1 2 4 7 FUNCTIONAL KEYS:-R LAP KEYBOARD CONNECTOR PIN OUTS LIST OF ITEMS TO BE SUPPLIED DESCRIPTIONS SL NO CONNECTOR PIN OUT VOLTAGE RATING DEFAULT STATES This document is the Property of Bangalore, India. Reproduction, Ulthird parties, in any form what s without written consent of the pr USB_D-1 PIN OUT 1 LOW 0.3V SL NO. PART NAME **DESCRIPTION** QTY. PIN OUT 2 **FUNCTIONS** 2 USB_VIN KEYS 5V HIGH PIN OUT 3 USB_D+ Fn + ESC NUMLOCK RUGGED LAPTOP KEYBOARD 1 KEYBOARD WITH FLANGE ,T= 6.9MM PIN OUT 4 GND ΩV LOW 1 MUTE Fn + F1 5 PIN OUT 5 LCD POWER ENABLE 3.3٧ OUTPUT (HIGH) 2 FRC CABLE MAKE:SAMTEC, PART#: FFSD-10-D-06.00-01-N 1 6 PIN OUT 6 NC Fn + F2VOLUME -PIN OUT 7 WIFI DISABLE 3.3V OUTPUT (HIGH) 3 VOLUME + Fn + F3 FLANGE RUBBER GASKET MAT.: NATURAL RUBBER . T=1.5MM 1 PIN OUT 8 LED K AC PRESENT 8 5٧ INPUT BACKWARD Fn + F4 LED K SYS ON 9 PIN OUT 9 5V INPUT 10 PIN OUT 10 SATA LED 5٧ INPUT CABLE DETAILS **FUNCTIONS** KEYS 11 PIN OUT 11 LTE DISABLE 3.3V OUTPUT (HIGH) PIN OUT 12 KEYBOARD BACKLIGHT ON/OFF 12 NC _ _ 1)Make : Samtec. Fn + F10 13 PIN OUT 13 NC Fn + F11 BRIGHTNESS + 14 PIN OUT 14 NC 2)Part No: FFSD-10-D-06.00-01-N. PIN OUT 15 15 NC BRIGHTNESS -Fn + F12 3)No. of pins: 20 pins cable. 16 PIN OUT 16 NC _ Fn+PRINTSCREEN WIFI DISABLE 17 PIN OUT 17 VDD 5V INPUT 4)Cable length: L=150mm. LTE DISABLE Fn + 718 PIN OUT 18 GND OV LOW PIN OUT 19 19 NC 5)Connector Type: IDC Connector to IDC Connector. **FUNCTIONS** KEYS 20 PIN OUT 20 NC PLAY / PAUSE Fn + F5 6)Max. current rating: 2.3 A. С Fn + F6 FORWARD 7)Max. voltage rating: N/A. RLAPKEYBOARD SPECIFICATIONS:-Fn + F7 CD POWER ENABLE 8) Operating Temperature: -40° c to 105° c. ROJECT SCREEN Fn + F8 Track pad TM 9925 Specification Tact switch specification SEARCH Fn + F9 Descriptions Specifications Descriptions Specifications **Button Specifications** Two (2) Mechnical Buttons Contact ratina 50 mA @ 12 VDC 1) OPEARTING TEMP. : $-20^{\circ}c$ TO $+60^{\circ}c$ 100,000 cycles typical life expentancy Active Sensing Area 62.50mmx46.50mm 2) STORAGE TEMP. : -40°c TO +80°c 20mE MAX .initial at 2-4 VDC,100mA Operating Temperature -40 ° C to 85 ° C contact resistance 3) HUMIDITY (RH) : 95% Operating Humidity 5 % to 95% relative humidity 100M OHM insulation resistance 4) I.P : 65 5 kv whwn properly mounted Dielectric Strength 1000 Vrms at sea level 5) EMI COMPACTABLE KEYBOARD 160 + or - 50 gf,260 + 0r - 50 gf Touch Type Capacitive Actuation force 6) ENVIRONMENTAL SPEC. STD: JSS55555 Class L3 Interface 7) EMI/EMC : MIL 461 F CONNECTOR DETAILS Dell keyboard Specification 8) ROHS COMPLIANT. Descriptions Part Number Descriptions **Specifications** 9) WEIGHT : 510gm. Connector on Keyboard EHF-110-01-F-D-RA Contact rating 50 mA @ 12 VDC 10) NO. OF KEYS: 80 KEYS. FRC Cable FFMD-10-T-04.00-01-N Life expentancy 100,000 cycles typical Mating Connector for cable 11) KEYBOARD BACKLIGHT: WITH BACKLIGHT EHF-110-01-L-D-SM-LC Insulation resistance 100M OHM & ON/OFF CONTROL .DEFAULT STATE OFF. 160 + or - 50 gf,260 + 0r - 50 gf 12) OS SUPPORT: WIN 10 ,RHEL 7.X Actuation force PART NO.- 476937850238 Operating temperature -20 °C to 60 °C _ _ 15.07.2019 AS PER ECR 02 5545017 M_AD MBD ORIGINAL 04.07.2018 DO ENGR APVD NEXT ASSY. NUMBER ITEM QTY REL. DATE VER ECO NO. CHANGE MATERIAL LAB/OFFICE ALL DIMENSIONS ARE IN MM PS613-BK-SGL UNLESS OTHERWISE SPECIFIED ALUMINUM - 6061 CD4 DRAWN CHECKED ENGINEER KEYBOARD QWERTY USB W/ TOUCHPAD POOJA N JAGADESH S MANOHAR NTS DT11.07.2019 DT11.07.2019 DT11.07.2019 DOC 4769 378 5 05 02 NO. OF SH. SIZE A2 <u>___</u> भारत इलेक्ट्रांनिक्स BHARAT ELECTRONICS 2 3