**“BILL OF MATERIAL”**

**FOR**

**“ 19”RACK MOUNTABLE FOLDABLE DISPLAY KB”**

**(P.O No: BEPO/HD4/4000302231; DATE: 02.12.2021)**

**PREPARED BY: CHECKED BY: APPROVED BY:**

**PURUSHOTHAM REDDY (DATASOL REP.) RAJMOHAN.K (DATASOL REP.) SABITHA RANI (DATASOL REP.)**

**DESG: APPLICATION ENGG. MANAGER QUALITY MANAGER**

**SIGNATURE: SIGNATURE: SIGNATURE:**

**CHECKED BY: APPROVED BY:**

**BEL REP. BEL REP.**

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| **A1: COTS PRODUCTS BOM** | | | | | | |
| **S. NO** | **PART NO** | **DESCRIPTION** | **QTY /UNIT** | **QTY /10 UNITS** | **OPERATING TEMP** | **MANUFACTURER** |
| **1** | **ULH1853-A** | **18.5” TFT LCD Display with AD board (DP & VGA Interfaces)**  **Resolution supports up to 1920\*1080, 500 nits Brightness. 89/89/89/89 Viewing angle** | **1** | **10** | **-20° to +70°C** | Litemax |
| **2** | **SB-87-TP-USB** | **87 keys Keyboard With Touch pad** | **1** | **10** | **-40° to +70°C** | Ikey |
| **3** | **EF-1B006B02E-C02** | **EMI-RFI Filter** | **1** | **10** | **-25° to +85°C** | **ELCOM** |
| **4** | **ELP75** | **AC to DC Power supply** | **1** | **10** | **-35° to +85°C** | MEAN WELL |

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| ****A2: MISCELLEANEOUS COMPONENTS BOM**** | | | | | | |
| **S. NO** | **PART NO** | **DESCRIPTION** | **QTY /UNIT** | **QTY /10 UNITS** | **OPERATING TEMP** | **MANUFACTURER** |
| **1** | **H8550VBACA** | **ON /OFF Switch** | **1** | **10** |  | **ROCKER SWITCH** |
| **2** | DBPL-HMKP-01 | **Horizontal Membrane Keypad** | **1** | 10 |  | **GVS ELECTRONICS** |
| **3** | - | **ISO mark 3-pin Power socket** | **1** | **10** |  | **Anchor** |
| **4** | **DBPL-AC-I/IP-18-01** | **Common Mode & Line Filter** | **1** | **10** |  | **DATASOL** |
| **5** |  | **Gasket for Power connector** | **1** | **10** |  | **SSD Polymers** |
| **6** |  | **Gasket for USB connector** | **1** | **10** |  | **SSD Polymers** |
| **7** |  | **Gasket for VGA connector** | **1** | **10** |  | **SSD Polymers** |
| **8** |  | **Gasket for DP connector** | **1** | **10** |  | **SSD Polymers** |
| **9** | L712AS | **DC power female connector** | **1** | **10** |  | **SWITCHCRAFT** |
| **10** | 761KS17 | **12v DC Power male Connector** | **1** | **10** |  | **SWITCHCRAFT** |
| **11** | 657-1250F-003 | **DC Feed Through Filter** | **2** | **20** |  | **API TECHNOLOGIES** |
| **12** | LXR3612GD | **Power LED (Green)** | **1** | **10** |  | **LUMEX** |

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| ****A3: MIL-CIRCULAR CONNECTORS BOM**** | | | | | | |
| **S. NO** | **PART NO** | **DESCRIPTION** | **QTY / UNIT** | **QTY /10 UNITS** | **OPERATING TEMP** | **MANUFACTURER** |
| **1** | **D38999-20WA-98PN** | **Power Circular connector** | **1** |  | **-55° to +125°C** | **AMPHENOL** |
| **2** | **D38999-26WA-98SN** | **Power Circular matting** | **1** |  | **-55° to +125°C** | **AMPHENOL** |
| **3** | **M85049/38-09W** | **Backshell for Matting Connector** |  |  |  |  |
| **4** | **D38999-33-W9R** | **Dust Cap for Power Connector** |  |  |  |  |
| **5** | **USB FTV 21G** | **Panel mount Circular USB connector** |  |  |  |  |
| **6** | **USB FTV 6G** | **USB Mating Connectors** |  |  |  |  |
| **7** | **USB FTV C2G** | **USB Dust Cap** |  |  |  |  |

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| ****A4: OUTSOURCED & FASTENERS BOM**** | | | | | | |
| **S. NO** | **PART NO** | **DESCRIPTION** | **QTY / UNIT** | **QTY /10 UNITS** | **OPERATING TEMP** | **MANUFACTURER** |
| **1** |  |  |  |  |  |  |
| **2** |  |  |  |  |  |  |
| **3** |  |  |  |  |  |  |
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| ****A5: MECHANICAL PARTS** **BOM**** | | | | | | |
| **S. NO** | **DRAWING NO** | **DESCRIPTION** | **QTY / UNIT** | **QTY /10 UNITS** | **OPERATING TEMP** | **MANUFACTURER** |
| **1** |  |  |  |  |  |  |
| **2** |  |  |  |  |  |  |
| **3** |  |  |  |  |  |  |
| **4** |  |  |  |  |  |  |
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| ****A6: CABLES BOM**** | | | | | | |
| **S. NO** | **PART NO** | **DESCRIPTION** | **QTY / UNIT** | **QTY /10 UNITS** | **OPERATING TEMP** | **MANUFACTURER** |
| **1** | **DBPL-PWR-KVM 01** | **1.5 Meters Shielded RGB Power cable** | **1** | **10** |  |  |
| **2** |  | **1.5 Meters USB Shielded Male to Male Cable** | **1** | **10** |  |  |
| **3** |  | **1.5 Meters DP Male to Male cable with locking** | **1** | **10** |  |  |
| **4** |  | **1.5 Meters Male to Male VGA cable** | **1** | **10** |  |  |

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| ****A7: PACKING BOX BOM**** | | | | | | |
| **S. NO** | **PART NO** | **DESCRIPTION** | **QTY / UNIT** | **QTY /10 UNITS** | **OPERATING TEMP** | **MANUFACTURER** |
| **1** | **DBPL-PB-KVM-01** | **Packing Box for KVM** | **1** | **10** |  | Elcir |

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| **A8: DBPL-AC-I/IP-18-01 BOM** | | | | | | |
| **S. NO** | **PART NO** | **DESCRIPTION** | **QTY / UNIT** | **QTY /10 UNITS** | **OPERATING TEMP** | **MANUFACTURER** |
| **1** | **2200LL-471-H-RC** | **Line Filter** | **2** | **20** | **-55°C to 125°C** | **[BOURNS](https://www.mouser.in/manufacturer/bourns/)** |
| **2** | **744825433** | **Common Mode Choke** | **1** | **10** | **-40°C to 125°C** | **WURTH ELEKTRONIK** |
| **3** | **1711738** | **AC I/P & O/P Terminal Blocks** | **2** | **20** | **-30°C to +105°C** | |  | | --- | | **PHOENIX** | |
| **4** | **DBPL-AC-I/IP-18-01** | **Common mode filter PCB board** | **1** | **20** | **NA** | **ORION** |