**““BILL OF MATERIAL””**

**FOR**

**“ CPCI BASED ADVANCED LAUNCH COMPUTER”**

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

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| **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: |

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| ****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** |  |  |
| **2** | **cBP-3206** | **CPCI Backplane + Power Supply backplane** | **1** |  |  |  |  |
| **3** | **cBP-3061** | **3U, 06 slots CPCI Backplane with Rear IO** | **1** |  |  |  |  |
| **4** | **cPS-H325/AC** | **CPCI Power Supply: 3U height: 250W CPCi Plug-in PSU** | **1** |  |  |  |  |
| **5** | **cPCI-3510BLD/5700E/M16** | **2-slot (8HP) 3U CompactPCI blade with IntelR 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, -200C to +700C operation** |  |  |  |  |  |
| **6** | **cPCI-R3P00** | **8 HP Rear I/O module for cPCI-3970 with GbE x2,COM x2, USB x2, SATA x3, VGA, 50mm depth** |  |  |  |  |  |
| **7** | **DGS25-01TD81BWAQC-J27** | **1TB 2.5" SSD 3MG2-P WT** |  |  |  |  |  |
| **8** | **cPCI-XMCe Adapter** | **3U compact PCI carrier card for XMC PCI Express modules, 64-bit PCI. Support for PXI clock and trigger features (logic dependent)** |  |  |  |  |  |
| **9** | **X3N1050TI-LFAB-HDMI-B +1** | **VHDCI to 4 HDMI cable included NVIDIA GTX1050TI XMC 4GB 128bit/GDDR5 HDMI via VHDCI(front panel) Air-cooled 60W768 CUDA Extended Temp: -20~+70degC ,1\*VHDCI to 4 HDMI cable included** |  |  |  |  |  |
|  | **cPCI-XMCe Adapter** | **3U compact PCI carrier card for XMC PCI Express modules, 64-bit** |  |  |  |  |  |
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| ****B: MISCELLEANEOUS COMPONENTS BOM**** | | | | | | | |
| **S. NO** | **PART NO** | **DESCRIPTION** | **QTY /UNIT** | **QTY /30 UNITS** | **OPERATING TEMP** | **MANUFACTURER** | **REMARKS** |
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| **C: DBPL-AC-I/IP-18-01 BOM** | | | | | | | |
| **S. NO** | **PART NO** | **DESCRIPTION** | **QTY / UNIT** | **QTY / 30 UNITS** | **OPERATING TEMP** | **MANUFACTURER** | **REMARKS** |
| **1** | **2200LL-471-H-RC** | **Line Filter** | **2** | **60** | **-55°C to 125°C** | **[BOURNS](https://www.mouser.in/manufacturer/bourns/)** | **Available** |
| **2** | **744825433** | **Common Mode Choke** | **1** | **30** | **-40°C to 125°C** | **WURTH ELEKTRONIK** | **Available** |
| **3** | **1711738** | **AC I/P & O/P Terminal Blocks** | **2** | **60** | **-30°C to +105°C** | |  | | --- | | **PHOENIX** | | **Available** |
| **4** | **DBPL-AC-I/IP-18-01** | **Common mode filter PCB board** | **1** | **30** | **NA** | **ORION** | **Available** |

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| ****E: MIL-CIRCULAR CONNECTORS BOM**** | | | | | | | |
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| **F: MECHANICAL ITEMS BOM** | | | | | | | |
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| **G: FASTENERS BOM** | | | | | | |
| **S. NO** | **PART NO** | **DESCRIPTION** | **MATERIAL SPECIFICATION** | **QTY / UNIT** | **QTY / 30 UNITS** | **MANUFACTURER** |
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