)

F=2μ"[0.05μm]GOLD
ON CONTACT AREA
AND ON TAIL

POLARIZATION
NOTE 6

PACKAGING TYPE, NOTE 5

POSITIONS PER ROW
02 TO 20

LEAD FREE OPTION NOTE 9 & 10

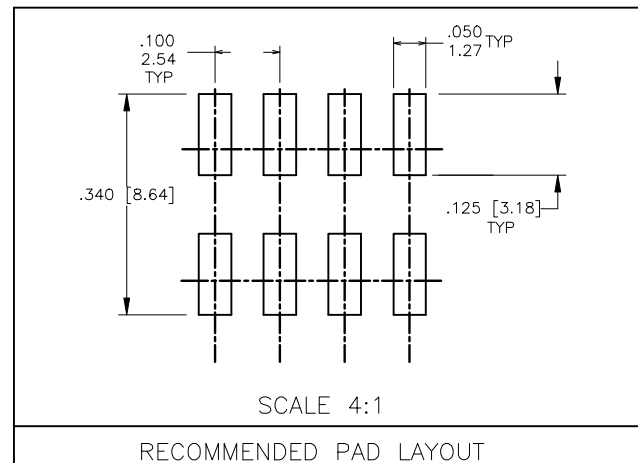
| LEAD STYLE | POST |
|------------|------------|
| 08 | 0.230/5.84 |
| 30 | 0.318/8.08 |

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: _ =POLY BAGS WITHOUT PICKUP CAP.
T =TUBES (OMIT DASH IF NOT POLARIZED).
P =TUBES WITH PICKUP CAPS.
A =TAPE AND REEL WITH 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.

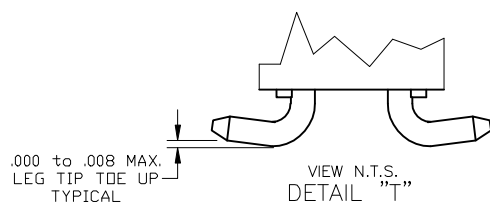





| | | | | |
|-----------------|----------|-----------|------------|----------------------|
| mat'l code | surface | tolerance | projection | product family |
| SEE NOTES 1 & 2 | ISO 1902 | ISO 406 | ISO 1901 | BERGSTIK |
| ltr | ecn no | dr | date | title |
| M | M08-0118 | MHT | 6/03/05 | .100 UNSHROUDED HDR. |
| N | M06-0268 | MHT | 7/17/06 | DUAL ROW VERT. SMT. |
| P | M06-0439 | MHT | 10/31/06 | |
| R | M07-0092 | MHT | 2/07/07 | |
| S | M07-0361 | MHT | 8/14/07 | |
| T | M08-0208 | MHT | 7/18/08 | |
| U | M08-0279 | MHT | 9/30/08 | |
| revision | sheet | 1 | 2 | 3 |
| index | sheet | 1 | 2 | 3 |



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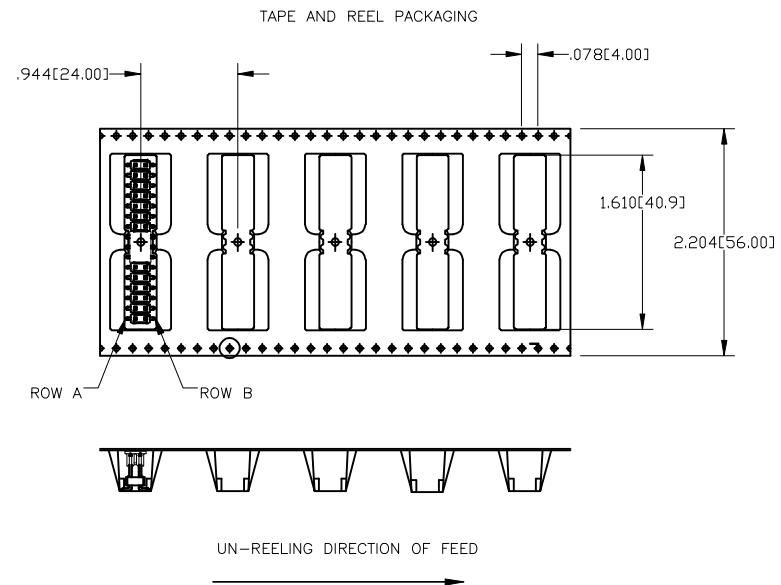
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|-----------------------|--|--|--|-----------------------------------|--|--|--|---|--|--|--|--|--|
| mat'l. code | | | | surface ISO 1302 ✓ | | tolerance ISO 406 ISO 1101 | | projection  | | product family BERGSTIK | | | |
| itr ecn no dr date | | | | angles unless otherwise specified | | linear X.XX+01/X.X+0.3 X.XXX+0.05/X.X+0.13 X.XXXX+0.0020/X.XX+0.051 | | INCH/MM  | | title .100 UNSHROUDED HDR. DUAL ROW VERT. SMT. | | | |
| u | | | | 0° ±2° | | scale 1:1 | | FCI  | | dwg no sheet 2 of 3 size 54202 A | | | |
| sheet index | | | | revision sheet | | engr H.SUNDY 07/21/99 | | chr H.SUNDY 07/21/99 | | type Product Customer Drawing | | | |
| appd H.SUNDY 07/21/99 | | | | | | | | | | | | | |

TAPE AND REEL PACKAGING

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



Cross Reference

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

| | | | | |
|-------------|---------------------|----------------------------------|------------|---|
| mat'l. code | Surface ISO 1902 | Tolerance ISO 406 ISO 1901 | projection | product family BERGSTIK |
| ltr | ecr no | dr | date | title |
| u | | | | .100 UNSHROUDED HDR. DUAL ROW VERT. SMT. |
| | | | | dwg no |
| | | | | 54202 |
| | | | | sheet 3 of 3 |
| | | | | size A3 |
| | | | | type Product Customer Drawing |
| sheet index | revision | sheet | | |