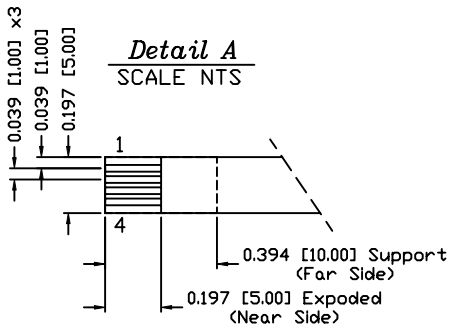
# SENSOR SPECIFICATION

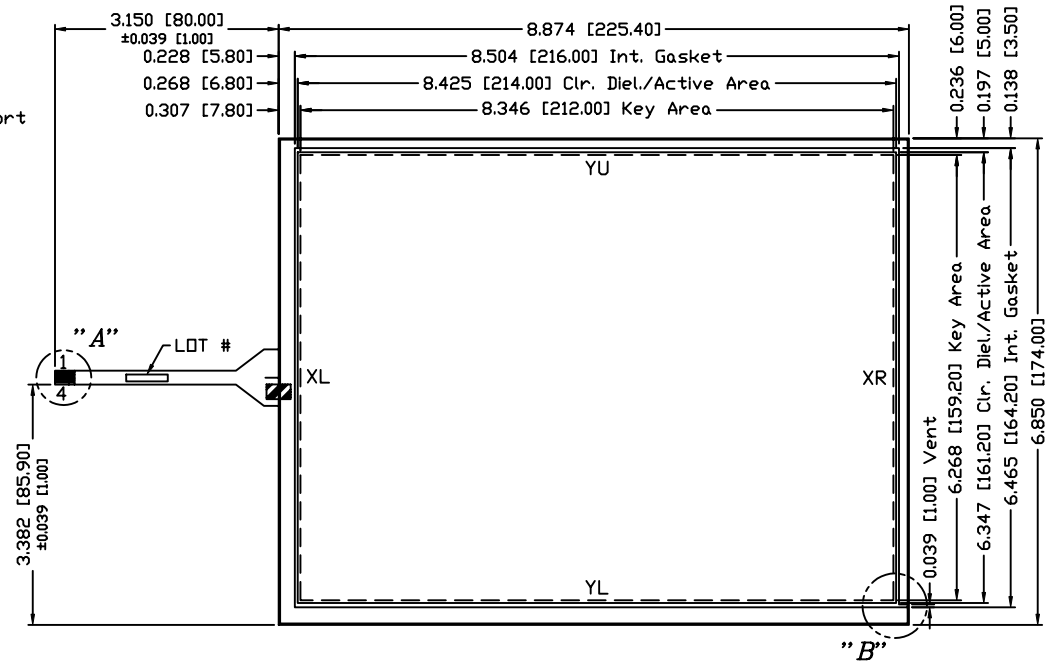
| LINEARITY | ACTUATION FORCE | OPTICAL PER. |
|---|---|---|
| ±1.5% AVE<br>3% MAX. DEV. | 0.10 N (10 g) Min., 0.79 N (80 g) Max.<br>STYLUS: R0.8 TIP, FINGER: R3.0 TIP | 79% TRANSPARENCY<br>PER JIS K7361-1 |

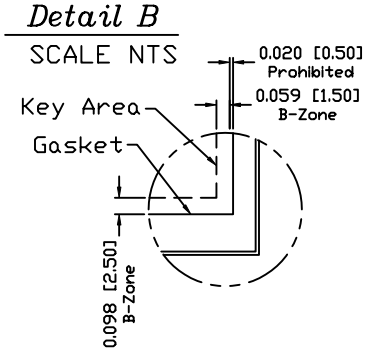
| REVISIONS | | |
|---|---|---|
| REV. | DESCRIPTION | DATE |
| 0 | INITIAL RELEASE | 08/08/08 |
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |

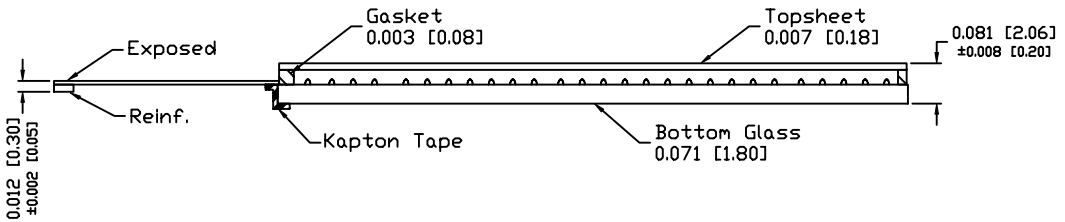
## GENERAL NOTES:

1. TOP FILM OFFSET FROM BOTTOM GLASS 0.020 [0.50].
2. MAX. VOLTAGE & CURRENT: 5 VDC, LESS THEN 1mA AT CONTACT POINT FROM TOP LAYER TO BOTTOM LAYER.
3. OPERATION TEMPERATURE: -10° TO 60°C
4. OPERATION HUMIDITY: < 40°C 20% to 95% RH NO CONDENSATION.
5. STORAGE TEMPERATURE: -20°C TO 70°C
6. FFC BEND R > 2.0MM NO SHARP CREASE
7. SURFACE HARDNESS: 3H AS PER JIS K 5400
8. COSMETIC INSPECTION: GRADE 3x
9. TERMINAL RESISTANCE: YU-YL = 240-720Ω XR-XL = 250-640Ω




PINOUT

| | |
|---|---|
| 1 | XR |
| 2 | YU |
| 3 | XL |
| 4 | YL |


CAD DRAWING

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DEC. TOLERANCES: .XXX = ±0.020 [.XX] = ±[0.51]
ANGULAR TOL. = ±1° FRAC. TOL. X/X = ±1/16
DIM CODE: INCHES [ MILLIMETERS ]
MATERIAL SPEC. F94050
MATERIAL SPEC. RoHS COMPLIANT

DESIGNER. KHILLIARD 08/08/08
CHKD.
DESIGN ENG. LHRUIZ 08/08/08
VIEW POINT:
RLSE. 08/08/08


GUNZE USA
Gunze Electronics USA Corporation
2113 Wells Branch Parkway
Austin, Texas 78728


TITLE: ELO 10.4D F94050 SENSOR, 10.4D 4-WIRE

PART NO. 100-1450
SCALE: 1 : 1
CUSTOMER ID: GUNZE USA
REVISION: 0