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FEATURES:

- Display Size : 15.6"
- Resolution* : 1920 x 1080 @ 60Hz
- Aspect Ratio : 16:9
- LED Backlighting with Brightness control
- TOUCH SCREEN : PCAP-MULTI-TOUCH with Glass protection
- On-Screen Display (OSD) Panel

POWER REQUIREMENTS

- Power Input* : 230VAC \pm 10%, 50-60Hz \pm 3Hz
- Power Consumption : 50W (max)

MECHANICAL SPECIFICATIONS:

- Weight : 7 Kg(max.)
- Dimension: refer sheet 2 for detailed dimension
- Paint & Finish: Paint RFU Fire Retardant, Colour Black (PS 613-BK-SGL), finish semi-gloss.
- Mounting : Panel Mount

ENVIRONMENTAL SPECIFICATIONS:

- Operating Temperature : -10°C TO +55°C
- Storage Temperature : UPTO +70°C
- Humidity : 95% @ 40°C, non condensing
- Shock : 20g, 11msec, Half Sine wave, 3 axis
- Vibration : 5-33 Hz, \pm 0.125 mm Constant displacement,1 hour on each axis
- Drip Proof : Duration 15 min
- Mould Growth : No material that would promote fungus growth shall be used.
- Salt Fog : Surface finishes and coatings shall protect in salt fog environment.
- Tropical Exposure Test : Test No :27 Test Condition A, 07 cycles as per JSS 55555 Std.

ENVIRONMENTAL STRESS SCREENING (ESS):

Thermal Cycling Stress Screening (TCSS)

Sl. No.	Level	Screen	Test Details	Remarks
1.	PCB Level	B	-20°C to +55°C, 10 Cycles (Ramp 10°C/min) or 20 Cycles (Ramp 5°C/min), Dwell: 10 min	Power OFF condition

Random Vibration Stress Screening (RVSS)

Sl. No.	Level	Screen	Test Details	Remarks
1.	PCB Level	B	20-80Hz, +3db Octave 80-350Hz, PSD 0.02g ² /Hz 350-2000Hz, -3db Octave 10min per axis, G rms=4.284	1. On all three axes. 2. Power ON condition

* Key Characteristics

6. I/O CONNECTORS *

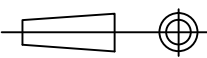
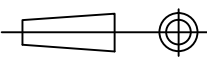

- POWER INPUT : D38999/20WB5PN -01 No
- HDMI INPUT : HDMI/TV 7X Connector - 01 No
- DVI-D input: Standard Connector- 01 No
- TOUCH SCREEN PORT: (USB-FTV) USB 2.0 CONNECTOR.- 01No.
- Earthing: Earthing Stud with nut and washer for safety

6. EMI / EMC

- MIL STD 461 E & F , Below Deck for Naval Applications.

Table-1

S. NO.	BEL P/N	DESCRIPTION
1	4461 415 601 19	15.6" MTID - RUGGED

00		20.12.22	ORIGINAL			SHIVA	RAKESH							
ISSUE	CP.NO.	DATE	CHANGE			ENGINEER	APPRD	NUMBER		ITEM	QTY.			
MATERIAL			FINISH			PROJECTION		NEXT ASSEMBLY						
_____			_____					TOLERANCE						
								GENL. ±0.5 INT.AXES ±0.2						
DRAWN/DATE		CHKD/DATE		ENGR/DATE				DIMNS		SCALE				
SHIVA		NITIN		SHIVA				INm.m.						
20.12.2022		20.12.2022		20.12.2022										
 भारत इलेक्ट्रॉनिक्स BHARAT ELECTRONICS					DOC CODE			TITLE						
					PP			15.6" MTID-RUGGED						
GHAZIABAD					NUMBER				SHEETS		ISSUE	SIZE		
					4461 415 6				000 02		00	B		

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