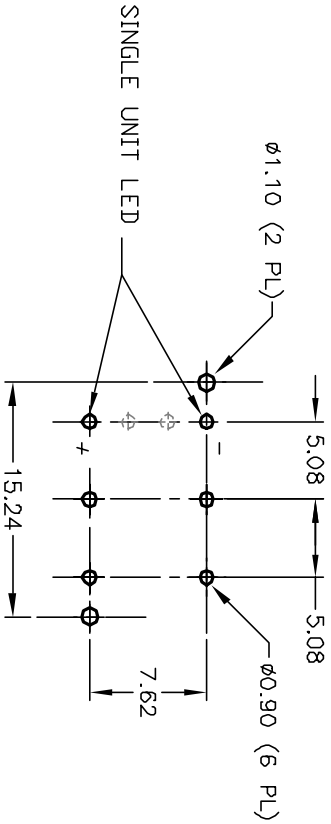
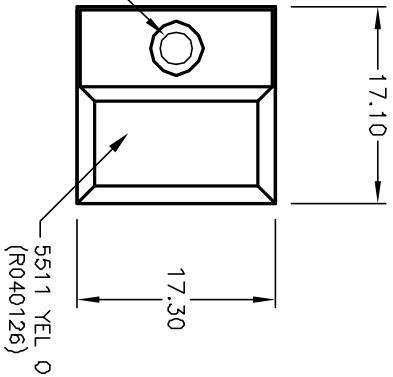
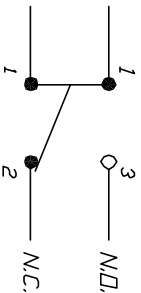
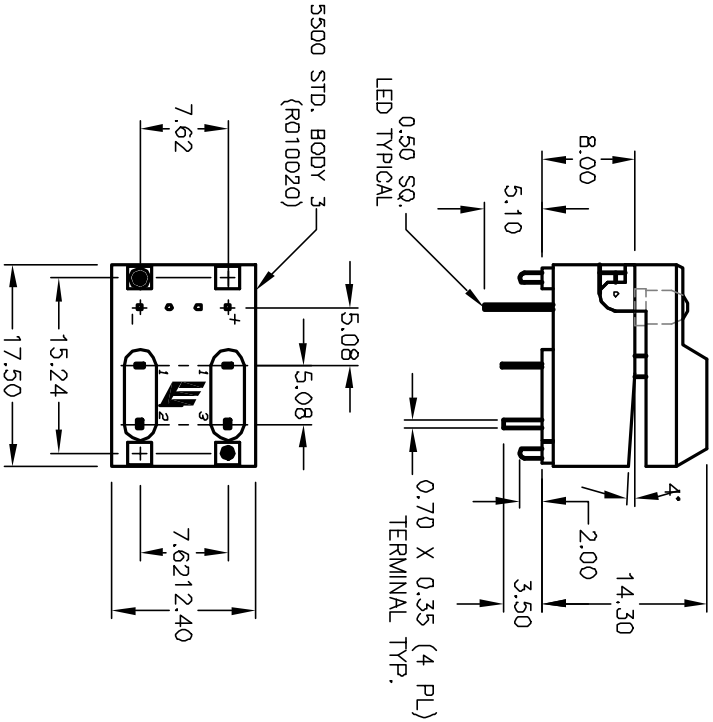




RECOMMENDED P.C.B. LAYOUT

|                      |                 | YEL LED      |      |       |
|----------------------|-----------------|--------------|------|-------|
| LED SPECIFICATION    | SYMBOL          | MAX.<br>MIN. | TYP. | UNITS |
| POWER DISSIPATION    | P <sub>D</sub>  | 100<br>--    |      | mW    |
| FORWARD VOLTAGE      | V <sub>F</sub>  | 2.8<br>1.8   | 2.1  | V     |
| REVERSE VOLTAGE      | V <sub>R</sub>  | 5            |      | V     |
| EMISSION WAVELENGTH  | λ <sub>P</sub>  |              | 590  | nm    |
| AVE. FORWARD CURRENT | I <sub>AF</sub> | 30<br>--     |      | mA    |
| REVERSE CURRENT      | I <sub>R</sub>  | 100<br>--    |      | μA    |
| LUMINOUS INTENSITY   | I <sub>V</sub>  | 5.0          | 12.0 | mcd   |



NOTES:

1. ALL DIMENSIONS IN MM  
2. GENERAL TOLERANCE: X.X=±0.4  
X.XX=±0.25  
3. TERM. NO. FOR REF. ONLY  
4. RATING: 12mA @24V  
5. FIXED CONTACT/MOVING CONTACT:  
COPPER ALLOY W/GOLD PLATE  
6. CONTACT BOUNCE: <5m SEC.  
7. CONTACT RESISTANCE: <50milli-ΩMS  
8. TRAVEL: 2.5±0.2mm  
9. OPERATING TEMP. RANGE: -20°C to +80°C



|                                                                                                              |         |                         |         |            |         |    |     |     |         |     |   |
|--------------------------------------------------------------------------------------------------------------|---------|-------------------------|---------|------------|---------|----|-----|-----|---------|-----|---|
|                                                                                                              |         |                         |         | TITLE      |         |    |     |     |         |     |   |
|                                                                                                              |         |                         |         | 5511-M-3-3 |         |    |     |     |         |     |   |
| A                                                                                                            | 12153   | RELEASED FOR PRODUCTION | 5/15/02 | CJB        |         |    |     |     |         |     |   |
| REV.                                                                                                         | ECN No. | DESCRIPTION             | DATE    | CHKD       |         |    |     |     |         |     |   |
| THE INFORMATION CONTAINED IN THIS DOCUMENT IS PROPRIETARY TO E-SWITCH AND IS NOT TO BE COPIED OR TRANSFERRED |         |                         |         |            |         |    |     |     |         |     |   |
| SCALE                                                                                                        |         |                         | 1.5:1   | DATE       | 5/15/02 | DR | CJB | DWG | KR0225P | REV | A |

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