**ELECTRICAL BOM (EBOM)**

**FOR**

**24" LED INDUSTRIAL DISPLAY UNIT**

**DBPL-24HD-01**

**P.O No.: BEPO / GD1 / 4000397005 Dated: 05-07-2023**

|  |  |  |
| --- | --- | --- |
| **PREPARED BY:** | **CHECKED BY:** | **APPROVED BY:** |
| **SRINIVAS. K. (DATASOL REP.)** | **RAJMOHAN. K. (DATASOL REP.)** | **DR. RAVI KUMAR (DATASOL REP.)** |
| **DESG: APPLICATION ENGG.** | **MANAGER:** | **QUALITY MANAGER** |
| **SIGNATURE:** | **SIGNATURE:** | **SIGNATURE:** |

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|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Part Number** | **Part Description** | **Qty for**  **1 No.** | **Qty for**  **102 Nos.** | **Operating Temp** | **Manufacturer** | **Remarks** |
| 1 | EV240WUM-N10 | 24” LCD TFT LED Backlight Display | 01 | 102 | 0-500C | BOE |  |
| 2 | LCD V53 | LVDS CONTROL controller boards | 01 | 102 |  |  |  |
| 3 | LFA100F-12 | Input 85VAC to 264VAC, Output 12VDC, Power supply, 100 watts | 01 | 102 | -10 to+700C | COSEL |  |
| 4 | **EMO-40-V2-Z** | AC inlet Matting Connector | 01 | 102 + 4 |  | ELCOM |  |
| 5 | H8550VBBBX | Mains ON/OFF Rocker Switch | 01 | 102 | -- | Bulgin / Arcolectric |  |
| 6 | FN9262VA-10-06 | Panel mount 3 Pin AC Inlet with Fuse protection and High-performance filter | 01 | 102 | -25 to+850C | Schaffner |  |

1. **MISCELLEANEOUS COMPONENTS**

| **Sl. No.** | **Part Number** | **Part Description** | **Qty for**  **1 No.** | **Qty for**  **102 Nos.** | **Operating Temp** | **Manufacturer** | **Remarks** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Sleeve for boot / wiring |  |  |  |  |  | As Req for wiring |
| 2 | Ground Pin |  | 01 | 102 | - | - | Asper Mech team |
| 3 |  | 5 Pin Relay Mate Connector with Female Pins | 02 | 204 |  |  |  |
| 4 |  | 2 Pin Relay mate Connector with Pins | 01 | 102 |  |  |  |
| 5 |  | Matting for the above | 01 | 102 |  |  |  |
| 6 |  | Membrane key pad for DISPLAY MENU | 01 | 102 |  | GVS Electronics or Equivalent |  |
| 7 |  | See through Clear Display Protective sheet / glass | 01 | 102 |  |  |  |
| 8 |  | Packing Box | 01 | 102 |  |  |  |
| 9 |  | M6 X 20 Captive Screws | 04 | 408 |  |  |  |
| 10 | DVI-I standard Cable | DVI-I Male-Male (2mtr) Cable with ferrite cores at both ends | 01 | 102 + 4 |  | Standard |  |
| 11 |  | 3 Pin 6 Amps Standard AC Power cord | 01 | 102 |  | ELCOM |  |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Part Number** | **Part Description** | **Qty for**  **1 No.** | **Qty for**  **102 Nos.** | **Operating Temp** | **Manufacturer** | **Remarks** |
| 1 |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |

1. **MIL-CIRCULAR CONNECTORS**