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| | 3 | | 2 | | | | 1 | | | | | | |
|--|------------------|-----------|-------------------------------------|--|-------------|------------|--------------------------|------|--------------------|------------------|---------------------|----------------|---|
| | | REVISIONS | | | | | | 1 | |] | | | |
| REV. | ECN# | ZONE | | [| DESCRIPTION | CRIPTION | | | CHANGED BY/DATE | | APPROVED BY/DATE | | |
| F01 | ECO-19- 00409 | | INITIAL RELEASE | | | | WT NG 01AUG19 WT NG 01AU | | |)1AUG19 | | | |
| | | | | | | | | | | | | | D |
| PARA | METER | | | | | SPECIFI | | N | | | | | |
|) | | | | | | LPS69863N | | | | | | | |
| | | | | | | | L | | | | | | |
| ncy Bands, N | ИНz | | 698-806 | 824-894 | 880-960 | 1690-1880 | | 990 | 1910-2180 | 2300-2 | 500 2500 | 0-2700 | |
| ain, dBi (Ma | | | 3.9 | 3.9 | 4.0 | 6.1 | 6.6 | | 6.6 | 4.8 | | 4.1 | |
| Max | , | | < 3:1 | | | | | | | | | | |
| al Impedanc | e,Ω | | 50 | | | | | | | | | | C |
| ation | | | Linear - Vertical | | | | | | | | | | |
| h Beam Wid | lth, ° | | 360, Omnidirectional | | | | | | | | | | |
| wer (Ambie | nt 25°C/77 | °F), Watt | 10 | | | | | | | | | | |
| ength, cm/Connector | | | 610/ SMA-male | | | | | | | | | | |
| a Dimension (Ht x Dia), mm | | | 29 x Ø100 | | | | | | | | | | |
| (Approximation), g | | | 119 | | | | | | | | | | |
| a Color | | | Black | | | | | | | | | | |
| e – | | | PC, UV Rated | | | | | | | | | | |
| ing Tempera | | | -30~+70 | | | | | | | | | | |
| e Temperature, °C ompliance | | | -40~+85 Yes | | | | | | | | | | |
| ntenna is gi ntenna wori | - | | cification | only wher | n mounte | d on a met | al she | et o | f minimun | n size | of 1' X | 1'. | В |
| MATERIAL: FINISH: APPROVALS DATE DRAWN BY WT NG 25JUN13 ELEC. ENG. CC SU 25JUN13 | | | | | | | | | | | A | | |
| MECH. ENG. | WT NG | 25JUN18 | ANGLE: | ARE IN MILLIMET ±30 ECIMAL: ±0.5 ECIMAL: ±0.25 ECIMAL: ±0.13 | SIZE | LPS69 | | | . NO. | \/ A N | | ^{REV} | - |
| MFG./OPS. | HE KHOR | 25JUN18 | 0 PLACE D 1 PLACE D 2 PLACE D | ECIMAL: ±0.25 ECIMAL: ±0.13 | | | | | | VI <i>I</i> ~\I\ | | | - |

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|----------------------|----------------------|------------|--------------------|------------------------|---|-------------------|---------------|------------|--------------------|---------------------|---|
| | | | | | | REVISIONS | | | | | 7 |
| | REV. | ECN# | ZONE | | | DESCRIPTION | 1 | | CHANGED BY/DATE | APPROVED BY/DATE |] |
| F01 ECO-19- 00409 | | | | I | NITIAL RELEA | WT NG 01AUG19 | WT NG 01AUG19 | | | | |
| | | | | | | | | | | | D |
| | PAR | AMETER | | | | | SPECIFICA | TION | | | |
| Part | | | | | | | LPS69863NT- | | | | |
| Ports | | | | | | | 1 | | | | |
| | uency Bands, | MHz | | 698-806 | 824-894 | 880-960 | | 350-1990 | 910-2180 2300-2 | 500 2500-2700 | |
| | c Gain, dBi (Ma | | | 3.9 | 3.9 | 4.0 | 6.1 | 6.6 | 6.6 4.8 | | |
| | (R, Max | | | 5.5 | 5.5 | 4.0 | 1 | | 0.0 4.0 | | |
| | ninal Impedan | co. () | | < 3:1 | | | | | | | |
| | rization | ce, sz | | 50 | | | | | | | |
| | nuth Beam Wi | dth ° | | Linear - Vertical | | | | | | | |
| | | | -0-> | 360, Omnidirectional | | | | | | | |
| | Power (Ambie | | | 10 | | | | | | | |
| | e Length, cm/ | | | 610/ SMA-male | | | | | | | |
| | enna Dimensio | - | a), mm | 29 x Ø100 | | | | | | | |
| | ght (Approxim | nation), g | | 119 | | | | | | | |
| Ante | enna Color | | | Black | | | | | | | |
| Rado | ome | | | PC, UV Rated | | | | | | | |
| Oper | rating Temper | ature, °C | | -30 ~ +70 | | | | | | | |
| Stora | age Temperat | ure, °C | | -40 ~ +85 | | | | | | | |
| RoHS | S Compliance | | | Yes | | | | | | | |
| | antenna is g | - | | cification | only whe | n mounte | d on a metal | ' sheet of | minimum size | of 1' X 1'. | B |
| | MATERIAL: FINISH: | | | THIRD ANGLE PROJECTION | | | | | | | |
| | 4.5 | | DATE | | SCALE DRAW | | 3TITLE: | | | | |
| | DRAWN BY | PROVALS | 25JUN18 | AND TO ACCO | ET DIMENSIONIN DLERANCING IN RDANCE WITH E Y14.5M-2009 | LPS69863NT-61SMAM | | | | | |
| | ELEC. ENG. | CC SU | 25JUN18 | | ANCES UNLESS | | | | | | |
| | | | | DIMENSIONS | ARE IN MILLIME | | | _ | | | - |
| -,- | MECH. ENG. | HE KHOR | 25JUN18 25JUN18 | | ± DECIMAL: ±0 DECIMAL: ±0.1 | SIZE | PS698 | DWG. | -61SMAN | | |
| | IVIFG./UPS. | I'L' KHUK | 200018 | ' 1 PLACE D | ECIMAL: ±0. | 25 7 9 | | | | | 1 |

| | | | | MATERIAL: | | | THIRD ANGLE PROJECTION | | |
|----|----------------|------------------------------------|--------------------------|---------------|---------|-------------|--|------------|-----------|
| | | | | FINISH: | | | | | |
| ٨ | | | | | | | DO NOT SCALE DRAWING | TITLE: | |
| A | | | | API | PROVALS | DATE | INTERPRET DIMENSIONING AND TOLERANCING IN | | |
| | | | | DRAWN BY | WT NG | 25JUN18 | ACCORDANCE WITH ASME Y14.5M-2009 | | LPS698 |
| | | | | ELEC. ENG. | CC SU | 25JUN18 | TOLERANCES UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS | 5 | |
| | | | | MECH. ENG. | WT NG | 25JUN18 | | SIZE | E |
| | | THIS DRAWING IS UNPUBLISHED. | RELEASED FOR PUBLICATION | | | 05 11 11 10 | ANGLE: ±30' 0 PLACE DECIMAL: ±0.5 | | S69863 |
| | | © Copyright 2022 TE Connectivity L | td. ALL RIGHTS RESERVE | ED. MFG./OPS. | HE KHOR | 25JUN18 | ANGLE: ±30' 0 PLACE DECIMAL: ±0.5 1 PLACE DECIMAL: ±0.25 2 PLACE DECIMAL: ±0.13 | | 003000 |
| | | | | | | | SURFACE ROUGHNESS | SCALE: 2:3 | PREVIOUS# |
| FP | PEN001.015 D 6 | 5 | 4 | | 3 | | | 2 | |

SHEET 1 OF 1