**“BILL OF MATERIAL”**

**FOR**

**“15.6” MTID-RUGGED”**

**(P.O No:** **BEPO/GD3/4000392872; Date: 07.06.2022)**

**DATASOL PART NUMBER: DBPL-15HDT-01**

**BEL PART NUMBER: 4461 415 601 19**

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

**PURUSHOTHAM REDDY (DATASOL REP.) RAJMOHAN.K (DATASOL REP.) DR. RAVI KUMAR (DATASOL REP.)**

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

**SIGNATURE: SIGNATURE: SIGNATURE:**

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| **A1: COTS PRODUCTS BOM** | | | | | | |
| **S. NO** | **PART NO** | **DESCRIPTION** | **QTY /UNIT** | **QTY /26 UNITS** | **OPERATING TEMP** | **MANUFACTURER** |
| **1** | **OPH1566-ITN-QXX** | **15.6” PCAP-Multi Touch with Glass protection Display with optical bonding.**  **DVI, HDMI supports AD board.**  **Touch Controller board.**  **Invertor board.**  **Resolution up to 1920 x 1080 @ 60Hz, Brightness 1200 cd/m2, Viewing Angle 70°(H),170°(V)** | **1** | **26** | **-30° to +70°C** | LITEMAX |
| **2** | **EF-1B006B02E-C02** | **EMI-RFI Filter** | **1** | **26** | **-25° to +85°C** | **ELCOM** |
| **3** | **LFA75F-12** | **AC to DC Power supply** | **1** | **26** | **-10° to +70°C** | COSEL |

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| **A2: MISCELLEANEOUS BOM** | | | | | | |
| **S. NO** | **PART NO** | **DESCRIPTION** | **QTY /UNIT** | **QTY /26 UNITS** | **OPERATING TEMP** | **MANUFACTURER** |
| **1** | 620004113322 | **Headers & Wire Housings WR-WTB 2mm Female 4Pin Terminal Hsng for AD board 12V** | **1** | **26** | **-25° to +85°C** | [**WURTH ELEKTRONIK**](https://www.mouser.in/manufacturer/wurth-elektronik/) |
| **2** | 62000113722DEC | **Conn socket 24-30awg crimp tin for ad board 12v** | **4** | **104** | **-25° to +85°C** | [**WURTH ELEKTRONIK**](https://www.mouser.in/manufacturer/wurth-elektronik/) |
| **3** | CONA 1986 | **ISI mark 3-Pin power socket for power cable** | **1** | **26+ 2 spare** | **-20° to +70°C** | **ANCHOR** |
| **4** | 1-1123722-5 | **3-Pin Power Supply I/P connector** | **1** | **26** | **-25° to +105°C** | **TE Connectivity/AMP** |
| **5** | 64510113722 | **Pins for Power Supply I/P connector** | **3** | **78** | **-40° to +105°C** | **WURTH ELEKTRONIK** |
| **6** | 1-1123722-6 | **6-Pin Power Supply O/P connector** | **1** | **26** | **-25° to +105°C** | **TE Connectivity/AMP** |
| **7** | 64510113722 | **Pins for Power Supply 0/P connector** | **3** | **78** | **-40° to +105°C** | **WURTH ELEKTRONIK** |
| **8** | 74270032 | **Ferrite Core for power cable** | **1** | **26+ 2 spare** | **-25° to +125°C** | **WURTH ELEKTRONIK** |

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| **A3: MIL-CIRCULAR CONNECTORS BOM** | | | | | | |
| **S. NO** | **PART NO** | **DESCRIPTION** | **QTY / UNIT** | **QTY /26 UNITS** | **OPERATING TEMP** | **MANUFACTURER** |
| **1** | **D38999/20WB 5PN** | **Power Circular Panel connector** | **1** | **26** | **-65°C to 175°C** | **AMPHENOL** |
| **2** | **D38999/33W 11R** | **Dust cap for power connector** | **1** | **26** | **-65°C to 175°C** | **AMPHENOL** |
| **3** | **D38999/26WB 5SN** | **Power mating connector** | **1** | **26+ 2 spare** | **-65°C to 175°C** | **AMPHENOL** |
| **4** | **M85049/38/11W** | **Power mating connector back shell** | **1** | **26+ 2 spare** | **NA** | **AMPHENOL** |
| **5** | **HDMI FTV 2A** | **HDMI Panel connector** | **1** | **26** | **-40° to +85°C** | **AMPHENOL** |
| **6** | **HDMI FTV C2G** | **Dust cap for HDMI** | **1** | **26** | **-40° to +85°C** | **AMPHENOL** |
| **7** | **USBFTV 21G** | **USB Panel connector** | **1** | **26** | **-55° to +85°C** | **AMPHENOL** |
| **8** | **USB FTV C2G** | **DUST CAP for USB** | **1** | **26** | **-55° to +85°C** | **AMPHENOL** |
| **9** |  | **DVI DUST Cap** | **1** | **26** |  | **AMPHENOL** |
|  |  | **Power Matting connector boot** | **1** | **26** |  |  |

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| **A4: CABLES BOM** | | | | | | |
| **S. NO** | **PART NO** | **DESCRIPTION** | **QTY / UNIT** | **QTY /26 UNITS** | **OPERATING TEMP** | **MANUFACTURER** |
| **1** | **DBPL-PWR** | **1.8 Meters circular Power cable With Ferrite core** | **1** | **26+ 2 spare** | **-10° to +70°C** | **DATASOL** |
| **2** |  | 2.5M Length DVI Male to mDP with Securing Notch cable, ferrite core | 1 | **26+ 2 spare** | **-10° to +70°C** | NT Tech / Standard |
| **3** |  | 2.5M Length HDMI to mDP with Securing Notch cable, ferrite core | 1 | **26+ 2 spare** | **-10° to +70°C** | NT Tech / Standard |
| **4** |  | 2.5M USB Male to Male Cable for Touch with ferrite core | 1 | **26+ 2 spare** | **-10° to +70°C** | NT Tech / Standard |
| **5** |  | 0.5M HDMI Male to Male cable for AD board to Panel circular connector | 1 | **26** |  | NT Tech / Standard |
|  |  | 0.5M DVI Male to Female panel Cable | 1 | **26** |  | NT Tech / Standard |

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| **A5: PACKING BOX BOM** | | | | | | |
| **S. NO** | **PART NO** | **DESCRIPTION** | **QTY / UNIT** | **QTY /26 UNITS** | **OPERATING TEMP** | **MANUFACTURER** |
| **1** | **DBPL-PB** | **Packing box** | **1** | **26** | **-10° to +70°C** | **DATASOL** |