**““BILL OF MATERIAL””**

**FOR**

**“ CPCI BASED ADVANCED LAUNCH COMPUTER”**

**(P.O No: ASL/DA1P/RCI/R/DA1P/0213/20/4009/4002)**

|  |  |  |
| --- | --- | --- |
| **PREPARED BY** | **CHECKED BY** | **APPROVED BY** |
| PURUSHOTHAM REDDY  APPLICATION ENGINEER  DATASOL REP  SIGNATURE: | RAJMOHAN.K  MANAGER  DATASOL REP  SIGNATURE: | SABITHA RANI  QUALITY MANAGER  DATASOL REP  SIGNATURE: |

# **INDEX**

|  |  |  |
| --- | --- | --- |
| **DESCRIPTION** | | **PAGE NO** |
| **A** | **COTS PRODUCTS BOM** | **3** |
| **B** | **MISCELLEANEOUS COMPONENTS BOM** | **4** |
| **C** | **MIL-CIRCULAR CONNECTORS BOM** | **4** |
| **D** | **SOFTWARE BOM** | **4** |
| **E** | **CABLES BOM** | **5** |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ****A: COTS PRODUCTS BOM**** | | | | | | | |
| **S. NO** | **PART NO** | **DESCRIPTION** | **QTY /UNIT** | **QTY /20 UNITS** | **OPERATING TEMP** | **MANUFACTURER** | **REMARKS** |
| **1** | **S-484283C-2F-80** | **cPCI Chassis with Rack-mount Slides** | **1** | **20** | **0° to +50°C** | **Mapsuka** |  |
| **2** | **cBP-3206** | **6 slots cPCI Backplane** | **1** | **20** | **-10° to +70°C** | **ADLINK** |  |
| **3** | **cBP-3061** | **cPCI power supply Backplane** | **1** | **30** | **-10° to +70°C** | **ADLINK** |  |
| **4** | **cPS-H325/AC** | **cPCI Power Supply: 3U height: 250W CPCi Plug-in PSU** | **1** | **20** | **-40° to +70°C** | **ADLINK** |  |
| **5** | **cPCI-3510BLD/5700E/M16** | **2-slot (8HP) 3U CompactPCI blade with Intel® Core i7-5700EQ CPU and 8GB DDR3L-1333 ECC-soldered memory,DVI,2x GbE,1x USB 3.0, COM, 2xUSB 2.0, PS/2 KB/MS, Line-in, Line-out, CFast socket and SATA connector, -20C to +70C operation** | **1** | **20** | **-20° to +70°C** | **ADLINK** |  |
| **6** | **cPCI-R3P00** | **8 HP Rear I/O module for cPCI-3970 with GbE x2,COM x2, USB x2, SATA x3, VGA, 50mm depth** | **1** | **20** | **-20° to +70°C** | **ADLINK** |  |
| **7** | **DGS25-01TD81BWAQC-J27** | **1TB 2.5" MLC SSD 3MG2-P WT** | **1** | **20** | **-40° to +85°C** | **Innodisk** |  |
| **8** | **cPCI-XMC Adapter** | **3U compact PCI carrier card for XMC PCI Express modules, 64-bit PCI. Support for PXI clock and trigger features (logic dependent)** | **1** | **20** | **0°C to 50°C** | **Innovative Integration /Molex** |  |
| **9** | **X3N1050TI-LFAB-DVI-B** | **NVIDIA GTX1050TI XMC 4GB 128bit/GDDR5 4\*DVI, Air-cooled 60W768 CUDA Extended Temp: -20~+70degC** | **1** | **20** | **-20° to +85°C** | **Aetina** |  |
| **10** | **cPCI-XMC Adapter** | **3U compact PCI carrier card for XMC PCI Express modules, 64-bit** | **-** | **05** | **0°C to 50°C** | **Innovative Integration /Molex** | **For Spare** |
| **11** | **G185HAN01.0** | **18.5” Display**  **Resolution supports up to 1920\*1080, 350nits Brightness. 89/89/89/89 Viewing angle** | **1** | **20** | **-20° to +70°C** | **Elgens** |  |
| **12** | **EKSB-97-TP** | **Keyboard With integrate Touch pad** | **1** | **20** | **-40° to +70°C** | **IKEY** |  |
| **13** | **EF-1B006B20E-C02** | **EMI-RFI Filter for KVM** | **1** | **20** | **-25° to +85°C** | **Elcom** |  |
| **14** | **LFA75F-12** | **AC to DC Power supply for KVM** | **1** | **20** | **-10° to +70°C** | **Cosel** |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ****B: MISCELLEANEOUS COMPONENTS BOM**** | | | | | | | |
| **S. NO** | **PART NO** | **DESCRIPTION** | **QTY /UNIT** | **QTY /20 UNITS** | **OPERATING TEMP** | **MANUFACTURER** | **REMARKS** |
| **1** | **MP0045/1E2/BL/012** | **ON /OFF Switch for KVM** | **1** | **20** | **-20° to +55°C** | **BULGIN** |  |
| **2** |  | **Hinges for KVM** | **2** | **40** |  |  |  |
| **3** | **GP65NB60** | **External USB DVD Drive** | - | **5** |  | **LG or Eq** |  |
| **4** |  | **Slides for KVM** | **2** | **40** |  |  |  |
| **5** |  | **Slides for cPCI chassis** | **2** | **40** |  |  |  |
| **6** |  | **Membrane Keypad for KVM** | **1** | **20** |  | GVS Electronics |  |
| 7 |  | **Display Screen Protector** | **1** | **20** |  |  |  |
| 8 |  | **Finger Pull Handle for KVM** | **2** | **40** |  |  |  |
| 9 |  | **USB Panel Mount connector (Female to Female) for KVM** | **1** | **20** |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ****C: MIL-CIRCULAR CONNECTORS BOM**** | | | | | | | |
| **S. NO** | **PART NO** | **DESCRIPTION** | **QTY / UNIT** | **QTY / 20 UNITS** | **OPERATING TEMP** | **MANUFACTURER** | **REMARKS** |
| **1** | **MS3102R-10SL-3P** | **Power Circular connector** | **1** | **20** | **-55° to +125°C** | **Amphenol** |  |
| **2** | **MS3106F-10SL-3S** | **Power Circular matting** | **1** | **20** | **-55° to +125°C** | **Amphenol** |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ****D: SOFTWARE BOM**** | | | | | | | | |
| **S. NO** | **PART NO** | **DESCRIPTION** | **QTY / UNIT** | **QTY / 20 UNITS** | **OPERATING TEMP** | **MANUFACTURER** | **REMARKS** | |
| **1** | **RH0958488** | **RHEL 7.5 or Higher Workstation with media** | - | **2** | **NA** | **EGlobe Infra Solutions** |  | |
| **2** | **NA** | **Linux Drivers Software & Sample test programs for all resources** | **-** | **1** | **NA** | **DATASOL** |  | |
| ****E: CABLES BOM**** | | | | | | | | |
| **S. NO** | **PART NO** | **DESCRIPTION** | **QTY / UNIT** | **QTY / 20 UNITS** | **OPERATING TEMP** | **MANUFACTURER** | | **REMARKS** |
| **1** | **NA** | **1.8 Meters DVI Male to Male cable** | **1** | **20** | NA | **Startech or Eq** | |  |
| **2** | **NA** | **1.8 Meters USB male to Male Cable** | **1** | **20** | NA | **Startech or Eq** | |  |
| **3** | **NA** | **Cat 6 Gigabit Ethernet cables terminated with RJ45 connectors – 10 m length** | **1** | **20** | NA | **NT Tech / Eurotech** | |  |
| **4** | **NA** | **Cat 6 Gigabit Ethernet cables terminated with RJ45 connectors – 5 m length** | **1** | **20** | NA | **NT Tech / Eurotech** | |  |
| **5** | **NA** | **VGA Splitter for extending VGA output up to 50m** | - | **05** | NA | **Startech or Eq** | |  |
| **6** | **NA** | **Display Port/DVI to VGA adaptor cable of length 3m** | - | 10 | NA | **Startech or Eq** | |  |
| **7** | **NA** | **1.8 Meters Power cable for KVM** | 1 | **20** | NA | **DATASOL** | |  |